



Environmental
Protection Agency

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

12/8/2010

Certified Mail

Mr. Walter McSherry, Jr.
Premix, Inc.
ROUTE 20 & HARMON RD.
P.O. Box 281
NORTH KINGSVILLE, OH 44068-0281

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 0204000133
Permit Number: P0105804
Permit Type: OAC Chapter 3745-31 Modification
County: Ashtabula

No	TOXIC REVIEW
No	PSD
Yes	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
Yes	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

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

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Northeast District Office. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

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

Cc: U.S. EPA
Ohio EPA-NEDO; Pennsylvania; Canada



Response to Comments

Response to comments for: Permit-To-Install

Facility ID:	0204000133
Facility Name:	Premix, Inc.
Facility Description:	Manufacturer of Composite Mold Compounds & Molded Plastic Parts
Facility Address:	Route 20 & Harmon Road North Kingsville, OH 44068-0281 Ashtabula County
Permit #:	P0105804, OAC Chapter 3745-31 Modification
A public notice for the draft permit issuance was published in the Ohio EPA Weekly Review and appeared in the The Star Beacon on 11/05/2010. The comment period ended on 12/05/2010.	
Hearing date (if held)	None
Hearing Public Notice Date (if different from draft public notice)	

The following comments were received during the comment period specified. Ohio EPA reviewed and considered all comments received during the public comment period. By law, Ohio EPA has authority to consider specific issues related to protection of the environment and public health. Often, public concerns fall outside the scope of that authority. For example, concerns about zoning issues are addressed at the local level. Ohio EPA may respond to those concerns in this document by identifying another government agency with more direct authority over the issue.

In an effort to help you review this document, the questions are grouped by topic and organized in a consistent format. PDF copies of the original comments in the format submitted are available upon request.

1. Topic: **Emissions unit descriptions**
 - a. Comment: **Request to change descriptions for a number of emissions units**
 - b. Response: **As requested, all changes were made of descriptions of emissions units, eg, from "mold machine" to "mold press".**
2. Topic: **Errors in calculating emissions in the testing sections**
 - a. Comment: **Request to fix errors in calculating tpy emissions in testing sections**
 - b. Response: **As requested, all errors were corrected in the testing sections in the permit.**



FINAL

**Division of Air Pollution Control
Permit-to-Install
for
Premix, Inc.**

Facility ID: 0204000133
Permit Number: P0105804
Permit Type: OAC Chapter 3745-31 Modification
Issued: 12/8/2010
Effective: 12/8/2010



Division of Air Pollution Control
Permit-to-Install
for
Premix, Inc.

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Authorization

Facility ID: 0204000133
Facility Description: Manufacturer of Composite Mold Compounds & Molded Plastic Parts
Application Number(s): A0038593, A0039972
Permit Number: P0105804
Permit Description: Chapter 31 mod
Permit Type: OAC Chapter 3745-31 Modification
Permit Fee: \$28,850.00
Issue Date: 12/8/2010
Effective Date: 12/8/2010

This document constitutes issuance to:

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

of a Permit-to-Install for the emissions unit(s) identified on the following page.

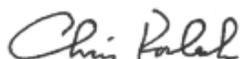
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northeast District Office
2110 East Aurora Road
Twinsburg, OH 43087
(330)425-9171

The above named entity is hereby granted a Permit-to-Install for the emissions unit(s) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Chris Korleski
Director



Authorization (continued)

Permit Number: P0105804
Permit Description: Chapter 31 mod

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID: P032
Company Equipment ID: SMC03 Pilot Plant Machine
Superseded Permit Number: 02-11793
General Permit Category and Type: Not Applicable

Emissions Unit ID: P039
Company Equipment ID: Pipe and Pump Cleaning Operations
Superseded Permit Number: 02-11793
General Permit Category and Type: Not Applicable

Emissions Unit ID: P072
Company Equipment ID: Facility wide cleanup
Superseded Permit Number:
General Permit Category and Type: Not Applicable

Group Name: Compression Mold Presses

Emissions Unit ID: P041
Company Equipment ID: Compression Mold Press A-6
Superseded Permit Number: 02-11793
General Permit Category and Type: Not Applicable

Emissions Unit ID: P042
Company Equipment ID: Compression Mold Press B-6
Superseded Permit Number: 02-11793
General Permit Category and Type: Not Applicable

Emissions Unit ID: P043
Company Equipment ID: Compression Mold Press D-4
Superseded Permit Number: 02-11793
General Permit Category and Type: Not Applicable

Emissions Unit ID: P044
Company Equipment ID: Compression Mold Press D-6
Superseded Permit Number: 02-11793
General Permit Category and Type: Not Applicable

Emissions Unit ID: P045
Company Equipment ID: Compression Mold Press E-1
Superseded Permit Number: 02-11793
General Permit Category and Type: Not Applicable

Emissions Unit ID: P046
Company Equipment ID: Compression Mold Press E-2
Superseded Permit Number: 02-11793
General Permit Category and Type: Not Applicable

Emissions Unit ID: P047
Company Equipment ID: Compression Mold Press E-3
Superseded Permit Number: 02-11793
General Permit Category and Type: Not Applicable

Emissions Unit ID: P048
Company Equipment ID: Compression Mold Press E-4
Superseded Permit Number: 02-11793

General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P049
Company Equipment ID:	Compression Mold Press E-5
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P050
Company Equipment ID:	Compression Mold Press E-6
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P051
Company Equipment ID:	Compression Mold Press E-7
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P052
Company Equipment ID:	Compression Mold Press G-1
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P053
Company Equipment ID:	Compression Mold Press G-2
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P054
Company Equipment ID:	Compression Mold Press G-3
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P055
Company Equipment ID:	Compression Mold Press G-4
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P056
Company Equipment ID:	Compression Mold Press G-5
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P057
Company Equipment ID:	Compression Mold Press G-6
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P058
Company Equipment ID:	Compression Mold Press G-7
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P059
Company Equipment ID:	Compression Mold Press G-8
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P071
Company Equipment ID:	Compression Mold Press G-9
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P073
Company Equipment ID:	Compression Mold Press AA-6
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P074
Company Equipment ID:	Compression Mold Press AA-7
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P075
Company Equipment ID:	Compression Mold Press AA-8
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P076
Company Equipment ID:	Compression Mold Press A-7
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P077
Company Equipment ID:	Compression Mold Press B-7
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P078
Company Equipment ID:	Compression Mold Press B-8
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P079
Company Equipment ID:	Compression Mold Press C-8
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P080
Company Equipment ID:	Compression Mold Press C-9
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P081
Company Equipment ID:	Compression Mold Press C-10
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P082
Company Equipment ID:	Compression Mold Press D-2
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P083
Company Equipment ID:	Compression Mold Press D-3
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P084
Company Equipment ID:	Compression Mold Press O-1
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P085
Company Equipment ID:	Compression Mold Press O-2
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P086
Company Equipment ID:	Compression Mold Press O-3
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P087
Company Equipment ID:	Compression Mold Press O-4
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P088
Company Equipment ID:	Compression Mold Press O-5
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P089

Company Equipment ID:	Compression Mold Press O-6
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P090
Company Equipment ID:	Compression Mold Press O-7
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P091
Company Equipment ID:	Compression Mold Press O-10
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P092
Company Equipment ID:	Compression Mold Press O-11
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P093
Company Equipment ID:	Compression Mold Press O-12
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P094
Company Equipment ID:	Compression Mold Press O-13
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P095
Company Equipment ID:	Compression Mold Press O-14
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P096
Company Equipment ID:	Compression Mold Press O-15
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P097
Company Equipment ID:	Compression Mold Press O-16
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P105
Company Equipment ID:	Compression Mold Press G-10
Superseded Permit Number:	02-17520
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P108
Company Equipment ID:	Compression Mold Press O-17
Superseded Permit Number:	02-21601
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P109
Company Equipment ID:	Compression Mold Press E-8
Superseded Permit Number:	02-21601
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P110
Company Equipment ID:	Compression Mold Press E-9
Superseded Permit Number:	02-22277
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P111
Company Equipment ID:	Compression Mold Press G-11
Superseded Permit Number:	02-22277
General Permit Category and Type:	Not Applicable

Group Name: Extruders

Emissions Unit ID:	P033
Company Equipment ID:	EXTRUDER 4
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P034
Company Equipment ID:	EXTRUDER 5
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P035
Company Equipment ID:	EXTRUDER 1
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P036
Company Equipment ID:	EXTRUDER 2
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P037
Company Equipment ID:	EXTRUDER 3
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable

Group Name: Injection Mold Presses

Emissions Unit ID:	P061
Company Equipment ID:	Injection Mold Press H-1
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P062
Company Equipment ID:	Injection Mold Press H-2
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P063
Company Equipment ID:	Injection Mold Press H-3
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P064
Company Equipment ID:	Injection Mold Press H-4
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P065
Company Equipment ID:	Injection Mold Press H-5
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P066
Company Equipment ID:	Injection Mold Press H-6
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P067
Company Equipment ID:	Injection Mold Press H-7
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P098
Company Equipment ID:	Injection Mold Press H-10
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P101
Company Equipment ID:	Injection Mold Press H-8
Superseded Permit Number:	02-14449
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P102
Company Equipment ID:	Injection Mold Press H-12
Superseded Permit Number:	02-14449
General Permit Category and Type:	Not Applicable

Group Name: Mixers I

Emissions Unit ID:	P010
Company Equipment ID:	Thermoplastic Additive Disperser C-0
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P011
Company Equipment ID:	Thickener Disperser C-1
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable

Group Name: Mixers II

Emissions Unit ID:	P012
Company Equipment ID:	Resin Paste Disperser C-2
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P013
Company Equipment ID:	Resin Paste Disperser C-3
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P014
Company Equipment ID:	Resin Paste Disperser C-4
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P015
Company Equipment ID:	Resin Paste Disperser C-5
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P016
Company Equipment ID:	Resin Paste Disperser C-6
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P017
Company Equipment ID:	Resin Paste Disperser C-7
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P018
Company Equipment ID:	Resin Paste Disperser C-8
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P021
Company Equipment ID:	BMC Sigma Mixer 1
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P022
Company Equipment ID:	BMC Mixer 2

Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P023
Company Equipment ID:	BMC Mixer 3
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P024
Company Equipment ID:	BMC Mixer 4
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P025
Company Equipment ID:	BMC Mixer 5
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P026
Company Equipment ID:	BMC Mixer 6
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P027
Company Equipment ID:	BMC Continuous Mixer 1 & 2
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P028
Company Equipment ID:	Two Pilot Plant Dispersers for BMC
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P099
Company Equipment ID:	BMC Mixer 7
Superseded Permit Number:	02-13885
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P100
Company Equipment ID:	Readco BMC Mixer
Superseded Permit Number:	02-14232
General Permit Category and Type:	Not Applicable

Group Name: SMC & TMC machines, RTO

Emissions Unit ID:	P029
Company Equipment ID:	TMC MACHINE
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P030
Company Equipment ID:	SMC01 MACHINE
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P031
Company Equipment ID:	SMC02 MACHINE
Superseded Permit Number:	02-11793
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

- a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:
 - (1) Standard Term and Condition A.2.a), Severability Clause
 - (2) Standard Term and Condition A.3.c) through A. 3.e) General Requirements
 - (3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements
 - (4) Standard Term and Condition A.9., Reporting Requirements
 - (5) Standard Term and Condition A.10., Applicability
 - (6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install
 - (7) Standard Term and Condition A.14., Public Disclosure
 - (8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
 - (9) Standard Term and Condition A.16., Fees
 - (10) Standard Term and Condition A.17., Permit Transfers

2. Severability Clause

- a) 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.
- b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they 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 and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. 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 re-issuance, or modification.

- 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, 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 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.

4. Monitoring and Related Record Keeping and Reporting Requirements

- a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - (1) The date, place (as defined in the permit), and time of sampling or measurements.
 - (2) The date(s) analyses were performed.
 - (3) The company or entity that performed the analyses.
 - (4) The analytical techniques or methods used.
 - (5) The results of such analyses.
 - (6) The operating conditions existing at the time of sampling or measurement.
- 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, 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.
- 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:
 - (1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Ohio EPA DAPC, Northeast District Office.

- (2) 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 made to the Ohio EPA DAPC, Northeast District Office. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.
 - (3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted (i.e., postmarked) to the Ohio EPA DAPC, Northeast District Office every six months, by January 31 and July 31 of each year for the previous six calendar months. 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.
 - (4) This permit is for an emissions unit located at a Title V facility. 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.
- d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

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, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the Ohio EPA DAPC, Northeast District Office 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 shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

6. Compliance Requirements

- a) The emissions unit(s) identified in this Permit shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.
- b) Any document (including reports) required to be submitted and required by a federally applicable requirement in this 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.
- c) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

- (1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - (3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - (4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- d) The permittee shall submit progress reports to the Ohio EPA DAPC, Northeast District Office concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
- (1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - (2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

7. Best Available Technology

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.

8. 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.

9. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a) Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the Ohio EPA DAPC, Northeast District Office.

- 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 state-only required 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 Ohio EPA DAPC, Northeast District Office. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

10. Applicability

This Permit-to-Install is applicable only to the emissions unit(s) identified in the Permit-to-Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

11. Construction of New Sources(s) and Authorization to Install

- a) This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.
- b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

- c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as "permanently shut down" in Ohio EPA's "Air Services" along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).
- d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

No emissions unit certified by the authorized official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

- e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a deviation report, air fee emission report, or other any reporting required by this permit for the period the operating provisions of this permit were enforceable, or as required by regulation or law. All reports shall be submitted in a form and manner prescribed by the Director. All records relating to this permit must be maintained in accordance with law.

12. Permit-To-Operate Application

The permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77. The permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

13. Construction Compliance Certification

The applicant shall identify the following dates in the online facility profile for each new emissions unit identified in this permit.

- a) Completion of initial installation date shall be entered upon completion of construction and prior to start-up.

- b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

14. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

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., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

16. 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. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

17. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The new owner must update and submit the ownership information via the "Owner/Contact Change" functionality in Air Services once the transfer is legally completed. The change must be submitted through Air Services within thirty days of the ownership transfer date.

18. 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.

19. 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.

B. Facility-Wide Terms and Conditions

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

a) None.

2. Facility-wide emissions limitation for VOC:

a) The combined emissions of Volatile Organic Compounds (VOC) from all emissions units at this facility shall not exceed 99 tons per year, based upon a rolling, 12-month summation of the monthly emissions.

The combined emissions of VOC shall include the following emissions units: P010 - P018, P021 -P037, P039, P041 – P059, P061 – P067, P071 – P105, P108 – P111 and all VOC emitting, insignificant emissions units.

3. Monitoring and/or Recordkeeping Requirements for facility-wide VOC emissions limitation:

a) The permittee shall maintain monthly records of the following information:

(1) The rolling, 12-month summation of the VOC emissions, calculated by adding the current month's VOC emissions from all emissions units at this facility to the VOC emissions for the preceding eleven calendar months from all emissions units at this facility.

All VOC emitting, insignificant emissions units have combined potential VOC emissions of 0.1 ton/month. In lieu of calculating actual monthly VOC emissions, this value shall be added each month to the rolling, 12-month summation of monthly emissions. All VOC emitting, insignificant emissions units are listed in B.8.

4. Reporting Requirements for facility-wide VOC emissions limitation:

a) The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month emission limitation for VOC.

These reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

5. The permittee shall meet the following work practice standard:

a) For all fiberglass reinforced plastic operations, the permittee must keep all containers that store HAP-containing materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

6. Monitoring and/or Recordkeeping Requirements for facility-wide work practice standard:

a) The permittee shall inspect daily when in operation all containers that store HAP-containing materials, and record the following information:

(1) the date and reason why any required inspection was not performed; and

- (2) the date and all times when containers that store HAP-containing materials were not closed or covered, except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

7. Reporting Requirements for facility-wide work practice standard:

- a) The permittee must submit the following semiannual compliance reports:
 - (1) if there are no deviations from this work practice standard in B.5.a, provide a statement that there were no deviations from this work practice standard during the reporting period (i.e., all containers that store HAP-containing materials were closed or covered during the reporting period); and
 - (2) if there were deviations with this work practice standard in B.5.a, provide the total operating time of each emissions unit during the reporting period and information on the number, duration, and cause of deviations (including unknown cause, if applicable), and the corrective action taken.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. These compliance reports shall be submitted to the Director (the Ohio EPA eBusiness Center, Air Services) by July 31 or January 31, respectively.

8. INSIGNIFICANT SOURCE LIST

The following VOC emitting insignificant emissions sources are located at Premix:

- B001 – 1.35 MM BTU/hr gas-fired boiler;
- N001 – Bake-off oven for paint racks;
- 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;
- Z055 – Molded Parts Maintenance Parts Washer;
- Z056 – Compound Maintenance Parts Washer;
- Z057 – Tool Room Parts Washer;

Z058 – HVAC Units;
Z059 – Flame Test Room Hood and Ventilation;
Z060 – Lab Services Hoods and Vents;
Z061 – Hunziker Blast Cabinet;
Z062 – L&L Blast Cabinet;
Z063 – Tool Room Blast Cabinet;
Z064 – Timesaver;
Z065 – Fadal;
Z066 – Parts finishing at presses;
Z067 – Portable Diesel Tank;
Z068 – Stationary off-road diesel tank;
Z069 – Compound Lab Solvent Tank;
Z070 – Bulk additives silo T22-S5;
Z071 – Bulk additives silo T23-S4;
Z072 – Bulk additives silo T24-S3;
Z073 – Bulk additives silo T25-S2;
Z074 – Bulk additives silo T26-S1;
Z075 – Bag Dump Station 1;
Z076 – Bag Dump Station 2;
Z077 – Bag Dump Station 3;
Z078 – Bag Dump Station 4;
Z079 – Maintenance Welding;
Z080 – Diesel fire pump;
Z081 – Diesel compressors – Compound Cold Storage Trailers;
Z082 – Semi-bulk filler feed at Continuous Mixer;
Z083 – Hand-adds Weigh Area Hood;
Z084 – Resin Station;
Z085 – Pilot Plant Hood;
Z086 – Old Press Room Hot Oil System Boiler;
Z087 – New Press Room Hot Oil System Boilers;
Z088 – BMC Bulk System Draw 1&2; and
Z089 – Huber Semi-bulk loader.

C. Emissions Unit Terms and Conditions

1. P032, SMC03 Pilot Plant Machine

Operations, Property and/or Equipment Description:

Sheet mold compound (SMC) pilot plant machine

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) b)(1)c, b)(1)e and b)(1)f

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	See B.2: facility-wide limit for volatile organic compounds (VOC) emissions.
b.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-21-07(G)(2). See b)(2)a.
c.	OAC rule 3745-31-05(A)(3)(b), as effective 12/01/06	See b)(2)b.
d.	OAC rule 3745-21-07(G)(2)	Organic compounds (OC) emissions shall not exceed 8 lbs/hr or 40 lbs/day. See b)(2)c.
e.	OAC rule 3745-21-07(M)(3)(g)	The provisions of paragraph (M)(3)(g) of OAC rule 3745-21-07 shall not apply to this emissions unit, when complying with all work practice standards as specified in OAC rule 3745-21-07(M)(5)(h). See b)(2)d.i and b)(2)d.ii.
f.	OAC rule 3745-21-25	The work practice standards specified in OAC rule 3745-21-07(M)(5)(h) are equivalent to the work practice standards established pursuant to OAC rule 3745-21-25, Table 1. See b)(2)d and b)(2)e.
g.	40 CFR Part 63, Subpart WWWW	The work practice standards specified in

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	(40 CFR 63.5780-5935)	OAC rule 3745-21-07(M)(5)(h) are equivalent to the work practice standards established pursuant to 40 CFR Part 63, Subpart WWWW, Table 4.
h.	40 CFR Part 63.1 through 63.15	The General Provisions that apply are specified in Table 15 of 40 CFR Part 63, Subpart WWWW.

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limitations/control measures no longer apply.

b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the volatile organic compound (VOC) emissions from this air contaminant source since the uncontrolled potential to emit for VOC is less than 10 tons/year.

c. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio. The following terms and conditions shall become void after U.S. EPA approves the rule revision: b)(1)d, d)(1), e)(1)a, e)(1)b and f)(1)a.

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan. The following terms shall become federally enforceable after U.S. EPA approves the rule revision: b)(1)e.

- d. The permittee shall meet the following work practice standards:
 - i. The resin delivery system to the doctor box on the sheet molding compound manufacturing machine must be closed or covered (the doctor box itself may be open). A doctor box is defined as the box or trough on a sheet molding compound manufacturing machine into which the liquid resin paste is delivered before it is metered onto the carrier film.; and
 - ii. A nylon containing film must be used to enclose the sheet molding compound.
- e. In accordance with paragraph (A)(1) of OAC rule 3745-21-25, this facility is subject to requirements of OAC rule 3745-21-25. This emissions unit was installed prior to the effective date of the rule and must comply with the requirements of this rule 12 months from the effective date of the rule, which is December 14, 2010.

In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composites production operations at the facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain daily records for this emissions unit:
 - a. hours of operation; and
 - b. the total OC emission rate for all resin mix produced, as calculated by the following equation, in pounds per day:

$$OC \left(\frac{\text{lbs}}{\text{day}} \right) = \text{hours of operation} \times ER$$

where:

ER = emission rate of 2.16 lbs VOC/hr, which is equivalent to 2.16 lbs OC/hr, as determined from the ANSI standard for the production of SMC:

$$ER = 0.1457 A_t - 0.1454$$

where:

ER = VOC emission rate, lb/hr, when paste is on the line;
A_t = Total wet area of SMC machine = A_{dl} + A_{du} + W*(L_l+L_u);
A_{dl} = open area of the lower doctor box, ft²;
A_{du} = open area of the upper doctor box, ft²;
W = wet width of SMC, ft;
L_l = Lower wet length, ft; and

Lu = Upper wet length, ft.

If emissions testing is required, use most current ER as determined from emissions testing instead of the ANSI emissions factor of 2.16 lbs VOC /hr.

- (2) The permittee shall maintain monthly records for this emissions unit:
- hours of operation; and
 - the total VOC emission rate for all resin mix produced, as calculated by the following equation, in pounds per month:

$$\text{VOC} \left(\frac{\text{lbs}}{\text{month}} \right) = \text{hours of operation} \times \text{ER}$$

where:

ER = emission rate of 2.16 lbs VOC/hr, which is equivalent to 2.16 lbs OC/hr, as determined from the ANSI standard for the production of SMC:

$$\text{ER} = 0.1457 \text{ At} - 0.1454$$

where:

ER = VOC emission rate, lb/hr, when paste is on the line;

At = Total wet area of SMC machine = Adl + Adu + W*(LI+Lu);

Adl = open area of the lower doctor box, ft²;

Adu = open area of the upper doctor box, ft²;

W = wet width of SMC, ft²;

LI = Lower wet length, ft; and

Lu = Upper wet length, ft.

If emissions testing is required, use most current ER as determined from emissions testing instead of the ANSI emissions factor of 2.16 lbs VOC /hr.

- (3) The permittee shall inspect the SMC machine when resin is present in the resin delivery system, and record the following information:
- the date and reason why any required inspection was not performed;
 - the date and all times the resin delivery system to the doctor box was not closed or covered, when resin was present in the resin delivery system (the doctor box itself may be open); and
 - the date and all times when nylon containing film was not used to enclose SMC.
- e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify the following:
- each day when the average hourly OC emissions exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day; and

- b. each day when the OC emissions exceeded 40 pounds per day, and the actual OC emissions for each such day.

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

(2) The permittee must submit semiannual compliance reports:

- a. if there are no deviations from the work practice standards in b)(2)d.i and b)(2)d.ii, provide a statement that there were no deviations from each of the those work practice standards during the reporting period (i.e., the resin delivery system to the doctor box was closed or covered for the reporting period and a nylon containing film was used to enclose SMC for the reporting period); and
- b. if there were deviations from the work practice standards in b)(2)d.i and b)(2)d.ii, provide the total operating time of the emissions unit during the reporting period and information on the number, duration, and cause of deviations (including unknown cause, if applicable), and the corrective action taken.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. These compliance reports shall be submitted to the Director (the Ohio EPA eBusiness Center, Air Services) by July 31 or January 31, respectively.

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

OC emissions shall not exceed 8 lbs/hr or 40 lbs/day.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(1) of these terms and conditions.

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, 25A, 204, 204A-F and/or 205, or other approved methods, as appropriate.

g) Miscellaneous Requirements

- (1) None.

2. P039, Pipe and Pump Cleaning Operations

Operations, Property and/or Equipment Description:

Pipe and metal pump cleaning

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) b)(1)d, b)(1)f and b)(1)g

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	See B.2: facility-wide limit for volatile organic compounds (VOC) emissions.
b.	OAC rule 3745-31-05(D)	See b)(2)c. The requirements of this rule shall terminate upon the SIP revision of OAC rule 3745-21-07 as described in b)(2)e.
c.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	VOC emissions shall not exceed 1,650 lbs/month and 9.9 tpy. See b)(2)a.
d.	OAC rule 3745-31-05(A)(3)(b), as effective 12/01/06	See b)(2)b.
e.	OAC rule 3745-21-07(G)(2)	See b)(2)d and b)(2)e.
f.	OAC rule 3745-21-07(M)(5)(a)	Exempt from the emission limit standards in OAC rule 3745-21-07(M)(2).
g.	OAC rule 3745-21-25(D)(1)	Work practice standards in Table 1 of OAC rule 3745-21-25. See b)(2)f and b)(2)h.
h.	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780-5935)	Work practice standards in Table 4 of Subpart WWWW. See b)(2)g.
i.	40 CFR Part 63.1 through 63.15	The General Provisions that apply are specified in Table 15 of 40 CFR Part 63, Subpart WWWW.

(2) Additional Terms and Conditions

- a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limitations/control measures no longer apply.

- b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the volatile organic compound (VOC) emissions from this air contaminant source since the uncontrolled potential to emit for VOC is less than 10 tons/year.

- c. The permittee shall not use any cleaning solvents that contain photochemically reactive materials (PRMs).
- d. 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.

- e. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio. The following terms and conditions shall become void after U.S. EPA approves the rule revision: b)(1)b, b)(1)e, b)(2)c, b)(2)d, d)(1)c and e)(1)a.

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan. The following terms shall become federally enforceable after U.S. EPA approves the rule revision: b)(1)f.

- f. Do not use cleaning solvents (cleaners) that have a VOC content greater than 0.42 pound VOC per gallon, except cleaners used in closed systems and used to

clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin.

- g. The permittee shall not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin.
- h. In accordance with paragraph (A)(1) of OAC rule 3745-21-25, this facility is subject to requirements of OAC rule 3745-21-25. This emissions unit was installed prior to the effective date of the rule and must comply with the requirements of this rule twelve months from the affected date of the rule, which is December 14, 2010.

In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composites production operations at the facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain the following monthly records for this emissions unit:
 - a. the name and identification number of each cleanup material applied;
 - b. an identification of each cleanup material applied as to whether it's a VOC or contains HAP;
 - c. an identification of each cleanup material applied as to whether it's a PRM;
 - d. the density and VOC weight fraction or the density and VOC volume fraction of each cleanup material applied;
 - e. the weight or volume of each cleanup material applied;
 - f. the total VOC emission rate for all cleanup materials applied, in lbs/month;
 - g. if a credit for recovered cleanup materials is to be used to demonstrate compliance, records of the total amount (lbs) of cleanup material collected and added to the recovery container, for recycle, recovery, and/or disposal at an outside facility, shall be maintained in the following manner:
 - i. the date the materials from the recovery container were shipped off site; and
 - ii. the number of gallons or pounds of materials from the recovery container shipped off site; and

- h. a credit of recovered cleanup material may be used to adjust the amount of VOC emissions in section d)(1)f.

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. each day when photochemically reactive materials (PRMs) were applied, and the actual amount of emissions from using PRM for each such day; and
 - b. each month when the VOC emissions exceeded 1,650 pounds per month, and the actual VOC emissions for each such month.

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

- (2) The permittee must submit semiannual compliance reports:
 - a. if there are no deviations from the work practice standard in b)(2)f, provide a statement that there were no deviations from the work practice standard during the reporting period (i.e., each cleaning solvent used did not have a VOC content greater than 0.42 pound VOC per gallon (except cleaners used in closed systems and used to clean cured resin from application equipment) for the reporting period);
 - b. if there are no deviations from the work practice standard in b)(2)g, provide a statement that there were no deviations from the work practice standard during the reporting period (i.e., cleaning solvents used did not contain HAP, except that styrene was used as a cleaner in closed systems, and organic HAP containing cleaners was used to clean cured resin from application equipment, for the reporting period); and
 - c. if there were deviations with the work practice standards in b)(2)f and b)(2)g, provide the total operating time of the emissions unit during the reporting period and information on the number, duration, and cause of deviations (including unknown cause, if applicable), and the corrective action taken.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. These compliance reports shall be submitted to the Director (the Ohio EPA eBusiness Center, Air Services) by July 31 or January 31, respectively.

f) Testing Requirements

- (1) Compliance with the emission limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
VOC emissions shall not exceed 1,650 lbs/month.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(1) of these terms and conditions.

b. Emission Limitation:

VOC emissions shall not exceed 9.9 tpy.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the monthly allowable VOC emission limitation (1,650 lbs/month) by the maximum annual months of operation (12 months), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the monthly allowable emission limitation, compliance shall also be shown with the annual emission limitation.

g) Miscellaneous Requirements

(1) None.

3. P072, Facility wide cleanup

Operations, Property and/or Equipment Description:

Facility wide cleanup: TMC and SMC machines, BMC mixers, extruders, etc.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) b)(1)d, b)(1)e and b)(1)f

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	See B.2: facility-wide limit for volatile organic compounds (VOC) emissions.
b.	OAC rule 3745-31-05(D)	See b)(2)c. The requirements of this rule shall terminate upon the SIP revision of OAC rule 3745-21-07 as described in b)(2)e.
c.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	VOC emissions shall not exceed 1,650 lbs/month and 9.9 tpy. See b)(2)a.
d.	OAC rule 3745-31-05(A)(3)(b), as effective 12/01/06	See b)(2)b.
e.	OAC rule 3745-21-07(G)(2)	See b)(2)d and b)(2)e.
f.	OAC rule 3745-21-07(M)(5)(a)	Exempt from the emission limit standards in OAC rule 3745-21-07(M)(2).
g.	OAC rule 3745-21-25(D)(1)	Work practice standards in Table 1 of OAC rule 3745-21-25. See b)(2)f and b)(2)h.
h.	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780-5935)	Work practice standards in Table 4 of Subpart WWWW. See b)(2)g.
i.	40 CFR Part 63.1 through 63.15	The General Provisions that apply are specified in Table 15 of 40 CFR Part 63, Subpart WWWW.

(2) Additional Terms and Conditions

- a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limitations/control measures no longer apply.

- b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the volatile organic compound (VOC) emissions from this air contaminant source since the uncontrolled potential to emit for VOC is less than 10 tons/year.

- c. The permittee shall not use any cleaning solvents that contain photochemically reactive materials (PRMs).
- d. 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.

- e. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio. The following terms and conditions shall become void after U.S. EPA approves the rule revision: b)(1)b, b)(1)e, b)(2)c, b)(2)d, d)(1)c and e)(1)a.

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan. The following terms shall become federally enforceable after U.S. EPA approves the rule revision: b)(1)f.

- f. Do not use cleaning solvents (cleaners) that have a VOC content greater than 0.42 pound VOC per gallon, except cleaners used in closed systems and used to

clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin.

- g. The permittee shall not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin.
- h. In accordance with paragraph (A)(1) of OAC rule 3745-21-25, this facility is subject to requirements of OAC rule 3745-21-25. This emissions unit was installed prior to the effective date of the rule and must comply with the requirements of this rule twelve months from the affected date of the rule, which is December 14, 2010.

In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composites production operations at the facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain the following monthly records for this emissions unit:
 - a. the name and identification number of each cleanup material applied;
 - b. an identification of each cleanup material applied as to whether it's a VOC or contains HAP;
 - c. an identification of each cleanup material applied as to whether it's a PRM;
 - d. the density and VOC weight fraction or the density and VOC volume fraction of each cleanup material applied;
 - e. the weight or volume of each cleanup material applied;
 - f. the total VOC emission rate for all cleanup materials applied, in lbs/month;
 - g. if a credit for recovered cleanup materials is to be used to demonstrate compliance, records of the total amount (lbs) of cleanup material collected and added to the recovery container, for recycle, recovery, and/or disposal at an outside facility, shall be maintained in the following manner:
 - i. the date the materials from the recovery container were shipped off site; and
 - ii. the number of gallons or pounds of materials from the recovery container shipped off site; and

- h. a credit of recovered cleanup material may be used to adjust the amount of VOC emissions in section d)(1)f.

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. each day when photochemically reactive materials (PRMs) were applied, and the actual amount of emissions from using PRM for each such day; and
 - b. each month when the VOC emissions exceeded 1,650 pounds per month, and the actual VOC emissions for each such month.

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

- (2) The permittee must submit semiannual compliance reports:
 - a. if there are no deviations from the work practice standard in b)(2)f, provide a statement that there were no deviations from the work practice standard during the reporting period (i.e., each cleaning solvent used did not have a VOC content greater than 0.42 pound VOC per gallon (except cleaners used in closed systems and used to clean cured resin from application equipment) for the reporting period);
 - b. if there are no deviations from the work practice standard in b)(2)g, provide a statement that there were no deviations from the work practice standard during the reporting period (i.e., cleaning solvents used did not contain HAP, except that styrene was used as a cleaner in closed systems, and organic HAP containing cleaners was used to clean cured resin from application equipment, for the reporting period); and
 - c. if there were deviations with the work practice standards in b)(2)f and b)(2)g, provide the total operating time of the emissions unit during the reporting period and information on the number, duration, and cause of deviations (including unknown cause, if applicable), and the corrective action taken.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. These compliance reports shall be submitted to the Director (the Ohio EPA eBusiness Center, Air Services) by July 31 or January 31, respectively.

f) Testing Requirements

- (1) Compliance with the emission limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
VOC emissions shall not exceed 1,650 lbs/month.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(1) of these terms and conditions.

b. Emission Limitation:

VOC emissions shall not exceed 9.9 tpy.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the monthly allowable VOC emission limitation (1,650 lbs/month) by the maximum annual months of operation (12 months), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the monthly allowable emission limitation, compliance shall also be shown with the annual emission limitation.

g) Miscellaneous Requirements

(1) None.

4. **Emissions Unit Group - Compression Mold Presses: P041, P042, P043, P044, P045, P046, P047, P048, P049, P050, P051, P052, P053, P054, P055, P056, P057, P058, P059, P071, P073, P074, P075, P076, P077, P078, P079, P080, P081, P082, P083, P084, P085, P086, P087, P088, P089, P090, P091, P092, P093, P094, P095, P096, P097, P105, P108, P109, P110, P111,**

EU ID	Operations, Property and/or Equipment Description
P041	Compression mold press A-6 for fiberglass reinforced plastic parts
P042	Compression mold press B-6 for fiberglass reinforce plastic parts
P043	Compression mold press D-4 for fiberglass reinforced plastic parts
P044	Compression mold press D-6 for fiberglass reinforced plastic parts
P045	Compression mold press E-1 for fiberglass reinforced plastic parts
P046	Compression mold press E-2 for fiberglass reinforced plastic parts
P047	Compression mold press E-3 for fiberglass reinforced plastic parts
P048	Compression mold press E-4 for fiberglass reinforced plastic parts
P049	Compression mold press E-5 for fiberglass reinforced plastic parts
P050	Compression mold press E-6 for fiberglass reinforced plastic parts
P051	Compression mold press E-7 for fiberglass reinforced plastic parts
P052	Compression mold press G-1 for fiberglass reinforced plastic parts
P053	Compression mold press G-2 for fiberglass reinforced plastic parts
P054	Compression mold press G-3 for fiberglass reinforced plastic parts
P055	Compression mold press G-4 for fiberglass reinforced plastic parts
P056	Compression mold press G-5 for fiberglass reinforced plastic parts
P057	Compression mold press G-6 for fiberglass reinforced plastic parts
P058	Compression mold press G-7 for fiberglass reinforced plastic parts
P059	Compression mold press G-8 for fiberglass reinforced plastic parts
P071	Compression mold press G-9 for fiberglass reinforced plastic parts
P073	Compression mold press AA-6 for fiberglass reinforced plastic parts
P074	Compression mold press AA-7 for fiberglass reinforced plastic parts
P075	Compression mold press AA-8 for fiberglass reinforced plastic parts
P076	Compression mold press A-7 for fiberglass reinforced plastic parts
P077	Compression mold press B-7 for fiberglass reinforced plastic parts
P078	Compression mold press B-8 for fiberglass reinforced plastic parts
P079	Compression mold press C-8 for fiberglass reinforced plastic parts
P080	Compression mold press C-9 for fiberglass reinforced plastic parts
P081	Compression mold press C-10 for fiberglass reinforced plastic parts
P082	Compression mold press D-2 for fiberglass reinforced plastic parts
P083	Compression mold press D-3 for fiberglass reinforced plastic parts
P084	Compression mold press O-1 for fiberglass reinforced plastic parts
P085	Compression mold press O-2 for fiberglass reinforced plastic parts
P086	Compression mold press O-3 for fiberglass reinforced plastic parts
P087	Compression mold press O-4 for fiberglass reinforced plastic parts
P088	Compression mold press O-5 for fiberglass reinforced plastic parts
P089	Compression mold press O-6 for fiberglass reinforced plastic parts
P090	Compression mold press O-7 for fiberglass reinforced plastic parts
P091	Compression mold press O-10 for fiberglass reinforced plastic parts
P092	Compression mold press O-11 for fiberglass reinforced plastic parts
P093	Compression mold press O-12 for fiberglass reinforced plastic parts
P094	Compression mold press O-13 for fiberglass reinforced plastic parts

EU ID	Operations, Property and/or Equipment Description
P095	Compression mold press O-14 for fiberglass reinforced plastic parts
P096	Compression mold press O-15 for fiberglass reinforced plastic parts
P097	Compression mold press O-16 for fiberglass reinforced plastic parts
P105	Compression mold press G-10 for fiberglass reinforced plastic parts
P108	Compression mold press O-17 for fiberglass reinforced plastic parts
P109	Compression mold press E-8 for fiberglass reinforced plastic parts
P110	Compression mold press E-9 for fiberglass reinforced plastic parts
P111	Compression mold press G-11 for fiberglass reinforced plastic parts

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) b)(1)c and b)(1)d

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	See B.2: facility-wide limit for volatile organic compounds (VOC) emissions.
b.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	VOC emissions shall not exceed the lbs/month and tpy emission limitations specified in b)(2)a. See b)(2)b.
c.	OAC rule 3745-31-05(A)(3)(b), as effective 12/01/06	See b)(2)c.
d.	OAC rule 3745-21-25	The work practice standards specified in Table 1 of this rule are equivalent the work practice standards established pursuant to 40 CFR Part 63, Subpart WWWW, Table 4. See b)(2)d and b)(2)e.
e.	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780-5935)	Work practice standard in Table 4 of Subpart WWWW. See b)(2)d.
f.	40 CFR Part 63.1 through 63.15	The General Provisions that apply are specified in Table 15 of 40 CFR Part 63, Subpart WWWW.

(2) Additional Terms and Conditions

- a. VOC emissions shall not exceed the lbs/month and tpy emission limitations specified below:

EU ID	Equipment Description	lbs VOC/month	TPY of VOC
P041	Compression mold press A-6	833	5.0
P042	Compression mold press B-6	833	5.0
P043	Compression mold press D-4	833	5.0
P044	Compression mold press D-6	833	5.0
P045	Compression mold press E-1	1166	7.0
P046	Compression mold press E-2	1166	7.0
P047	Compression mold press E-3	1166	7.0
P048	Compression mold press E-4	1166	7.0
P049	Compression mold press E-5	1166	7.0
P050	Compression mold press E-6	1166	7.0
P051	Compression mold press E-7	1166	7.0
P052	Compression mold press G-1	1650	9.9
P053	Compression mold press G-2	1650	9.9
P054	Compression mold press G-3	1650	9.9
P055	Compression mold press G-4	1650	9.9
P056	Compression mold press G-5	1650	9.9
P057	Compression mold press G-6	1650	9.9
P058	Compression mold press G-7	1650	9.9
P059	Compression mold press G-8	1650	9.9
P071	Compression mold press G-9	1650	9.9
P073	Compression mold press AA-6	833	5.0
P074	Compression mold press AA-7	833	5.0
P075	Compression mold press AA-8	833	5.0
P076	Compression mold press A-7	833	5.0
P077	Compression mold press B-7	833	5.0
P078	Compression mold press B-8	833	5.0
P079	Compression mold press C-8	833	5.0
P080	Compression mold press C-9	833	5.0
P081	Compression mold press C-10	833	5.0
P082	Compression mold press D-2	833	5.0
P083	Compression mold press D-3	833	5.0
P084	Compression mold press O-1	833	5.0
P085	Compression mold press O-2	833	5.0
P086	Compression mold press O-3	833	5.0
P087	Compression mold press O-4	833	5.0
P088	Compression mold press O-5	833	5.0
P089	Compression mold press O-6	833	5.0
P090	Compression mold press O-7	833	5.0
P091	Compression mold press O-10	833	5.0
P092	Compression mold press O-11	1650	9.9
P093	Compression mold press O-12	833	5.0
P094	Compression mold press O-13	833	5.0

EU ID	Equipment Description	lbs VOC/month	TPY of VOC
P095	Compression mold press O-14	833	5.0
P096	Compression mold press O-15	833	5.0
P097	Compression mold press O-16	833	5.0
P105	Compression mold press G-10	1650	9.9
P108	Compression mold press O-17	833	5.0
P109	Compression mold press E-8	1166	7.0
P110	Compression mold press E-9	1166	7.0
P111	Compression mold press G-11	1650	9.9

b. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limitations/control measures no longer apply.

c. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the volatile organic compound (VOC) emissions from this air contaminant source since the uncontrolled potential to emit for VOC is less than 10 tons/year.

d. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression molding machine.

e. In accordance with paragraph (A)(1) of OAC rule 3745-21-25, this facility is subject to requirements of OAC rule 3745-21-25. This emissions unit was installed prior to the effective date of the rule and must comply with the requirements of this rule twelve months from the affected date of the rule, which is December 14, 2010.

In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composites production operations at the facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) **Operational Restrictions**

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain the following monthly records for each emissions unit:

- a. the company identification for each BMC, TMC and SMC;
- b. pounds used of each BMC, TMC and SMC;
- c. the weight percent of available organic HAP used (e.g., styrene, vinyl toluene and/or methyl methacrylate) in each BMC, TMC and SMC; and
- d. the total VOC emission rate for all BMC, TMC and SMC used, as calculated by the following equation, in pounds per month:

$$\text{VOC} \left(\frac{\text{lbs}}{\text{month}} \right) = \sum_i^n \text{available organic HAP} \times \text{EF}$$

where:

i = pounds of available organic HAP input used for each BMC, TMC and SMC;

n = number of BMC, TMC and SMC used; and

EF = each emissions factor.

EF = 0.015 lb of VOC emissions emitted / lb of available organic HAP input (e.g., styrene, vinyl toluene and/or methyl methacrylate) as determined from emissions testing, conducted from August 11, 2008 and to September 4, 2008 at Premix, Inc.

(2) The permittee shall inspect each molding machine when in operation, and record the following information:

- a. the date and reason why any required inspection was not performed; and
- b. the date and all times when two or more charges were uncovered, unwrapped or exposed per mold cycle per compression molding machine.

e) Reporting Requirements

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

- a. each month when the VOC emissions exceeded the pounds per month limit for each emissions unit in b)(2)a, and the actual VOC emissions for each emissions unit for each such month.

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

- (2) The permittee must submit semiannual compliance reports:
- a. if there are no deviations from the work practice standard in b)(2)d, provide a statement that there were no deviations from this work practice standard during the reporting period (i.e., the facility had uncovered, unwrapped or exposed only one charge per mold cycle per compression molding machine); and
 - b. if there were deviations with the work practice standard in b)(2)d, provide the total operating time of each emissions unit during the reporting period and information on the number, duration, and cause of deviations (including unknown cause, if applicable), and the corrective action taken.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. These compliance reports shall be submitted to the Director (the Ohio EPA eBusiness Center, Air Services) by July 31 or January 31, respectively.

f) Testing Requirements

- (1) Compliance with the emission limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

EU ID	Equipment Description	lbs VOC/month	TPY of VOC
P041	Compression mold press A-6	833	5.0
P042	Compression mold press B-6	833	5.0
P043	Compression mold press D-4	833	5.0
P044	Compression mold press D-6	833	5.0
P045	Compression mold press E-1	1166	7.0
P046	Compression mold press E-2	1166	7.0
P047	Compression mold press E-3	1166	7.0
P048	Compression mold press E-4	1166	7.0
P049	Compression mold press E-5	1166	7.0
P050	Compression mold press E-6	1166	7.0
P051	Compression mold press E-7	1166	7.0
P052	Compression mold press G-1	1650	9.9
P053	Compression mold press G-2	1650	9.9
P054	Compression mold press G-3	1650	9.9
P055	Compression mold press G-4	1650	9.9
P056	Compression mold press G-5	1650	9.9
P057	Compression mold press G-6	1650	9.9
P058	Compression mold press G-7	1650	9.9
P059	Compression mold press G-8	1650	9.9
P071	Compression mold press G-9	1650	9.9
P073	Compression mold press AA-6	833	5.0
P074	Compression mold press AA-7	833	5.0
P075	Compression mold press AA-8	833	5.0
P076	Compression mold press A-7	833	5.0
P077	Compression mold press B-7	833	5.0

EU ID	Equipment Description	lbs VOC/month	TPY of VOC
P078	Compression mold press B-8	833	5.0
P079	Compression mold press C-8	833	5.0
P080	Compression mold press C-9	833	5.0
P081	Compression mold press C-10	833	5.0
P082	Compression mold press D-2	833	5.0
P083	Compression mold press D-3	833	5.0
P084	Compression mold press O-1	833	5.0
P085	Compression mold press O-2	833	5.0
P086	Compression mold press O-3	833	5.0
P087	Compression mold press O-4	833	5.0
P088	Compression mold press O-5	833	5.0
P089	Compression mold press O-6	833	5.0
P090	Compression mold press O-7	833	5.0
P091	Compression mold press O-10	833	5.0
P092	Compression mold press O-11	1650	9.9
P093	Compression mold press O-12	833	5.0
P094	Compression mold press O-13	833	5.0
P095	Compression mold press O-14	833	5.0
P096	Compression mold press O-15	833	5.0
P097	Compression mold press O-16	833	5.0
P105	Compression mold press G-10	1650	9.9
P108	Compression mold press O-17	833	5.0
P109	Compression mold press E-8	1166	7.0
P110	Compression mold press E-9	1166	7.0
P111	Compression mold press G-11	1650	9.9

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(1) of these terms and conditions.

g) Miscellaneous Requirements

- (1) None.

5. Emissions Unit Group - Extruders: P033, P034, P035, P036, P037,

EU ID	Operations, Property and/or Equipment Description
P033	Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 4
P034	Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 5
P035	Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 1
P036	Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 2
P037	Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 3

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) b)(1)c

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	See B.2: facility-wide limit for volatile organic compounds (VOC) emissions.
b.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	VOC emissions shall not exceed the lbs/month and tpy emission limitations listed in b)(2)a. See b)(2)b.
c.	OAC rule 3745-31-05(A)(3)(b), as effective 12/01/06	See b)(2)c.

(2) Additional Terms and Conditions

a. VOC emissions shall not exceed the lbs/month and tpy emission limitations specified below:

EU ID	Equipment Description	lbs VOC/month	TPY VOC
P033	extruder 4	500	3.0
P034	extruder 5	500	3.0
P035	extruder 1	500	3.0
P036	extruder 2	500	3.0
P037	extruder 3	500	3.0

- b. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limitations/control measures no longer apply.

- c. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the volatile organic compound (VOC) emissions from this air contaminant source since the uncontrolled potential to emit for VOC is less than 10 tons/year.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records for each emissions unit:

- a. the company identification for each BMC, TMC and SMC;
- b. pounds used of each BMC, TMC and SMC;
- c. the weight percent of available organic HAP used (e.g., styrene, vinyl toluene and/or methyl methacrylate) in each BMC, TMC and SMC; and
- d. the total VOC emission rate for all BMC, TMC and SMC used, as calculated by the following equation, in pounds per month:

$$\text{VOC} \left(\frac{\text{lbs}}{\text{month}} \right) = \sum_i^n \text{available organic HAP} \times \text{EF}$$

where:

i = pounds of available organic HAP input used for each BMC, TMC and SMC;

n = number of BMC, TMC and SMC used; and

EF = each emissions factor.

EF = 0.001 lb of VOC emissions emitted / lb of available organic HAP input (e.g., styrene, vinyl toluene and/or methyl methacrylate) as determined from engineering estimates.

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. each month when the VOC emissions exceeded the pounds per month limit for each emissions unit in b)(2)a, and the actual VOC emissions for each emissions unit for each such month.

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

f) Testing Requirements

- (1) Compliance with the emission limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:

EU ID	Equipment Description	lbs VOC/month	TPY VOC
P033	extruder 4	500	3.0
P034	extruder 5	500	3.0
P035	extruder 1	500	3.0
P036	extruder 2	500	3.0
P037	extruder 3	500	3.0

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(1) of these terms and conditions.

g) Miscellaneous Requirements

- (1) None.

6. Emissions Unit Group - Injection Mold Presses: P061, P062, P063, P064, P065, P066, P067, P098, P101, P102,

EU ID	Operations, Property and/or Equipment Description
P061	Injection mold press H-1 for fiberglass reinforced plastic parts
P062	Injection mold press H-2 for fiberglass reinforced plastic parts
P063	Injection mold press H-3 for fiberglass reinforced plastic parts
P064	Injection mold press H-4 for fiberglass reinforced plastic parts
P065	Injection mold press H-5 for fiberglass reinforced plastic parts
P066	Injection mold press H-6 for fiberglass reinforced plastic parts
P067	Injection mold press H-7 for fiberglass reinforced plastic parts
P098	Injection mold press H-10 for fiberglass reinforced plastic parts
P101	Injection mold press H-8 for fiberglass reinforced plastic parts
P102	Injection mold press H-12 for fiberglass reinforced plastic parts

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) b)(1)c and b)(1)d

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	See B.2: facility-wide limit for volatile organic compounds (VOC) emissions.
b.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	VOC emissions shall not exceed the lbs/month and tpy emission limitations specified in b)(2)a. See b)(2)b.
c.	OAC rule 3745-31-05(A)(3)(b), as effective 12/01/06	See b)(2)c.
d.	OAC rule 3745-21-25	The work practice standards specified in Table 1 of this rule are equivalent the work practice standards established pursuant to 40 CFR Part 63, Subpart WWWW, Table 4. See b)(2)d and b)(2)e.
e.	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780-5935)	Work practice standard in Table 4 of Subpart WWWW.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		See b)(2)d.
f.	40 CFR Part 63.1 through 63.15	The General Provisions that apply are specified in Table 15 of 40 CFR Part 63, Subpart WWWW.

(2) Additional Terms and Conditions

- a. VOC emissions shall not exceed the lbs/month and tpy emission limitations specified below:

EU ID	Equipment Description	Lbs VOC/month	TPY VOC
P061	Injection mold press H-1	1166	7.0
P062	Injection mold press H-2	1166	7.0
P063	Injection mold press H-3	1166	7.0
P064	Injection mold press H-4	1166	7.0
P065	Injection mold press H-5	1166	7.0
P066	Injection mold press H-6	1166	7.0
P067	Injection mold press H-7	1166	7.0
P098	Injection mold press H-10	1166	7.0
P101	Injection mold press H-8	1166	7.0
P102	Injection mold press H-12	1166	7.0

- b. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limitations/control measures no longer apply.

- c. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the volatile organic compound (VOC) emissions from this air contaminant source since the uncontrolled potential to emit for VOC is less than 10 tons/year.

- d. The permittee shall uncover, unwrap or expose only one charge per mold cycle per injection molding machine. For machines fed by hoppers, sufficient material

may be uncovered to fill the hopper. Hoppers shall be closed when not adding materials.

- e. In accordance with paragraph (A)(1) of OAC rule 3745-21-25, this facility is subject to requirements of OAC rule 3745-21-25. This emissions unit was installed prior to the effective date of the rule and must comply with the requirements of this rule twelve months from the affected date of the rule, which is December 14, 2010.

In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composites production operations at the facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain the following monthly records for each emissions unit:

- a. the company identification for each BMC, TMC and SMC;
- b. pounds used of each BMC, TMC and SMC;
- c. the weight percent of available organic HAP used (e.g., styrene, vinyl toluene and/or methyl methacrylate) in each BMC, TMC and SMC; and
- d. the total VOC emission rate for all BMC, TMC and SMC used, as calculated by the following equation, in pounds per month:

$$\text{VOC} \left(\frac{\text{lbs}}{\text{month}} \right) = \sum_i^n \text{available organic HAP} \times \text{EF}$$

where:

i = pounds of available organic HAP input used for each BMC, TMC and SMC;

n = number of BMC, TMC and SMC used; and

EF = each emissions factor.

EF = 0.015 lb of VOC emissions emitted / lb of available organic HAP input (e.g., styrene, vinyl toluene and/or methyl methacrylate) as determined from emissions testing, conducted from August 11, 2008 and to September 4, 2008 at Premix, Inc.

- (2) The permittee shall inspect each injection molding machine when in operation, and record the following information:

- a. the date and reason why any required inspection was not performed; and

- b. the date and all times when two or more charges were uncovered, unwrapped or exposed per mold cycle per injection mold machine; or date and all times when the cover of the hopper was not closed at all times other than when adding materials per injection mold machine.

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. each month when the VOC emissions exceeded the pounds per month limit for each emissions unit in b)(2)a, and the actual VOC emissions for each emissions unit for each such month.

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

- (2) The permittee must submit semiannual compliance reports:
 - a. if there are no deviations from the work practice standard in b)(2)d, provide a statement that there were no deviations from this work practice standard during the reporting period (i.e., the facility had uncovered, unwrapped or exposed only one charge per mold cycle per injection mold machine; or covers on hoppers were closed at all times other than when adding materials); and
 - b. if there were deviations with the work practice standard in b)(2)d, provide the total operating time of each emissions unit during the reporting period and information on the number, duration, and cause of deviations (including unknown cause, if applicable), and the corrective action taken.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. These compliance reports shall be submitted to the Director (the Ohio EPA eBusiness Center, Air Services) by July 31 or January 31, respectively.

f) Testing Requirements

- (1) Compliance with the emission limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

EU ID	Equipment Description	Lbs VOC/month	TPY VOC
P061	Injection mold press H-1	1166	7.0
P062	Injection mold press H-2	1166	7.0
P063	Injection mold press H-3	1166	7.0
P064	Injection mold press H-4	1166	7.0
P065	Injection mold press H-5	1166	7.0
P066	Injection mold press H-6	1166	7.0
P067	Injection mold press H-7	1166	7.0
P098	Injection mold press H-10	1166	7.0

EU ID	Equipment Description	Lbs VOC/month	TPY VOC
P101	Injection mold press H-8	1166	7.0
P102	Injection mold press H-12	1166	7.0

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(1) of these terms and conditions.

g) Miscellaneous Requirements

(1) None.

7. Emissions Unit Group - Mixers I: P010, P011,

EU ID	Operations, Property and/or Equipment Description
P010	Thermoplastic additive disperser C-O
P011	Thickener disperser C-1

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) b)(1)c and b)(1)d

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	See B.2: facility-wide limit for volatile organic compounds (VOC) emissions.
b.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	VOC emissions shall not exceed the lbs/month and tpy emission limitations specified in b)(2)a. See b)(2)b.
c.	OAC rule 3745-31-05(A)(3)(b), as effective 12/01/06	See b)(2)c.
d.	OAC rule 3745-21-25	The work practice standards specified in Table 1 of this rule are equivalent the work practice standards established pursuant to 40 CFR Part 63, Subpart WWWW, Table 4. See b)(2)d.i - b)(2)d.iii and b)(2)e.
e.	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780-5935)	Work practice standards in Table 4 of Subpart WWWW. See b)(2)d.i through b)(2)d.iii.
f.	40 CFR Part 63.1 through 63.15	The General Provisions that apply are specified in Table 15 of 40 CFR Part 63, Subpart WWWW.

(2) Additional Terms and Conditions

- a. VOC emissions shall not exceed the lbs/month and tpy emission limitations specified below:

EU ID	Equipment Description	lbs VOC/month	TPY VOC
P010	Thermoplastic additive disperser C-O	833	5.0
P011	Thickener disperser C-1	833	5.0

- b. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limitations/control measures no longer apply.
- c. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.
- The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the volatile organic compound (VOC) emissions from this air contaminant source since the uncontrolled potential to emit for VOC is less than 10 tons/year.
- d. The permittee shall meet the following work practice standards:
- i. use mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation;
 - ii. close any mixer vents when actual mixing is occurring, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety; and
 - iii. keep the mixer covers closed while actual mixing is occurring except when adding materials or changing covers to the mixing vessels.
- e. In accordance with paragraph (A)(1) of OAC rule 3745-21-25, this facility is subject to requirements of OAC rule 3745-21-25. This emissions unit was installed prior to the effective date of the rule and must comply with the requirements of this rule twelve months from the affected date of the rule, which is December 14, 2010.

In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composites production operations at the facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain the following monthly records for each emissions unit:

- a. the company identification for each resin mix;
- b. pounds of each resin mix produced;
- c. the weight percent of available organic HAP (e.g., styrene, vinyl toluene and/or methyl methacrylate) for each resin mix produced; and
- d. the total VOC emission rate for all resin mix produced, as calculated by the following equation, in pounds per month:

$$\text{VOC} \left(\frac{\text{lbs}}{\text{month}} \right) = \sum_i^n \text{available organic HAP} \times \text{EF}$$

where:

i = pounds of available organic HAP in each resin mix produced;

n = number of resin mix produced; and

EF = each emissions factor.

EF = 0.000292 lb of VOC emissions emitted / lb of available organic HAP input (e.g., styrene, vinyl toluene and/or methyl methacrylate) as determined from emissions testing for P012, conducted on June 11, 1998.

- (2) The permittee shall inspect each mixer when resin is present in the mixing vessel, and record the following information:

- a. the date and reason why any required inspection was not performed;
- b. the date and all times the mixer cover was not closed over the mixing vessel, when actual mixing is occurring, except when adding materials or changing covers to the mixing vessel;
- c. the date and all times the mixer vents were not closed over the mixing vessel, when actual mixing is occurring, except that venting is allowed during additions of materials, or as necessary prior to adding materials or opening the cover for safety; and



- d. the date and all times when visible gaps were present in the mixer cover, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation when the mixer cover was properly employed.

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify the following:
a. each month when the VOC emissions exceeded the pounds per month limit for each emissions unit in b)(2)a, and the actual VOC emissions for each emissions unit for each such month.

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

- (2) The permittee must submit semiannual compliance reports:
a. if there are no deviations from the work practice standards in b)(2)d.i - b)(2)d.iii, provide a statement that there were no deviations from each of the those work practice standards during the reporting period (i.e., (1) used mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch were permissible around mixer shafts and any required instrumentation; (2) closed any mixer vents when actual mixing was occurring, except that venting was allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety; and (3) kept the mixer covers closed while actual mixing was occurring except when adding materials or changing covers to the mixing vessels.); and
b. if there were deviations with the work practice standards in b)(2)d.i - b)(2)d.iii, provide the total operating time of the emissions unit during the reporting period and information on the number, duration, and cause of deviations (including unknown cause, if applicable), and the corrective action taken.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. These compliance reports shall be submitted to the Director (the Ohio EPA eBusiness Center, Air Services) by July 31 or January 31, respectively.

f) Testing Requirements

- (1) Compliance with the emission limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:
a. Emission Limitation:

Table with 4 columns: EU ID, Equipment Description, lbs VOC/month, TPY VOC. Rows include P010 (Thermoplastic additive disperser C-O) and P011 (Thickener disperser C-1).

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(1) of these terms and conditions.

- g) Miscellaneous Requirements
 - (1) None.



8. Emissions Unit Group - Mixers II: P012, P013, P014, P015, P016, P017, P018, P021, P022, P023, P024, P025, P026, P027, P028, P099, P100,

EU ID	Operations, Property and/or Equipment Description
P012	Resin paste disperser C-2
P013	Resin paste disperser C-3
P014	Resin paste disperser C-4
P015	Resin paste disperser C-5
P016	Resin paste disperser C-6
P017	Resin paste disperser C-7
P018	Resin paste disperser C-8
P021	BMC Sigma mixer 1
P022	BMC mixer 2
P023	BMC mixer 3
P024	BMC mixer 4
P025	BMC mixer 5
P026	BMC mixer 6
P027	BMC Continuous Mixer 1 & 2
P028	Two pilot plant dispersers for BMC
P099	BMC mixer 7
P100	Readco BMC Mixer

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) b)(1)c, b)(1)d and b)(1)g

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	See B.2: facility-wide limit for volatile organic compounds (VOC) emissions.
b.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	VOC emissions shall not exceed the lbs/month and tpy emission limitations specified in b)(2)a. See b)(2)b.
c.	OAC rule 3745-31-05(A)(3)(b), as effective 12/01/06	See b)(2)c.
d.	OAC rule 3745-31-05(E) effective 12/01/06	See b)(2)d and b)(2)e.
e.	OAC rule 3745-17-11	The emission limitation required by this

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(E).
f.	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
g.	OAC rule 3745-21-25	The work practice standards specified in Table 1 of this rule are equivalent to the work practice standards established pursuant to 40 CFR Part 63, Subpart WWWW, Table 4. See b)(2)f.i through b)(2)f.iii and b)(2)g.
h.	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780-5935)	Work practice standards in Table 4 of Subpart WWWW. See b)(2)f.i through b)(2)f.iii.
i.	40 CFR Part 63.1 through 63.15	The General Provisions that apply are specified in Table 15 of 40 CFR Part 63, Subpart WWWW.

(2) Additional Terms and Conditions

- a. VOC emissions shall not exceed the lbs/month and tpy emission limitations specified below:

EU ID	Equipment Description	lbs VOC/month	TPY VOC
P012	Resin paste disperser C-2	667	4.0
P013	Resin paste disperser C-3	667	4.0
P014	Resin paste disperser C-4	667	4.0
P015	Resin paste disperser C-5	667	4.0
P016	Resin paste disperser C-6	333	2.0
P017	Resin paste disperser C-7	333	2.0
P018	Resin paste disperser C-8	333	2.0
P021	BMC Sigma mixer 1	1650	9.9
P022	BMC mixer 2	1650	9.9
P023	BMC mixer 3	1650	9.9
P024	BMC mixer 4	1650	9.9
P025	BMC mixer 5	833	5.0
P026	BMC mixer 6	833	5.0
P027	BMC continuous mixer 1 & 2	833	5.0
P028	Two pilot plant dispersers for BMC	166	1.0
P099	BMC mixer 7	166	1.0
P100	Readco BMC Mixer	833	5.0

- b. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limitations/control measures no longer apply.
- c. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the volatile organic compound (VOC) emissions from this air contaminant source since the uncontrolled potential to emit for VOC is less than 10 tons/year.
- d. Permit to Install P0105804 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment), as proposed by the permittee, for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):
 - i. use baghouse to control particulate emissions; and
 - ii. particulate emissions (PE) shall not exceed 0.01 gr/dscf from the exhaust of the stack from the baghouse.
- e. The emissions from the emissions units listed above shall be vented to the baghouse when one or more of the emissions units are in operation.
- f. The permittee shall meet the following work practice standards:
 - i. use mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation;
 - ii. close any mixer vents when actual mixing is occurring, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety; and
 - iii. keep the mixer covers closed while actual mixing is occurring except when adding materials or changing covers to the mixing vessels.
- g. In accordance with paragraph (A)(1) of OAC rule 3745-21-25, this facility is subject to requirements of OAC rule 3745-21-25. This emissions unit was installed prior to the effective date of the rule and must comply with the

requirements of this rule twelve months from the affected date of the rule, which is December 14, 2010.

In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composites production operations at the facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain monthly records for each emissions unit:

- a. the company identification for each resin mix;
- b. pounds of each resin mix produced;
- c. the weight percent of available organic HAP (e.g., styrene, vinyl toluene and/or methyl methacrylate) for each resin mix produced; and
- d. the total VOC emission rate for all resin mix produced, as calculated by the following equation, in pounds per month:

$$\text{VOC} \left(\frac{\text{lbs}}{\text{month}} \right) = \sum_i^n \text{available organic HAP} \times \text{EF}$$

where:

i = pounds of available organic HAP in each resin mix produced;

n = number of resin mix produced; and

EF = each emissions factor.

EF = 0.000292 lb of VOC emissions emitted / lb of available organic HAP input (e.g., styrene, vinyl toluene and/or methyl methacrylate) as determined from emissions testing for P012, conducted on June 11, 1998. Use EF for emissions units P014, P015 and P028.

EF = 0.0125 lb of VOC emissions emitted / lb of available organic HAP input (e.g., styrene, vinyl toluene and/or methyl methacrylate) as determined from emissions testing for P022, conducted on September 18, 1997. Use EF for emissions units P021.

EF = 0.001 lb of VOC emissions emitted / lb of available organic HAP input (e.g., styrene, vinyl toluene and/or methyl methacrylate) as determined from engineering estimates. Use EF for emissions units P025 through P027 and P099.

- (2) In order to maintain compliance with the applicable emission limitations contained in this permit, the acceptable range established for the pressure drop across the baghouse is between 1 to 3 inches of water.
- (3) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on daily basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.

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

- a. the date and time the deviation began;
- b. the magnitude of the deviation at that time;
- c. the date the investigation was conducted;
- d. the name(s) of the personnel who conducted the investigation; and
- e. the findings and recommendations.

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

- a. a description of the corrective action;
- b. the date corrective action was completed;
- c. the date and time the deviation ended;
- d. the total period of time (in minutes) during which there was a deviation;
- e. the pressure drop readings immediately after the corrective action was implemented; and
- f. the name(s) of the personnel who performed the work.

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

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the Ohio EPA Northeast District Office. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

- (4) The permittee shall inspect each mixer when resin is present in the mixing vessel, and record the following information:
- a. the date and reason why any required inspection was not performed;
 - b. the date and all times the mixer cover was not closed over the mixing vessel, when actual mixing is occurring, except when adding materials or changing covers to the mixing vessel;
 - c. the date and all times the mixer vents were not closed over the mixing vessel, when actual mixing is occurring, except that venting is allowed during additions of materials, or as necessary prior to adding materials or opening the cover for safety; and
 - d. the date and all times when visible gaps were present in the mixer cover, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation when the mixer cover was properly employed.

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify the following:
- a. each period of time (start time and date, and end time and date) when the pressure drop across the baghouse was outside of the range specified by the manufacturer and outside of the acceptable range following any required compliance demonstration;
 - b. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the baghouse;
 - c. each incident of deviation described in "a" (above) where a prompt investigation was not conducted;
 - d. each incident of deviation described in "a" where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and
 - e. each incident of deviation described in "a" where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit.

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

- (2) The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. each month when the VOC emissions exceeded the pounds per month limit for each emissions unit in b)(2)a, and the actual VOC emissions for each emissions unit for each such month.

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

- (3) The permittee must submit the following semiannual compliance reports:
 - a. if there are no deviations from the work practice standards in b)(2)f.i through b)(2)f.iii, provide a statement that there were no deviations from each of the those work practice standards during the reporting period (i.e., (1) used mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch were permissible around mixer shafts and any required instrumentation; (2) closed any mixer vents when actual mixing was occurring, except that venting was allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety; and (3) kept the mixer covers closed while actual mixing was occurring except when adding materials or changing covers to the mixing vessels.); and
 - b. if there were deviations with the work practice standards in b)(2)f.i through b)(2)f.iii, provide the total operating time of the emissions unit during the reporting period and information on the number, duration, and cause of deviations (including unknown cause, if applicable), and the corrective action taken.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. These compliance reports shall be submitted to the Director (the Ohio EPA eBusiness Center, Air Services) by July 31 or January 31, respectively.

f) **Testing Requirements**

- (1) Compliance with the emission limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:

EU ID	Equipment Description	lbs VOC/month	TPY VOC
P012	Resin paste disperser C-2	667	4.0
P013	Resin paste disperser C-3	667	4.0
P014	Resin paste disperser C-4	667	4.0
P015	Resin paste disperser C-5	667	4.0
P016	Resin paste disperser C-6	333	2.0
P017	Resin paste disperser C-7	333	2.0
P018	Resin paste disperser C-8	333	2.0

EU ID	Equipment Description	lbs VOC/month	TPY VOC
P021	BMC Sigma mixer 1	1650	9.9
P022	BMC mixer 2	1650	9.9
P023	BMC mixer 3	1650	9.9
P024	BMC mixer 4	1650	9.9
P025	BMC mixer 5	833	5.0
P026	BMC mixer 6	833	5.0
P027	BMC continuous mixer 1 & 2	833	5.0
P028	Two pilot plant dispersers for BMC	166	1.0
P099	BMC mixer 7	166	1.0
P100	Readco BMC Mixer	833	5.0

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(1) of these terms and conditions.

b. Emission Limitation:

PE shall not exceed 0.01 gr/dscf from the exhaust stack of the baghouse.

Applicable Compliance Method:

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

c. Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

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

g) Miscellaneous Requirements

(1) None.

9. Emissions Unit Group - SMC & TMC machines, RTO: P029, P030, P031,

EU ID	Operations, Property and/or Equipment Description
P029	Thick mold compound (TMC) machine
P030	Sheet mold compound (SMC) machine 1
P031	Sheet mold compound (SMC) machine 2

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) b)(1)d, b)(1)e, b)(1)f and b)(1)g

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	See B.2: facility-wide limit for volatile organic compounds (VOC) emissions.
b.	OAC rule 3745-31-05(D)	An emission control system (ECS), equipped with a permanent total enclosure for each emissions unit and a regenerative thermal oxidizer (RTO), shall reduce VOC emissions from each emissions unit (P029, P030 and P031) by at least 95% by weight (i.e., an overall control efficiency of at least ninety-five per cent by weight). See b)(2)a through b)(2)d and c)(1) through c)(5).
c.	OAC rule 3745-21-07(G)(2)	The emission limitation required by this applicable rule is less stringent than the emission limitation in b)(1)b established pursuant to OAC rule 3745-31-05(D). See b)(2)e.
d.	OAC rules 3745-21-07(M)(2), 3745-21-07(M)(3)(a) and 3745-21-07(M)(3)(b)	Not subject to rules per OAC rules 3745-21-07(M)(3)(c)(iii). Emissions units P029, P030 and P031 are subject to and complying with the best available technology requirements in b)(1)b, pursuant to OAC rule 3745-31-05

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		that specifies an overall control efficiency for VOC emissions that is greater than eighty-five per cent, by weight.
e.	OAC rule 3745-21-07(M)(3)(g)	<p>The provisions of paragraph (M)(3)(g) of OAC rule 3745-21-07 shall not apply to emissions units P029, P030, and P031, when complying with all work practice standards as specified in OAC rule 3745-21-07(M)(5)(h).</p> <p>See b)(2)f.i and b)(2)f.ii.</p>
f.	OAC rule 3745-21-25	<p>The work practice standards specified in OAC rule 3745-21-07(M)(5)(h) are equivalent to the work practice standards established pursuant to OAC rule 3745-21-25, Table 1.</p> <p>See b)(2)f.i, b)(2)f.ii and b)(2)g.</p>
g.	OAC rules 3745-21-25(D)(8) and 3745-21-25(D)(10)	<p>These rules shall apply, in the event, any emissions unit (P029, P030 or P031) emits 25 tons or more of uncontrolled VOC emissions per rolling, 12-month period, as specified in OAC rule 3745-21-25(D)(9).</p> <p>(uncontrolled VOC emissions shall be determined without the use of the ECS.)</p>
h.	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780-5935)	<p>The work practice standards specified in OAC rule 3745-21-07(M)(5)(h) are equivalent the work practice standards established pursuant to 40 CFR Part 63, Subpart WWWW, Table 4.</p> <p>See b)(2)f.i and b)(2)f.ii.</p>
i.	40 CFR Part 63.1 through 63.15	The General Provisions that apply are specified in Table 15 of 40 CFR Part 63, Subpart WWWW.

(2) Additional Terms and Conditions

- a. A permanent total enclosure shall be constructed to totally enclose each emissions unit such that all VOC emissions are captured, contained, and directed to the RTO. Each permanent total enclosure shall be designed to meet the requirements of U.S. EPA Reference Method 204 in 40 CFR Part 51, Appendix M.

b. Each permanent total enclosure shall be maintained under negative pressure whenever an emissions unit is in operation, and shall be designed and maintained to have an average facial velocity of air through each natural draft opening of at least 200 feet per minute (3,600 m/hr). Compliance with the average facial velocity shall be demonstrated during the compliance test, by either using an air flow monitor or a differential pressure gauge at each natural draft opening, and maintaining the required facial velocity or the corresponding negative pressure. Each permanent total enclosure shall meet all of the following criteria if the capture efficiency of the enclosure and control device is to be assumed to be 100%:

i. Any natural draft opening shall be at least four equivalent opening diameters, or 4 times the diameter of the opening, from each VOC emitting point. An equivalent diameter is the diameter of a circle that has the same area as the opening. If the opening is not circular the equivalent diameter (ED) is calculated as follows:

$$ED = (4 \text{ area}/\pi)^{0.5}$$

ii. The total area of all natural draft openings (A_N) shall not exceed 5 percent of the total surface area of the enclosure (A_T), i.e, the four walls, floor, and ceiling. The natural draft opening to enclosure area ratio (NEAR) is calculated as follows:

$$NEAR = A_N / A_T$$

iii. The direction of air flow through all natural draft openings shall be into the enclosure, with an average facial velocity of no less than 200 feet per minute (3,600 m/hr) or a pressure drop of 0.013 mm Hg (0.007 in. H₂O).

iv. All access doors and windows to the enclosure that do not meet the requirements of a natural draft opening and whose surface areas are not included in the 5 percent surface area determination in b)(2)b, shall be completely closed to any air movement during process operations.

v. All VOC emissions shall be captured and contained for discharge through the RTO.

c. Each permanent total enclosure serving an emissions unit shall be maintained in such a manner as to meet the criteria established for a permanent total enclosure in 40 CFR, Part 51, Appendix M, Reference Method 204, and shall capture all of the VOC emissions from each emissions unit.

d. All of the VOC emissions from each emissions unit shall be vented to the RTO that shall meet the operational, monitoring, and record keeping requirements of this permit, when any emissions unit is in operation.

e. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until

the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio. The following terms and conditions shall become void after U.S. EPA approves the rule revision: b)(1)c.

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan. The following terms shall become federally enforceable after U.S. EPA approves the rule revision: b)(1)d and b)(1)e.

- f. The permittee shall meet the following work practice standards:
 - i. The resin delivery system to the doctor box on the sheet molding compound manufacturing machine must be closed or covered (the doctor box itself may be open). A doctor box is defined as the box or trough on a sheet molding compound manufacturing machine into which the liquid resin paste is delivered before it is metered onto the carrier film.; and
 - ii. A nylon containing film must be used to enclose the sheet molding compound.
- g. In accordance with paragraph (A)(1) of OAC rule 3745-21-25, this facility is subject to the requirements of OAC rule 3745-21-25. This emissions unit was installed prior to the effective date of the rule and must comply with the requirements of this rule 12 months from the effective date of the rule, which is December 14, 2010.

In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composites production operations at the facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

(1) Natural Draft Opening:

Each permanent total enclosure shall be maintained under negative pressure, with an average facial velocity at each natural draft opening of 200 feet per minute (3,600 m/hr) or greater, whenever any emissions unit is in operation.

(2) Natural Draft Opening:

Each permanent total enclosure shall be maintained under negative pressure whenever any emissions unit is in operation. Negative pressure shall be visually monitored using streamers, plastic flow indicating strips, string, or other visually noticeable flow indicating device that shows the direction of air flow through each natural draft opening to be into the enclosure.

(3) Control System Parameter:

In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable combustion temperature within the RTO, during any period of time when any emissions unit controlled by the RTO is in operation, shall not be less than 1,500 degrees Fahrenheit as a rolling, 3-hour average.

(4) Control System Parameter:

In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable range of hertz of the fan to maintain flow to the RTO, during any period of time when any emissions unit controlled by the RTO is in operation, shall be between 35 to 55 hertz as a rolling, 3-hour average.

(5) Control System Parameter:

In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable range established for the pressure drop at the inlet of the RTO (fan inlet pressure) during any period of time when any emissions unit controlled by the RTO is in operation, shall be between -3.5 to -5.5 inches of water as a rolling, 3-hour average.

d) Monitoring and/or Recordkeeping Requirements

(1) Permanent total enclosure design criteria:

The permittee shall measure, document/calculate, and maintain a permanent record of the following information for the permanent total enclosure, which may be the same record documented during the compliance test(s):

- a. the measured diameter of each natural draft opening;
- b. the distance measured from each natural draft opening to each VOC emitting point;
- c. the total calculated surface area of all natural draft openings and the surface area of the enclosure's four walls, floor, and ceiling;
- d. the calculation or demonstration that the distance from each VOC emitting point to each natural draft opening is at least 4 times the diameter of the opening; and
- e. the calculation demonstrating that the sum of the surface areas of all of the natural draft openings to the enclosure is not more than 5 percent of the sum of the surface areas of the enclosure's four walls, floor, and ceiling.

(2) Daily and weekly monitoring of permanent total enclosures:

The permittee shall perform daily inspections, within 30-minutes of beginning operation of any emissions unit, of the permanent total enclosure to ensure that all access doors and windows that are not natural draft openings are closed, and that the direction of air at each natural draft opening is inward, as shown by streamers, smoke tubes, tracer gases, and/or other air flow monitoring devices.

Using a portable air flow meter, the permittee shall perform weekly facial velocity checks at each natural draft opening to the permanent total enclosure, to determine if the average facial velocity at each opening is maintained at 200 feet per minute or greater.

Records shall be maintained of the results of each daily inspection and the weekly air velocity measurements, and shall include any corrective actions taken by the permittee.

(3) Continuous monitoring of temperature of RTO:

The permittee shall properly install, operate, and maintain continuous temperature monitors and recorder(s) that measure and record(s) the combustion temperature within the RTO when any emissions unit P029, P030, or P031 (TMC, SMC 01, or SMC02) is in operation, including periods of startup and shutdown. The permittee shall record the combustion temperature on a continuous basis.

The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall maintain records relating to calibration, operation and maintenance of monitoring equipment.

All records shall be maintained at the facility for a period of no less than 5 years.

(4) Continuous monitoring of RTO fan:

The permittee shall properly install, operate, and maintain a device that continuously monitors and records the hertz, on a rolling, 3-hour average basis, of the fan used to control flow to the RTO when any emissions unit P029, P030, or P031 (TMC, SMC 01, or SMC02) is in operation. The permittee shall record the hertz on a continuous basis.

The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall maintain records relating to calibration, operation and maintenance of monitoring equipment.

All records shall be maintained at the facility for a period of no less than 5 years.

(5) Continuous monitoring of pressure at RTO inlet:

The permittee shall properly install, operate, and maintain a device that continuously monitors and records, on a rolling, 3-hour average basis, the pressure drop at the inlet of the RTO when any emissions units P029, P030, or P031 (TMC, SMC 01, or SMC02) is in operation. The permittee shall record the pressure drop on a continuous basis.

The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall maintain records relating to calibration, operation and maintenance of monitoring equipment.

The monitoring equipment shall be equipped with an alarm. In the event the pressure at the inlet of the RTO is less than 3.5 inches of water or greater than 5.5 inches of water as a rolling 3-hour average, the monitoring device shall trigger its alarm.

All records shall be maintained at the facility for a period of no less than 5 years.

(6) Monthly VOC emissions monitoring:

The permittee shall maintain the following monthly records for this emissions unit:

- a. hours of operation; and
- b. the total VOC emission rate for all resin mix produced, as calculated by the following equation, in pounds per month:

$$\text{VOC} \left(\frac{\text{lbs}}{\text{month}} \right) = \text{hours of operation} \times \text{ER} \times (1 - \text{CE})$$

where:

CE = control efficiency of 0.9720 as determined from emissions testing for P030, conducted on November 5-6, 2009; or use most current CE as determined from emissions testing.

P029 TMC ER = emission rate of 26.88 lbs VOC/hr, which is equivalent to 26.88 lbs OC/hr, as determined from emissions testing for P029, conducted on July 27, 2006; or use most current ER as determined from emissions testing.

P030 SMC01 ER = emission rate of 3.76 lbs VOC/hr, which is equivalent to 3.76 lbs OC/hr, as determined from emissions testing for P030, conducted on December 11, 2006; or use most current ER as determined from emissions testing.

P031 SMC02 ER = emission rate of 5.77 lbs VOC/hr, which is equivalent to 5.77 lbs OC/hr, as determined from the ANSI standard for the production of SMC:

$$\text{ER} = 0.1457 \text{ At} - 0.1454$$

where:

ER = VOC emission rate, lb/hr, when paste is on the line;

At = Total wet area of SMC machine = Adl + Adu + W*(LI+Lu);

Adl = open area of the lower doctor box, ft²;

Adu = open area of the upper doctor box, ft²;

W = wet width of SMC, ft;

LI = Lower wet length, ft; and

Lu = Upper wet length, ft.

If emissions testing is required, use most current ER as determined from emissions testing instead of the ANSI emissions factor of 5.77 lbs VOC /hr.

(7) Work practice standards monitoring:

The permittee shall inspect each emissions unit when resin is present in the resin delivery system, and record the following information:

- a. the date and reason why any required inspection was not performed;
- b. the date and all times the resin delivery system to the doctor box was not closed or covered, when resin was present in the resin delivery system (the doctor box itself may be open); and
- c. the date and all times when nylon containing film was not used to enclose the SMC/TMC.

e) Reporting Requirements

(1) The permittee shall submit quarterly reports that identify the following:

- a. State whether the ECS operated at all times during the reporting period when an emissions unit was also operating.

In the event that the ECS did not operate when an emissions unit was operating, include the following information with respect to each such event:

- i. identify the beginning and end date for when an emissions unit operated without the ECS also operating;
 - ii. identify the likely cause for why the ECS did not operate;
 - iii. explain the corrective measures taken, or to be taken, to restore operation of the ECS, limit VOC emissions during the ECS outage, and prevent such an outage from occurring again in the future; and
 - iv. identify each emissions unit that operated during the ECS outage and, for each such unit, identify the amount of throughput processed during the ECS outage.
- b. State whether each monitoring/recording device (continuous temperature monitor and recorder, continuous monitor and recorder of RTO fan, continuous monitor and recorder of pressure at RTO inlet) operated whenever an emissions unit operated, and state whether each such device was properly calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

In the event a monitoring/recording device (i) failed to operate when an emissions unit operated or (ii) failed to be properly calibrated, operated or maintained in accordance with the manufacturer's recommendations, instructions and operating manuals, the permittee shall provide the following information with respect to each such event:

- i. identify the beginning and end dates of the event;
 - ii. identify the monitoring/recording device and explain the likely cause for why it (1) failed to operate or (2) failed to be calibrated, operated or maintained in accordance with the manufacturer's recommendations, instructions and operating manuals; and
 - iii. explain the corrective measures taken, or to be taken, to restore operation of the device and ensure that it is calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
- c. State whether the permittee complied with each Control System Parameter in c)(3), c)(4) and c)(5) of this permit.

In the event that the permittee did not comply with a Control System Parameter, the permittee shall provide the following information with respect to each such event:

- i. identify the beginning and end dates of the event;
 - ii. identify the Control System Parameter and the lowest recorded measurement for each day during the non-compliance;
 - iii. explain the likely cause for the non-compliance;
 - iv. explain the corrective measures taken, or to be taken, to restore compliance with the Control System Parameter, limit VOC emissions during the period of non-compliance, and ensure that such non-compliance does not occur in the future; and
 - v. identify each emissions unit that operated during the period of non-compliance and, for each such unit, identify throughput processed during the period of non-compliance.
- d. State whether the daily inspections of each permanent total enclosure showed that (1) access doors and windows (not including Natural Draft Openings) were closed during the operation of an emissions unit and (2) that the direction of air flow at each Natural Draft Opening was inward.

In the event that the inspections showed that (1) an access door or window (not including Natural Draft Openings) was left open on a permanent total enclosure during the operation of an emissions unit or (2) that air flow was not moving inward at a Natural Draft Opening, permittee shall provide the following information with respect to each such event:

- i. identify the date of the event;
- ii. identify the emissions unit and explain the nature of the event, including an estimate of the duration of time of the event;
- iii. explain the likely cause of the event; and

- iv. explain the corrective measures taken, or to be taken, to correct the problem and ensure that it is not repeated in the future.
- e. State whether the weekly inspections of each permanent total enclosure showed that the facial air velocity at each Natural Draft Opening was maintained at 200 feet per minute or greater when each emissions unit was operating.

In the event that an inspection showed a facial air velocity at a Natural Draft Opening was less than 200 feet per minute when an emissions unit was operating, Defendant shall provide the following information with respect to each such event:

- i. identify the date of the event;
- ii. identify the emissions unit involved and state the lowest air facial velocity detected during the event;
- iii. explain the likely cause of the decrease in air facial velocity; and
- iv. explain the corrective measures taken, or to be taken, to restore facial air velocity to 200 feet per minute (or greater) and ensure that facial air velocity does not drop below this level in the future.

The quarterly reports shall be submitted to the Director (the Ohio EPA eBusiness Center, Air Services) by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September).

(2) The permittee must submit semiannual compliance reports:

- a. if there are no deviations from the work practice standards in b)(2)f.i and b)(2)f.ii, provide a statement that there were no deviations from each of the those work practice standards during the reporting period (i.e., the resin delivery system to the doctor box was closed or covered for the reporting period and a nylon containing film was used to enclose SMC/TMC for the reporting period); and
- b. if there were deviations with the work practice standards in b)(2)f.i and b)(2)f.ii, provide the total operating time of the emissions unit during the reporting period and information on the number, duration, and cause of deviations (including unknown cause, if applicable), and the corrective action taken.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. These compliance reports shall be submitted to the Director (the Ohio EPA eBusiness Center, Air Services) by July 31 or January 31, respectively.

f) Testing Requirements

- (1) Compliance with the emission limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

100% capture of VOC emissions.

Applicable Compliance Method:

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 2 and 204, or other approved methods as appropriate.

b. Emission Limitation:

RTO shall reduce VOC emissions from each emissions unit (P029, P030 and P031) by at least 95% by weight.

Applicable Compliance Method:

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, 25A, or other approved methods as appropriate.

g) Miscellaneous Requirements

(1) None.