OhioEPA

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

04/11/01

CERTIFIED MAIL

RE: Proposed Title V Chapter 3745-77 permit
02-04-00-0133
Premix, Inc.

Attn: Genevieve Damico AR-18J
United States Enviromental Protection Agency
Region V
77 West Jackson Blvd.
Chicago, IL 60604-3590

Dear Ms. Damico:

The proposed issuance of the Title V permit for Premix, Inc., has been created in Ohio EPA's State Air Resources System (STARS) on 04/11/01, for review by USEPA. This proposed action is identified in STARS as 3-Title V Proposed Permit T+C covering the facility specific terms and conditions, and Title V Proposed Permit covering the general terms and conditions. This proposed permit will be processed for issuance as a final action after forty-five (45) days from USEPA's receipt of this certified letter if USEPA does not object to the proposed permit. Please contact Mike Ahern, DAPC Permit Management Unit supervisor at (614) 644-3631 by the end of the forty-five (45) day review period if you wish to object to the proposed permit.

Very truly yours,

Thomas G. Rigo

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

cc: Northeast District Office
Becky Castle, DAPC PMU

Ohio EPA

State of Ohio Environmental Protection Agency

PROPOSED TITLE V PERMIT

Date: 04/11/01
Effective Date: **To be entered upon final issuance**
Expiration Date: **To be entered upon final issuance**

This document constitutes issuance to:

Premix, Inc.
Route 20 & Harmon Road
North Kingsville, OH 44068-0281

of a Title V permit for Facility ID: 02-04-00-0133

Emissions Unit ID (Company ID)/
Emissions Unit Activity Description:
P002 (DRYING OVEN 2)
Gas fired convection oven

P010 (Disperser C-0)
Low profile additive disperser

P011 (Disperser C-1)
Low profile additive disperser

P012 (Disperser C-2)
Resin paste disperser

P013 (Disperser C-3)
Resin paste disperser

P014 (Disperser C-4)
Resin paste disperser

P015 (Disperser C-5)
Resin paste disperser

P016 (Disperser C-6)
Resin paste disperser

P017 (Disperser C-7)
Resin paste disperser

P018 (Disperser C-8)
Resin paste disperser

P021 (SIGMA MIXER 1)
BMC Sigma mixer 1

P022 (SIGMA MIXER 2)
BMC Sigma mixer 2

P023 (SIGMA MIXER 3)
BMC Sigma mixer 3

P024 (SIGMA MIXER 4)
BMC Sigma mixer 4

P025 (LITTLEFORD MIXER 5)
LITTLEFORD MIXER 5

P026 (LITTLEFORD MIXER 6)
LITTLEFORD MIXER 6

P027 (CONTINUOUS MIXER)
CONTINUOUS MIXER 1 AND 2

P028 (PILOT BMC Dispersers)
PILOT PLANT DISPERSERS AND MIXERS

P029 (TMC MACHINE)
TMC MACHINE

P030 (CHAIN MACHINE)
CHAIN SMC MACHINE

P031 (PREMI SMC MACHINE)
PREMI SMC MACHINE

P032 (PILOT SMC MACHINE)
PILOT PLANT SMC MACHINE

P033 (EXTRUDER 4)
BMC/TMC Extruder

P034 (EXTRUDER 5)
BMC/TMC Extruder

P035 (EXTRUDER 1)
BMC/TMC Extruder

P036 (EXTRUDER 2)
BMC/TMC Extruder

P037 (EXTRUDER 3)
BMC/TMC Extruder

P038 (EXTRUDER 3.5)
BMC/TMC Extruder

P039 (Pipe and Pump Cleaning Operations)
Pipe and pump metal cleaning

P040 (TMC Dough Roller)
TMC Dough Roller

P041 (Compression Mold Machine A-6)
Compression molding

P042 (Compression Mold Machine B-6)
Compression molding

P043 (Compression Mold Machine D-4)
Compression molding

P044 (Compression Mold Machine D-6)

Compression molding

P045 (Compression Mold Machine E-1)
Compression molding

P046 (Compression Mold Machine E-2)
Compression molding

P047 (Compression Mold Machine E-3)
Compression molding

P048 (Compression Mold Machine E-4)
Compression molding

P049 (Compression Mold Machine E-5)
Compression molding

P050 (Compression Mold Machine E-6)
Compression molding

P051 (Compression Mold Machine E-7)
Compression molding

P052 (Compression Mold Machine G-1)
Compression molding

P053 (Compression Mold Machine G-2)
Compression molding

P054 (Compression Mold Machine G-3)
Compression molding

P055 (Compression Mold Machine G-4)
Compression molding

P056 (Compression Mold Machine G-5)
Compression molding

P057 (Compression Mold Machine G-6)
Compression molding

P058 (Compression Mold Machine G-7)
Compression molding

P059 (Compression Mold Machine G-8)
Compression molding

P061 (Injection Mold Machine H-1)
Injection molding

P062 (Injection Mold Machine H-2)
Injection molding

P063 (Injection Mold Machine H-3)
Injection molding

P064 (Injection Mold Machine H-4)
Injection molding

P065 (Injection Mold Machine H-5)
Injection molding

P066 (Injection Mold Machine H-6)
Injection molding

P067 (Injection Mold Machine H-7)
Injection molding

P071 (Compression Mold Machine G-9)
Compression molding

P072 (PIGMENT AREA SOLVENT CLEANING)
Pigment Area and miscellaneous solvent cleaning

P073 (Compression Mold Machine AA-6)
Compression molding

P074 (Compression Mold Machine AA-7)
Compression molding

P075 (Compression Mold Machine AA-8)
Compression molding

P076 (Compression Mold Machine A-7)
Compression molding

P077 (Compression Mold Machine B-7)
Compression molding

P078 (Compression Mold Machine B-8)
Compression molding

P079 (Compression Mold Machine C-8)
Compression molding

P080 (Compression Mold Machine C-9)
Compression molding

P081 (Compression Mold Machine C-10)
Compression molding

P082 (Compression Mold Machine D-2)
Compression molding

P083 (Compression Mold Machine D-3)
Compression molding

P084 (Compression Mold Machine O-1)
Compression molding

P085 (Compression Mold Machine O-2)
Compression molding

P086 (Compression Mold Machine O-3)
Compression molding

P087 (Compression Mold Machine O-4)
Compression molding

P088 (Compression Mold Machine O-5)
Compression molding

P089 (Compression Mold Machine O-6)

Compression molding

P090 (Compression Mold Machine O-7)
Compression molding

P091 (Compression Mold Machine O-10)
Compression molding

P092 (Compression Mold Machine O-11)
Compression molding

P093 (Compression Mold Machine O-12)
Compression molding

P094 (Compression Mold Machine O-13)
Compression molding

P095 (Compression Mold Machine O-14)
Compression molding

P096 (Compression Mold Machine O-15)
Compression molding

P097 (Compression Mold Machine O-16)
Compression molding

P098 (Injection Mold Machine H-10)
Injection molding

R001 (PAINT SPRAY BOOTH)
Paint Booth 2

R002 (PAINT SPRAY BOOTH)
Paint Booth 1

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

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

OHIO ENVIRONMENTAL PROTECTION AGENCY

_____

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:

B001 - 1.35 million Btu/hr gas-fired boiler
N001 - Bake-off oven for paint racks
P004 - Automatic parts washer for painted parts
P006 - Parts grinder for finishing area
P009 - Fume hood in quality assurance laboratory
P070 - Mix tank washer
T001 - 10,000-gallon storage tank for polyester resin/styrene; Tank 1
T002 - 10,000-gallon storage tank for polyester resin/styrene; Tank 2
T003 - 10,000-gallon storage tank for polyester resin/styrene; Tank 3
T004 - 6,000-gallon storage tank for polyester resin/polystyrene; Tank 4
T005 - 6,000-gallon storage tank for vinylester/styrene; Tank 5
T006 - 6,000-gallon storage tank for polyester resin/styrene; Tank 6
T007 - 6,000-gallon storage tank for polymer solution/styrene; Tank 7
T008 - 6,000-gallon storage tank for polyester resin/styrene; Tank 11
T009 - 6,000-gallon storage tank for styrene/isocyanurate vinylester/polyether polyol resin; Tank 12
T010 - 6,000-gallon storage tank for vinylester resin/styrene; Tank 13
T011 - 6,000-gallon storage tank for polyester resin/styrene; Tank 14
T012 - 10,000-gallon storage tank for polyester resin/styrene; Tank 15
Z001 - 10,000-gallon storage tank for vinyl toluene resin; Tank 16
Z002 - 10,000-gallon storage tank for styrene; Tank 17
Z009 - (BMC) Bagging station 1
Z010 - (BMC) Bagging station 2
Z011 - (BMC) Bagging station 3
Z054 - Pilot plant extruder

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: DRYING OVEN 2 (P002)

Activity Description: Gas fired convection oven

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Drying oven for coated plastic parts	OAC rule 3745-21-07(G)(1)	See section A.I.2.a. below.
	OAC rule 3745-31-05(A)(3) PTI 02-1323	(No limits stated in PTI 02-1323.)

2. Additional Terms and Conditions

2.a This emissions unit is exempt from the organic compound (OC) emission limitations specified in OAC rule 3745-21-07(G)(1) because the coatings are not baked, heat-cured, or heat-polymerized.

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Disperser C-0 (P010)

Activity Description: Low profile additive disperser

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Thermoplastic additive disperser C-0	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 15 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 18 lbs/day and 3.29 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 51,400 lbs/day.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production 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 production materials 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 the production materials and the cleanup materials exceeded 18 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the styrene throughput exceeded 51,400 pounds per day, and the actual styrene throughput for each such day.

f. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

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 April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 8 lbs OC/hr, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.c Emission Limitation: 15 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

V. Testing Requirements (continued)

1.d Emission Limitation: 18 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i.

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.c.

1.e Emission Limitation: 3.29 TPY OC, including emissions from cleanup materials

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.d. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Disperser C-1 (P011)

Activity Description: Low profile additive disperser

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Thermoplastic additive disperser C-1	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 23 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 26 lbs/day and 4.75 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 78,800 lbs/day.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production 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 production materials exceeded 23 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 26 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the styrene throughput exceeded 78,800 pounds per day, and the actual styrene throughput for each such day.

f. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

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 April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 8 lbs OC/hr, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.c Emission Limitation: 23 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

V. Testing Requirements (continued)

1.d Emission Limitation: 26 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i.

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.c.

1.e Emission Limitation: 4.75 TPY OC, including emissions from cleanup materials

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.d. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Disperser C-2 (P012)

Activity Description: Resin paste disperser

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Resin paste disperser C-2 with a baghouse to control particulate emissions	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 7.45 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.59 lb/hr and 2.56 tons/year. Organic compound (OC) emissions shall not exceed 3.02 lbs/hr and 20 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 25 lbs/day and 4.56 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit(s) specified in this rule is (are) less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2. Additional Terms and Conditions (continued)

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 68,400 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 3.02 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 production materials exceeded 20 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 25 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the styrene throughput exceeded 68,400 pounds per day, and the actual styrene throughput for each such day.

f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.

g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

1.b Emission Limitation: 0.59 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 4,879.32 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

V. Testing Requirements (continued)

1.c Emission Limitation: 2.56 TPY PE from production operations.

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

1.d Emission Limitation: 21.34 TPY PE from production operations.

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 3.02 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.g Emission Limitation: 20 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

V. Testing Requirements (continued)

1.h Emission Limitation: 25 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

1.i Emission Limitation: 4.56 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Disperser C-3 (P013)

Activity Description: Resin paste disperser

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Resin paste disperser C-3 with a baghouse to control particulate emissions	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 7.45 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.59 lb/hr and 2.56 tons/year. Organic compound (OC) emissions shall not exceed 2.74 lbs/hr and 21 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 26 lbs/day and 4.75 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit(s) specified is (are) this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2. Additional Terms and Conditions (continued)

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 72,000 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 2.74 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 production materials exceeded 21 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 26 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the styrene throughput exceeded 72,000 pounds per day, and the actual styrene throughput for each such day.

f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.

g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

1.b Emission Limitation: 0.59 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 4,879.32 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

V. Testing Requirements (continued)

1.c Emission Limitation: 2.56 TPY PE from production operations.

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

1.d Emission Limitation: 21.34 TPY PE from production operations.

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 2.74 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.g Emission Limitation: 21 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

V. Testing Requirements (continued)

1.h Emission Limitation: 26 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.f.

1.i Emission Limitation: 4.75 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.g. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Disperser C-4 (P014)

Activity Description: Resin paste disperser

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Resin paste disperser C-4 with a baghouse to control particulate emissions	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 7.45 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.59 lb/hr and 2.56 tons/year. Organic compound (OC) emissions shall not exceed 2.44 lbs/hr and 16 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 21 lbs/day and 3.83 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit(s) specified in this rule is (are) less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2. Additional Terms and Conditions (continued)

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 54,800 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 2.44 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 production materials exceeded 16 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 21 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the styrene throughput exceeded 54,800 pounds per day, and the actual styrene throughput for each such day.

f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.

g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

1.b Emission Limitation: 0.59 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 4,879.32 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

V. Testing Requirements (continued)

1.c Emission Limitation: 2.56 TPY PE from production operations.

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

1.d Emission Limitation: 21.34 TPY PE from production operations.

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 2.44 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.g Emission Limitation: 16 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

V. Testing Requirements (continued)

1.h Emission Limitation: 21 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.f.

1.i Emission Limitation: 3.83 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.g. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Disperser C-5 (P015)

Activity Description: Resin paste disperser

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Resin paste disperser C-5 with a baghouse to control particulate emissions	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 7.45 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.59 lb/hr and 2.56 tons/year. Organic compound (OC) emissions shall not exceed 2.20 lbs/hr and 9 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 14 lbs/day and 2.55 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit(s) specified in this rule is (are) less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2. Additional Terms and Conditions (continued)

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 30,800 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 2.20 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 production materials exceeded 9 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 14 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the styrene throughput exceeded 30,800 pounds per day, and the actual styrene throughput for each such day.

f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.

g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

1.b Emission Limitation: 0.59 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 4,879.32 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

V. Testing Requirements (continued)

1.c Emission Limitation: 2.56 TPY PE from production operations.

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

1.d Emission Limitation: 21.34 TPY PE from production operations.

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 2.20 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.g Emission Limitation: 9 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

V. Testing Requirements (continued)

1.h Emission Limitation: 14 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.f.

1.i Emission Limitation: 2.55 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.g. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Disperser C-6 (P016)

Activity Description: Resin paste disperser

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Resin paste disperser C-6 with a baghouse to control particulate emissions	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 0.551 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.01 lb/hr and 0.03 tons/year.
		Organic compound (OC) emissions shall not exceed 1.62 lbs/hr and 10 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 13 lbs/day and 2.37 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit(s) specified in this rule is (are) less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2. Additional Terms and Conditions (continued)

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 34,200 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 1.62 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 production materials exceeded 10 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 13 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the styrene throughput exceeded 34,200 pounds per day, and the actual styrene throughput for each such day.

f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.

g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

1.b Emission Limitation: 0.01 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 55.5 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

V. Testing Requirements (continued)

1.c Emission Limitation: 0.03 TPY PE from production operations.

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

1.d Emission Limitation: 21.34 TPY PE from production operations.

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 1.62 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.g Emission Limitation: 10 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

V. Testing Requirements (continued)

1.h Emission Limitation: 13 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.f.

1.i Emission Limitation: 2.37 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.g. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Disperser C-7 (P017)

Activity Description: Resin paste disperser

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Resin paste disperser C-7 with a baghouse to control particulate emissions	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 0.551 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.01 lb/hr and 0.03 tons/year.
		Organic compound (OC) emissions shall not exceed 1.56 lbs/hr and 10 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 13 lbs/day and 2.37 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit(s) specified in this rule is (are) less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2. Additional Terms and Conditions (continued)

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 34,200 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 1.56 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 production materials exceeded 10 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 13 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the styrene throughput exceeded 34,200 pounds per day, and the actual styrene throughput for each such day.

f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.

g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

1.b Emission Limitation: 0.01 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 55.5 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

V. Testing Requirements (continued)

1.c Emission Limitation: 0.03 TPY PE from production operations.

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

1.d Emission Limitation: 21.34 TPY PE from production operations.

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 1.56 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.g Emission Limitation: 10 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

V. Testing Requirements (continued)

1.h Emission Limitation: 13 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.f.

1.i Emission Limitation: 2.37 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.g. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Disperser C-8 (P018)

Activity Description: Resin paste disperser

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Resin paste disperser C-8 with a baghouse to control particulate emissions	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 0.551 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.01 lb/hr and 0.03 tons/year.
		Organic compound (OC) emissions shall not exceed 1.70 lbs/hr and 10 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 13 lbs/day and 2.37 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit(s) specified in this rule is (are) less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2. Additional Terms and Conditions (continued)

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 34,200 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 1.70 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 production materials exceeded 10 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 13 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the styrene throughput exceeded 34,200 pounds per day, and the actual styrene throughput for each such day.

f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.

g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

1.b Emission Limitation: 0.01 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 55.5 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

V. Testing Requirements (continued)

1.c Emission Limitation: 0.03 TPY PE from production operations.

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

1.d Emission Limitation: 21.34 TPY PE from production operations.

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 1.70 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.g Emission Limitation: 10 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

V. Testing Requirements (continued)

1.h Emission Limitation: 13 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.f.

1.i Emission Limitation: 2.37 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.g. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: SIGMA MIXER 1 (P021)

Activity Description: BMC Sigma mixer 1

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Bulk mold compound mixer 1 with a baghouse to control particulate emissions	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 2.21 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.21 lb/hr and 0.91 tons/year. Organic compound (OC) emissions shall not exceed 50 lbs/day and 9.13 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit specified in this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A styrene throughput operating restriction is not required for this emissions unit.)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production 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 production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 50 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1., and the actual pressure drops and periods of time for each such day.

f. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

1.b Emission Limitation: 0.21 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 1,734 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

V. Testing Requirements (continued)

1.c Emission Limitation: 0.91 TPY PE.

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

1.d Emission Limitation: 21.34 TPY PE from production operations.

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 8 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.g Emission Limitation: 40 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the open BMC mixers, which is 0.0125 pounds per pound of available styrene, as determined from emissions testing for P022, conducted on September 18, 1997.

V. Testing Requirements (continued)

1.h Emission Limitation: 50 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

1.i Emission Limitation: 9.13 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: SIGMA MIXER 2 (P022)

Activity Description: BMC Sigma mixer 2

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Bulk mold compound mixer 2 with a baghouse to control particulate emissions	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 2.29 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.10 lb/hr and 0.44 tons/year. Organic compound (OC) emissions shall not exceed 50 lbs/day and 9.13 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit specified in this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A styrene throughput operating restriction is not required for this emissions unit.)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production 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 production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 50 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1., and the actual pressure drops and periods of time for each such day.

f. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

1.b Emission Limitation: 0.10 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 838.1 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

V. Testing Requirements (continued)

1.c Emission Limitation: 0.44 TPY PE.

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

1.d Emission Limitation: 21.34 TPY PE from production operations.

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 8 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.g Emission Limitation: 40 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the open BMC mixers, which is 0.0125 pounds per pound of available styrene, as determined from emissions testing for P022, conducted on September 18, 1997.

V. Testing Requirements (continued)

1.h Emission Limitation: 50 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

1.i Emission Limitation: 9.13 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: SIGMA MIXER 3 (P023)

Activity Description: BMC Sigma mixer 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Bulk mold compound mixer 3 with a baghouse to control particulate emissions	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 2.29 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.10 lb/hr and 0.44 tons/year.
		Organic compound (OC) emissions shall not exceed 50 lbs/day and 9.13 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit specified in this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A styrene throughput operating restriction is not required for this emissions unit.)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production 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 production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 50 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1., and the actual pressure drops and periods of time for each such day.

f. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

1.b Emission Limitation: 0.10 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 838.1 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

V. Testing Requirements (continued)

1.c Emission Limitation: 0.44 TPY PE.

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

1.d Emission Limitation: 21.34 TPY PE from production operations.

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 8 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.g Emission Limitation: 40 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the open BMC mixers, which is 0.0125 pounds per pound of available styrene, as determined from emissions testing for P022, conducted on September 18, 1997.

V. Testing Requirements (continued)

1.h Emission Limitation: 50 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

1.i Emission Limitation: 9.13 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: SIGMA MIXER 4 (P024)

Activity Description: BMC Sigma mixer 4

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Bulk mold compound mixer 4 with a baghouse to control particulate emissions	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 2.29 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.10 lb/hr and 0.44 tons/year. Organic compound (OC) emissions shall not exceed 50 lbs/day and 9.13 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit specified in this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A styrene throughput operating restriction is not required for this emissions unit.)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is employed.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production 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 production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 50 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1., and the actual pressure drops and periods of time for each such day.

f. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

1.b Emission Limitation: 0.10 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 838.1 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

V. Testing Requirements (continued)

1.c Emission Limitation: 0.44 TPY PE.

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

1.d Emission Limitation: 21.34 TPY PE from production operations.

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 8 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.g Emission Limitation: 40 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the open BMC mixers, which is 0.0125 pounds per pound of available styrene, as determined from emissions testing for P022, conducted on September 18, 1997.

V. Testing Requirements (continued)

1.h Emission Limitation: 50 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

1.i Emission Limitation: 9.13 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: LITTLEFORD MIXER 5 (P025)

Activity Description: LITTLEFORD MIXER 5

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Bulk mold compound (BMC) mixer 5 with a baghouse to control particulate emissions	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 8.46 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.71 lb/hr and 3.10 ton/year.
		Organic compound (OC) emissions shall not exceed 7 lbs/day and 1.27 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit(s) based on this applicable rule is (are) less stringent than the limit specified in OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 7,000 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production 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 production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 7 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the styrene throughput exceeded 7,000 pounds per day, and the actual styrene throughput for each such day.

f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.

g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.b Emission Limitation: 0.71 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 5900 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

1.c Emission Limitation: 3.10 TPY PE

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

1.d Emission Limitation: 21.34 TPY PE from production operations

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC from all operations

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 8 lbs OC/hr, exluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.

V. Testing Requirements (continued)

1.g Emission Limitation: 40 lbs OC/day, excluding emissions from the cleanup materials.

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

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from closed BMC mixers, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

1.h Emission Limitation: 7 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

1.i Emission Limitation: 1.27 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. of this permit for the calendar year, divided by 2000 pounds/ton.

V. Testing Requirements (continued)

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: LITTLEFORD MIXER 6 (P026)

Activity Description: LITTLEFORD MIXER 6

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Bulk mold compound (BMC) mixer 6 with a baghouse to control particulate emissions	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 8.46 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.71 lb/hr and 3.10 ton/year.
		Organic compound (OC) emissions shall not exceed 7 lbs/day and 1.27 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit(s) based on this applicable rule is (are) less stringent than the limit specified in OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 7,000 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production 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 production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 7 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the styrene throughput exceeded 7,000 pounds per day, and the actual styrene throughput for each such day.

f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.

g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.b Emission Limitation: 0.71 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 5900 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

1.c Emission Limitation: 3.10 TPY PE

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

1.d Emission Limitation: 21.34 TPY PE from production operations

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC from all operations

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 8 lbs OC/hr, exluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.

V. Testing Requirements (continued)

1.g Emission Limitation: 40 lbs OC/day, excluding emissions from the cleanup materials.

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

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from closed BMC mixers, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

1.h Emission Limitation: 7 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

1.i Emission Limitation: 1.27 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. of this permit for the calendar year, divided by 2000 pounds/ton.

V. Testing Requirements (continued)

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: CONTINUOUS MIXER (P027)

Activity Description: CONTINUOUS MIXER 1 AND 2

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Bulk mold compound (BMC) mixers 1 & 2 with a baghouse to control particulate emissions	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 3.07 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.48 lb/hr and 2.11 tons/year.
		Organic compound (OC) emissions shall not exceed 1.06 lbs/hr, 12.7 lbs/day and 2.33 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit(s) based on this applicable rule is (are) less stringent than the limit specified in OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 12,700 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emission unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production 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 production materials exceeded 40 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 the production materials and the cleanup materials exceeded 1.06 pounds per hour, and the actual average hourly OC emissions for each such day.

d. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 12.7 pounds per day, and the actual OC emissions for each such day.

e. An identification of each day during which any photochemically reactive cleanup materials were employed.

f. An identification of each day during which the styrene throughput exceeded 12,700 pounds per day, and the actual styrene throughput for each such day.

g. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.

h. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.b Emission Limitation: 0.48 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 1300 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

1.c Emission Limitation: 2.11 TPY PE

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

1.d Emission Limitation: 21.34 TPY PE from production operations

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC from all operations

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 8 lbs OC/hr, exluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.

V. Testing Requirements (continued)

1.g Emission Limitation: 40 lbs OC/day, excluding emissions from the cleanup materials.

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

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from closed BMC mixers, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

1.h Emission Limitation: 1.06 lbs OC/hr, inluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.m. 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.i Emission Limitation: 12.7 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

V. Testing Requirements (continued)

1.j Emission Limitation: 2.33 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.i. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: PILOT BMC Dispersers (P028)

Activity Description: PILOT PLANT DISPERSERS AND MIXERS

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Two pilot plant dispersers for bulk mold compound (BMC) with a baghouse to control particulate emissions	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 2.34 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.10 lb/hr and 0.46 ton/year. Organic compound (OC) emissions shall not exceed 4.7 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 5 lbs/day and 0.91 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limit(s) specified in this rule is (are) less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

2. Additional Terms and Conditions (continued)

2.e The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 16,000 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production 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 production materials exceeded 4.7 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 5 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each day during which the styrene throughput exceeded 16,000 pounds per day, and the actual styrene throughput for each such day.

f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.

g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).

1.b Emission Limitation: 0.10 lb PE/hr.

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

EPE(lbs/hr) = DSC x EF x (1 - CE).

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 866.45 pounds per hour, as noted in the application.

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

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

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

V. Testing Requirements (continued)

1.c Emission Limitation: 0.46 TPY PE from production operations.

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

1.d Emission Limitation: 21.34 TPY PE from production operations.

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

PE (TPY) = [Summation of EPEi(lbs/hr)] x 8760 hrs/yr x ton/2000 lbs.

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

1.e Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.f Emission Limitation: 8 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.g Emission Limitation: 4.7 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

V. Testing Requirements (continued)

1.h Emission Limitation: 5 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

1.i Emission Limitation: 0.91 TPY OC, including emissions from cleanup materials.

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: TMC MACHINE (P029)

Activity Description: TMC MACHINE

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Thick mold compound (TMC) machine	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 60 lbs/day and 10.95 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

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

2.b Only nonphotochemically reactive cleanup materials shall be employed.

2.c The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A daily styrene throughput restriction is not required for this emissions unit.)

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production 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 production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 60 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

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 April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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:

V. Testing Requirements (continued)

1.a Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 8 lbs OC/hr, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.c Emission Limitation: 40 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from compounding machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

V. Testing Requirements (continued)

1.d Emission Limitation: 60 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i.

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.c.

1.e Emission Limitation: 10.95 TPY OC, including emissions from cleanup materials

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.d. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: CHAIN MACHINE (P030)

Activity Description: CHAIN SMC MACHINE

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Chain sheet mold compound (SMC) machine	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 60 lbs/day and 10.95 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

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

2.b Only nonphotochemically reactive cleanup materials shall be employed.

2.c The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A daily styrene throughput restriction is not required for this emissions unit.)

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production 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 production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 60 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

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 April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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:

V. Testing Requirements (continued)

1.a Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 8 lbs OC/hr, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.c Emission Limitation: 40 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from compounding machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

V. Testing Requirements (continued)

1.d Emission Limitation: 60 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i.

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.c.

1.e Emission Limitation: 10.95 TPY OC, including emissions from cleanup materials

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.d. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: PREMI SMC MACHINE (P031)

Activity Description: PREMI SMC MACHINE

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Premi sheet mold compound (SMC) machine	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 60 lbs/day and 10.95 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

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

2.b Only nonphotochemically reactive cleanup materials shall be employed.

2.c The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A daily styrene throughput restriction is not required for this emissions unit.)

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production 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 production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 60 pounds per day, and the actual OC emissions for each such day.

d. An identification of each day during which any photochemically reactive cleanup materials were employed.

e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

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 April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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:

V. Testing Requirements (continued)

1.a Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 8 lbs OC/hr, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. 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.c Emission Limitation: 40 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from compounding machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

V. Testing Requirements (continued)

1.d Emission Limitation: 60 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i.

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.c.

1.e Emission Limitation: 10.95 TPY OC, including emissions from cleanup materials

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.d. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: PILOT SMC MACHINE (P032)

Activity Description: PILOT PLANT SMC MACHINE

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Pilot plant sheet mold compound (SMC) machine	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 8 lbs/hr, 40 lbs/day and 7.3 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A daily styrene throughput restriction is not required for this emissions unit.)

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials and the 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 production materials and the cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which any photochemically reactive cleanup materials were employed.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

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 April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

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

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.m. 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.c Emission Limitation: 40 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i.

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

iii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from compounding machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

V. Testing Requirements (continued)

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

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: EXTRUDER 4 (P033)

Activity Description: BMC/TMC Extruder

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 4	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 0.96 lb/hr, 11.5 lbs/day and 2.10 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 11,500 lbs/day.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials and the cleanup materials exceeded 0.96 pound 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 production materials and the cleanup materials exceeded 11.5 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which any photochemically reactive cleanup materials were employed.

d. An identification of each day during which the styrene throughput exceeded 11,500 pounds per day, and the actual styrene throughput for each such day.

e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

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 April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.96 lb OC/hr, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.m. 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.c Emission Limitation: 11.5 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i.

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

iii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from extrusion machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

V. Testing Requirements (continued)

1.d Emission Limitation: 2.11 TPY OC, including emissions from cleanup materials

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: EXTRUDER 5 (P034)

Activity Description: BMC/TMC Extruder

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 5	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 7.2 lbs/day and 1.31 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 7,200 lbs/day.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 OC emissions from the production materials and the cleanup materials exceeded 7.2 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which any photochemically reactive cleanup materials were employed.

d. An identification of each day during which the styrene throughput exceeded 7,200 pounds per day, and the actual styrene throughput for each such day.

e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

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 April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 7.2 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i.

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

iii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from extrusion machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

1.c Emission Limitation: 1.31 TPY OC, including emissions from cleanup materials

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

V. Testing Requirements (continued)

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: EXTRUDER 1 (P035)

Activity Description: BMC/TMC Extruder

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 1	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 0.82 lb/hr, 9.8 lbs/day and 1.79 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 9,800 lbs/day.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials and the cleanup materials exceeded 0.82 pound 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 production materials and the cleanup materials exceeded 9.8 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which any photochemically reactive cleanup materials were employed.

d. An identification of each day during which the styrene throughput exceeded 9 ,800 pounds per day, and the actual styrene throughput for each such day.

e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

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 April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.82 lb OC/hr, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.m. 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.c Emission Limitation: 9.8 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i.

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

iii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from extrusion machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

V. Testing Requirements (continued)

1.d Emission Limitation: 1.79 TPY OC, including emissions from cleanup materials

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: EXTRUDER 2 (P036)

Activity Description: BMC/TMC Extruder

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 2	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 0.76 lb/hr, 9 lbs/day and 1.64 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 9,000 lbs/day.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials and the cleanup materials exceeded 0.76 pound 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 production materials and the cleanup materials exceeded 9 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which any photochemically reactive cleanup materials were employed.

d. An identification of each day during which the styrene throughput exceeded 9,000 pounds per day, and the actual styrene throughput for each such day.

e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

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 April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.76 lb OC/hr, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.m. 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.c Emission Limitation: 9 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i.

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

iii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from extrusion machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

V. Testing Requirements (continued)

1.d Emission Limitation: 1.64 TPY OC, including emissions from cleanup materials

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: EXTRUDER 3 (P037)

Activity Description: BMC/TMC Extruder

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 3	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 6.5 lbs/day and 1.18 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 6,500 lbs/day.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 OC emissions from the production materials and the cleanup materials exceeded 6.5 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which any photochemically reactive cleanup materials were employed.

d. An identification of each day during which the styrene throughput exceeded 6,500 pounds per day, and the actual styrene throughput for each such day.

e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

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 April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 6.5 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i.

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

iii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from extrusion machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

1.c Emission Limitation: 1.18 TPY OC, including emissions from cleanup materials

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

V. Testing Requirements (continued)

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: EXTRUDER 3.5 (P038)

Activity Description: BMC/TMC Extruder

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 3.5	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 4.3 lbs/day and 0.79 ton/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 4,300 lbs/day.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 OC emissions from the production materials and the cleanup materials exceeded 4.3 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which any photochemically reactive cleanup materials were employed.

d. An identification of each day during which the styrene throughput exceeded 4,300 pounds per day, and the actual styrene throughput for each such day.

e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

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 April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 4.3 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i.

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

iii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from extrusion machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

1.c Emission Limitation: 0.79 TPY OC, including emissions from cleanup materials

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

V. Testing Requirements (continued)

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Pipe and Pump Cleaning Operations (P039)

Activity Description: Pipe and pump metal cleaning

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Pipe and metal pump cleaning	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.b. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 18.1 lbs/day and 3.30 tons/year from the cleanup operation.

2. Additional Terms and Conditions

2.a This emissions unit is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) because the use of photochemically reactive materials is prohibited.

2.b The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A materials throughput operating restriction is not required for this emissions unit.)

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall record each day whether or not each cleanup material employed in this emissions unit is a photochemically reactive material, as defined in OAC rule 3745-21-01(C).

2. The permittee shall collect and record the following information for each month for this emissions unit:

a. The company identification of each cleanup material employed.

b. The total weight of cleanup material added to the cleaning tanks, in pounds.

c. The total weight of waste cleanup material that is disposed, in pounds.

d. The total OC emissions, in pounds per month.

e. The actual number of days that the emissions unit was in operation.

f. The average daily organic compound emission rate, i.e. (d) divided by (e), in pounds per day (average).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following:

a. an identification of each day during which any photochemically reactive cleanup materials were employed; and

b. an identification of each month during which the average, daily organic compound emission rate exceeded 18.1 pounds per day, and the actual, average, daily emission rate in pounds per day for each such day.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 18.1 lbs OC/day

Applicable Compliance Method: Compliance shall be determined based upon the following:
i. Determination of monthly emissions from cleanup operations, EC(lbs/month) shall be made in accordance with the following method(s):

EC(lbs/month) = Summation of {[WC/OUT - (WC/IN x PC/100)]}i.

where:
EC(lbs/month) = the organic compound emissions from cleanup operations, in pounds per month.

WC/OUTi = weight of cleanup material "i" dispensed to cleaning tanks, in pounds per month.

WC/INi = weight of cleanup material "i" disposed to off-site waste handling facility, in pounds per month.

PC = average weight percentage of cleanup material solvent in waste cleanup material, as determined from methods required by section A.V.2.

ii. Determination of average, daily emissions from cleanup operations, EC(lbs/day), shall be determined in accordance with the following method(s):

EC(lbs/day) = [EC(lbs/month)]/DAYS.

where:
EC(lbs/day) = the average, daily organic compound emissions from cleanup operations, in pounds per day.

DAYS = the actual number of days the emissions unit was in operation during the month as determined from record keeping required by term A.III.2.e.

1.c Emission Limitation: 3.30 TPY OC

Applicable Compliance Method: To determine annual OC emissions compliance shall be based on the sum of the monthly OC emission rates from cleanup materials, EC(lbs/month), as specified in section A.V.1.b.i. of this permit for the calendar year, divided by 2000 pounds/ton.

V. Testing Requirements (continued)

2. A determination shall be made of volatile organic compound content (percent by weight), solids content, and density of composite sample(s) of the waste cleanup material generated at this emissions unit. The composite waste sample(s) from this emissions unit shall not be mixed with other wastes generated from other emissions unit(s). The composite sample(s) shall be taken from at least three waste solvent storage containers (i.e., 55 gallon drums), which store waste materials generated from at least two "solvent tank chageouts". The permittee shall determine the composition of the material from data determined from an analysis of each material, as referenced in 40 CFR Part 60, Appendix A or an equivalent, alternative method (as approved by the 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: TMC Dough Roller (P040)

Activity Description: TMC Dough Roller

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Thick mold compound (TMC) roller machine	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 1.46 lbs/hr, 17.5 lbs/day and 3.20 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

2.a The emission limits specified in this rule are less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).

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

2.c Only nonphotochemically reactive cleanup materials shall be employed.

2.d The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 17,500 lbs/day.

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 production material and each cleanup material employed.

b. An identification of whether or not each cleanup material employed is a photochemically reactive material.

c. The weight of each production material employed, in pounds.

d. The styrene content of each production material employed, in percent by weight.

e. The styrene throughput of all production materials, in pounds.

f. The total organic compound emission rate for all production materials, in pounds.

g. The actual number of hours that the emissions unit was in operation.

h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

i. The weight of each cleanup material dispensed, in pounds.

j. The weight of each cleanup material returned, in pounds.

k. The total organic compound emission rate for all cleanup materials, in pounds.

l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.

m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials and the cleanup materials exceeded 1.46 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 production materials and the cleanup materials exceeded 17.5 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which any photochemically reactive cleanup materials were employed.

d. An identification of each day during which the styrene throughput exceeded 17,500 pounds per day, and the actual styrene throughput for each such day.

e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

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 April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 1.46 lbs OC/hr, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.m. 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.c Emission Limitation: 17.5 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i.

where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

iii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from compounding machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

V. Testing Requirements (continued)

1.d Emission Limitation: 3.20 TPY OC, including emissions from cleanup materials

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 production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine A-6 (P041)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press A-6 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.44 pound 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 production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.44 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.93 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine B-6 (P042)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press B-6 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.44 pound 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 production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.44 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.93 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine D-4 (P043)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press D-4 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.44 pound 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 production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.44 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.93 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine D-6 (P044)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press D-6 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.44 pound 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 production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.44 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.93 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine E-1 (P045)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press E-1 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.44 pound 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 production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.44 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.93 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine E-2 (P046)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press E-2 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.44 pound 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 production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.44 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.93 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine E-3 (P047)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press E-3 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.44 pound 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 production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.44 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.93 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine E-4 (P048)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press E-4 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.44 pound 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 production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.44 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.93 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine E-5 (P049)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press E-5 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.44 pound 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 production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.44 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.93 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine E-6 (P050)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press E-6 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.44 pound 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 production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.44 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.93 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine E-7 (P051)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press E-7 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.44 pound 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 production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.44 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.93 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine G-1 (P052)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press G-1 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.44 pound 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 production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.44 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.93 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine G-2 (P053)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press G-2 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.74 lb/hr, 17.76 lbs/day and 3.24 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 13,200 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.74 pound 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 production materials exceeded 17.76 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 13,200 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.74 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 17.76 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 3.24 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine G-3 (P054)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press G-3 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.74 lb/hr, 17.76 lbs/day and 3.24 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 13,200 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.74 pound 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 production materials exceeded 17.76 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 13,200 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.74 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 17.76 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 3.24 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine G-4 (P055)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press G-4 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.64 lb/hr, 13.68 lbs/day and 2.49 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 10,200 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.64 pound 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 production materials exceeded 13.68 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 10,200 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.64 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 13.68 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 2.49 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine G-5 (P056)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press G-5 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.64 lb/hr, 13.68 lbs/day and 2.49 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 10,200 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.64 pound 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 production materials exceeded 13.68 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 10,200 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.64 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 13.68 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 2.49 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine G-6 (P057)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press G-6 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.74 lb/hr, 17.76 lbs/day and 3.24 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 13,200 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.74 pound 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 production materials exceeded 17.76 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 13,200 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.74 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 17.76 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 3.24 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine G-7 (P058)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press G-7 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.74 lb/hr, 17.76 lbs/day and 3.24 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 13,200 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.74 pound 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 production materials exceeded 17.76 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 13,200 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.74 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 17.76 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 3.24 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine G-8 (P059)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press G-8 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.64 lb/hr, 13.68 lbs/day and 2.49 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 10,200 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.64 pound 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 production materials exceeded 13.68 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 10,200 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.64 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 13.68 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 2.49 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Injection Mold Machine H-1 (P061)

Activity Description: Injection molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Injection mold press H-1 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.37 lb/hr, 8.88 lbs/day and 1.62 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 6,600 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.37 pound 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 production materials exceeded 8.88 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 6,600 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.37 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 8.88 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.62 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Injection Mold Machine H-2 (P062)

Activity Description: Injection molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Injection mold press H-2 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.37 lb/hr, 8.88 lbs/day and 1.62 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 6,600 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.37 pound 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 production materials exceeded 8.88 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 6,600 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.37 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 8.88 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.62 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Injection Mold Machine H-3 (P063)

Activity Description: Injection molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Injection mold press H-3 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.37 lb/hr, 8.88 lbs/day and 1.62 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 6,600 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.37 pound 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 production materials exceeded 8.88 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 6,600 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.37 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 8.88 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.62 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Injection Mold Machine H-4 (P064)

Activity Description: Injection molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Injection mold press H-4 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.37 lb/hr, 8.88 lbs/day and 1.62 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 6,600 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.37 pound 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 production materials exceeded 8.88 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 6,600 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.37 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 8.88 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.62 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Injection Mold Machine H-5 (P065)

Activity Description: Injection molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Injection mold press H-5 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.37 lb/hr, 8.88 lbs/day and 1.62 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 6,600 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.37 pound 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 production materials exceeded 8.88 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 6,600 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.37 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 8.88 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.62 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Injection Mold Machine H-6 (P066)

Activity Description: Injection molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Injection mold press H-6 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.37 lb/hr, 8.88 lbs/day and 1.62 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 6,600 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.37 pound 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 production materials exceeded 8.88 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 6,600 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.37 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 8.88 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.62 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Injection Mold Machine H-7 (P067)

Activity Description: Injection molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Injection mold press H-7 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.37 lb/hr, 8.88 lbs/day and 1.62 tons/year from the production operation.

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

2.c The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 6,600 lbs/day.

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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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 production materials exceeded 0.37 pound 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 production materials exceeded 8.88 pounds per day, and the actual OC emissions for each such day.

c. An identification of each day during which the mold compound usage exceeded 6,600 pounds per day, and the actual usage for each such day.

d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

1.b Emission Limitation: 0.37 lb OC/hr from the production operation.

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.

V. Testing Requirements (continued)

1.c Emission Limitation: 8.88 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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.d Emission Limitation: 1.62 TPY OC from the production operation.

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 production materials, as specified in section A.V.1.c. 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine G-9 (P071)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press G-9 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 production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11376	OC emissions shall not exceed 1.1 lbs/hr, 26.4 lbs/day and 4.82 tons/year from the production operation.

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 The emissions of organic materials from the production 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 production material employed.

b. The weight of each production material employed, in pounds.

c. The weight of all production materials employed, in pounds.

d. The total organic compound emission rate for all production materials, in pounds.

e. The actual number of hours that the emissions unit was in operation.

f. The average hourly organic compound emission rate for all production 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 production materials exceeded 1.1 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 production materials exceeded 26.4 pounds per day, and the actual OC emissions for each such day.

2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 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: 1.1 lbs OC/hr from the production operation.

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: 26.4 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = 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: 4.82 TPY OC from the production operation.

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 production 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: PIGMENT AREA SOLVENT CLEANING (P072)

Activity Description: Pigment Area and miscellaneous solvent cleaning

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Pigment area and miscellaneous solvent cleaning	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine AA-6 (P073)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press AA-6 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine AA-7 (P074)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press AA-7 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine AA-8 (P075)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press AA-8 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine A-7 (P076)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press A-7 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine B-7 (P077)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press B-7 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine B-8 (P078)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press B-8 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine C-8 (P079)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press C-8 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine C-9 (P080)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press C-9 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine C-10 (P081)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press C-10 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine D-2 (P082)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press D-2 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine D-3 (P083)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press D-3 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine O-1 (P084)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-1 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine O-2 (P085)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-2 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine O-3 (P086)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-3 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine O-4 (P087)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-4 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine O-5 (P088)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-5 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine O-6 (P089)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-6 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine O-7 (P090)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-7 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine O-10 (P091)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-10 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine O-11 (P092)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-11 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine O-12 (P093)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-12 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine O-13 (P094)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-13 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine O-14 (P095)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-14 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine O-15 (P096)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-15 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Compression Mold Machine O-16 (P097)

Activity Description: Compression molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-16 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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: Injection Mold Machine H-10 (P098)

Activity Description: Injection molding

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Injection mold press H-10 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

2.a Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: PAINT SPRAY BOOTH (R001)

Activity Description: Paint Booth 2

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Paint spray booth #2 for coated 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.
	OAC rule 3745-17-11(B)(1)	Particulate emissions (PE) shall not exceed 0.551 lb/hr.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, whenever photochemically reactive materials are employed.
	OAC rule 3745-31-05(A)(3) PTI 02-1323	No annual limit stated in PTI 02-1323.

2. Additional Terms and Conditions

2.a On any day when photochemically reactive materials are employed, all of the organic compound emissions from this emissions unit count toward the hourly and daily limits, including the emissions from nonphotochemically reactive materials, except nonphotochemically reactive cleanup materials.

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain a daily log of filter replacements and any maintenance of the overspray filter system.

2. The permittee shall properly operate the overspray filter system 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 overspray filter system was not in operation when the emissions unit was in operation.

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

3. The permittee shall collect and record the following information for each day for this emissions unit:

a. The company identification for each coating and each cleanup material employed.

b. Identification of whether or not each coating and each cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01(C).

c. The volume of each coating employed, in gallons per day.

d. The organic compound content of each coating, in pounds per gallon.

e. The organic compound content of each photochemically reactive cleanup material, in percent by weight.

f. The weight of each photochemically reactive cleanup material dispensed, in pounds per day.

g. The weight of each photochemically reactive cleanup material returned, in pounds per day.

h. The weight of each evaporated cleanup material, which is estimated by subtracting the weight of returned cleanup material from the weight of dispensed cleanup material, in pounds per day.

i. On any day when any photochemically reactive material (coating or cleanup material) is employed, the organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day.

j. The total number of hours the emissions unit was in operation.

k. On any day when any photochemically reactive material (coating or cleanup material) is employed, the average hourly organic compound emission rate for all coatings and photochemically reactive cleanup materials, i.e., (i)/(j), 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 dust filter system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the 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, whenever photochemically reactive materials (coatings or cleanup materials) are employed, during which the average hourly OC emissions from all the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.

b. An identification of each day, whenever photochemically reactive materials (coatings or cleanup materials) are employed, during which the OC emissions from all the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

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, as a 6-minute average.

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: 0.551 lb PE/hr

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

E = CTG x SC x (1-TE) x (1-CE).

Where the following applies:
E = PE rate, lbs/hr.

CTG = maximum coating usage rate, which is 6.3 gal/hr as noted in Premix's letter of January 6, 2000.

SC = maximum solids content, which is 7.28 lbs/gal of coating as determined from data in the permit application.

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used, which is 0.40 for air atomized spray, as noted in AP-42 chapter 4.2.2.11 (5/83).

CE = control efficiency of the control equipment which is 99% as noted in the permit application.

1.c 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.3.j.

1.d Emission Limitation: 40 lbs OC/day

Applicable Compliance Method: Compliance shall be determined upon the following:

i. Determination of daily emissions from coatings shall be made in accordance with the following method(s):

ECTG(lbs/day) = Summation of (OCi x Vi).

where:
ECTG(lbs/day) = the organic compound (OC) emissions from coatings, whenever a photochemically reactive material is employed, in pounds per day.

OCi = the OC content of coating "i", in pounds per gallon of coating as applied.

Vi = the volume of coating "i" employed, in gallons per day.

ii. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i x OCi]

where:
EC(lbs/day) = the OC emissions from cleanup operations, whenever a photochemically reactive material is employed, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

OCi = the OC content of cleanup material "i", in percent by weight of cleanup material.

iii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ECTG(lbs/day) + EC(lbs/day).

V. Testing Requirements (continued)

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: PAINT SPRAY BOOTH (R002)

Activity Description: Paint Booth 1

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Paint spray booth #1 for coated 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.
	OAC rule 3745-17-11(B)(1)	Particulate emissions (PE) shall not exceed 0.551 lb/hr.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, whenever photochemically reactive materials are employed.
	OAC rule 3745-31-05(A)(3) PTI 02-1323	No annual limit stated in PTI 02-1323.

2. Additional Terms and Conditions

2.a On any day when photochemically reactive materials are employed, all of the organic compound emissions from this emissions unit count toward the hourly and daily limits, including the emissions from nonphotochemically reactive materials, except nonphotochemically reactive cleanup materials.

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain a daily log of filter replacements and any maintenance of the overspray filter system.

2. The permittee shall properly operate the overspray filter system 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 overspray filter system was not in operation when the emissions unit was in operation.

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

3. The permittee shall collect and record the following information for each day for this emissions unit:

a. The company identification for each coating and each cleanup material employed.

b. Identification of whether or not each coating and each cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01(C).

c. The volume of each coating employed, in gallons per day.

d. The organic compound content of each coating, in pounds per gallon.

e. The organic compound content of each photochemically reactive cleanup material, in percent by weight.

f. The weight of each photochemically reactive cleanup material dispensed, in pounds per day.

g. The weight of each photochemically reactive cleanup material returned, in pounds per day.

h. The weight of each evaporated cleanup material, which is estimated by subtracting the weight of returned cleanup material from the weight of dispensed cleanup material, in pounds per day.

i. On any day when any photochemically reactive material (coating or cleanup material) is employed, the organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day.

j. The total number of hours the emissions unit was in operation.

k. On any day when any photochemically reactive material (coating or cleanup material) is employed, the average hourly organic compound emission rate for all coatings and photochemically reactive cleanup materials, i.e., (i)/(j), 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 dust filter system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the 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, whenever photochemically reactive materials (coatings or cleanup materials) are employed, during which the average hourly OC emissions from all the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.

b. An identification of each day, whenever photochemically reactive materials (coatings or cleanup materials) are employed, during which the OC emissions from all the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

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, as a 6-minute average.

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: 0.551 lb PE/hr

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

E = CTG x SC x (1-TE) x (1-CE).

Where the following applies:
E = PE rate, lbs/hr.

CTG = maximum coating usage rate, which is 6.3 gal/hr as noted in Premix's letter of January 6, 2000.

SC = maximum solids content, which is 7.28 lbs/gal of coating as determined from data in the permit application.

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used, which is 0.40 for air atomized spray, as noted in AP-42 chapter 4.2.2.11 (5/83).

CE = control efficiency of the control equipment which is 99% as noted in the permit application.

1.c 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.3.j.

1.d Emission Limitation: 40 lbs OC/day

Applicable Compliance Method: Compliance shall be determined upon the following:

i. Determination of daily emissions from coatings shall be made in accordance with the following method(s):

ECTG(lbs/day) = Summation of (OCi x Vi).

where:
ECTG(lbs/day) = the organic compound (OC) emissions from coatings, whenever a photochemically reactive material is employed, in pounds per day.

OCi = the OC content of coating "i", in pounds per gallon of coating as applied.

Vi = the volume of coating "i" employed, in gallons per day.

ii. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i x OCi]

where:
EC(lbs/day) = the OC emissions from cleanup operations, whenever a photochemically reactive material is employed, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

OCi = the OC content of cleanup material "i", in percent by weight of cleanup material.

iii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ECTG(lbs/day) + EC(lbs/day).

V. Testing Requirements (continued)

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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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