



State of Ohio Environmental Protection Agency

**RE: DRAFT PERMIT TO INSTALL  
ASHTABULA COUNTY**

**CERTIFIED MAIL**

Street Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:  
Lazarus Gov.  
Center

**Application No: 02-21601**

**Fac ID: 0204000133**

**DATE: 1/17/2006**

Premix Inc  
Kenna Coltman  
PO Box 281 3365 East Center St  
North Kingsville, OH 44068

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$400** will be due. Please do not submit any payment now.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Sincerely,

*Michael W. Ahern*

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

CC: USEPA

NEDO

Eastgate Dev & Trans Study

NY

PA

**ASHTABULA COUNTY**

**PUBLIC NOTICE**

**ISSUANCE OF DRAFT PERMIT TO INSTALL 02-21601 FOR AN AIR CONTAMINANT SOURCE FOR  
Premix Inc**

On 1/17/2006 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Premix Inc**, located at **3365 East Center St, North Kingsville**, Ohio.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 02-21601:

**2 compression mold presses.**

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

Dennis Bush, Ohio EPA, Northeast District Office, 2110 East Aurora Road, Twinsburg, OH 44087  
[(330)425-9171]



**Permit To Install  
Terms and Conditions**

**Issue Date: To be entered upon final issuance  
Effective Date: To be entered upon final issuance**

**DRAFT PERMIT TO INSTALL 02-21601**

Application Number: 02-21601  
Facility ID: 0204000133  
Permit Fee: **To be entered upon final issuance**  
Name of Facility: Premix Inc  
Person to Contact: Kenna Coltman  
Address: PO Box 281 3365 East Center St  
North Kingsville, OH 44068

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**3365 East Center St  
North Kingsville, Ohio**

Description of proposed emissions unit(s):  
**2 compression mold presses.**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) 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 above described 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

Director

Premix Inc

Facility ID: 0204000133

PTI Application: 02-21601

Issued: To be entered upon final issuance

Part I - GENERAL TERMS AND CONDITIONS

**A. State and Federally Enforceable Permit-To-Install General Terms and Conditions**

**1. Monitoring and Related Recordkeeping and Reporting Requirements**

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
  - i. The date, place (as defined in the permit), and time of sampling or measurements.
  - ii. The date(s) analyses were performed.
  - iii. The company or entity that performed the analyses.
  - iv. The analytical techniques or methods used.
  - v. The results of such analyses.
  - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, 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:
  - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
  - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written

Premix Inc

Facility ID: 0204000133

PTI Application: 02-21601

Issued: To be entered upon final issuance

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 B.9 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency 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.
  - iv. If this permit is for an emissions unit located at a Title V facility, then 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.

## 2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports 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).

## 3. Risk Management Plans

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

**Premix Inc**

**Facility ID: 0204000133**

**PTI Application: 02-21601**

**Issued: To be entered upon final issuance**

permittee shall comply with the requirement to register such a plan.

Premix Inc

Facility ID: 0204000133

PTI Application: 02-21601

Issued: To be entered upon final issuance

**4. Title IV Provisions**

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

**5. Severability Clause**

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

**6. General Requirements**

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and 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

8

**Premix Inc**

**Facility ID: 0204000133**

**PTI Application: 02-21601**

**Issued: To be entered upon final issuance**

permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

**Premix Inc**

**PTI Application: 02-21601**

**Issued: To be entered upon final issuance**

**Facility ID: 0204000133**

**7. Fees**

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

**8. Federal and State Enforceability**

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any 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. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

**9. Compliance Requirements**

- a. 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.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
  - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
  - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
  - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

**Premix Inc**

**Facility ID: 0204000133**

**PTI Application: 02-21601**

**Issued: To be entered upon final issuance**

- iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
  - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
  - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

#### **10. Permit-To-Operate Application**

- a. If 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).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this permit is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

#### **11. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

#### **12. Air Pollution Nuisance**

**Premix Inc**

**Facility ID: 0204000133**

**PTI Application: 02-21601**

**Issued: To be entered upon final issuance**

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.

Premix Inc

Facility ID: 0204000133

PTI Application: 02-21601

Issued: To be entered upon final issuance

### 13. Permit-To-Install

A permit-to-install must be obtained pursuant to OAC Chapter 3745-31 prior to "installation" of "any air contaminant source" as defined in OAC rule 3745-31-01, or "modification", as defined in OAC rule 3745-31-01, of any emissions unit included in this permit.

## B. State Only Enforceable Permit-To-Install General Terms and Conditions

### 1. Compliance Requirements

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.

### 2. 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 appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from 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 appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (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.)

### 3. Permit Transfers

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

13

**Premix Inc**

**PTI Application: 02-21601**

**Issued: To be entered upon final issuance**  
of any transfer of this permit.

**Facility ID: 0204000133**

**Premix Inc**

**PTI Application: 02-21601**

**Issued: To be entered upon final issuance**

**Facility ID: 0204000133**

**4. Authorization To Install or Modify**

If applicable, authorization to install or modify any new or existing 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 modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. 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.

**5. Construction of New Sources(s)**

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.

**6. 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.

**7. 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).

**8. Construction Compliance Certification**

**Premix Inc****Facility ID: 0204000133****PTI Application: 02-21601****Issued: To be entered upon final issuance**

If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) that the facility has been constructed in accordance with the permit-to-install application and the terms and conditions of the permit-to-install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

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

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

**C. Permit-To-Install Summary of Allowable Emissions**

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)  
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
OC	2.4

16

**Premix Inc**

**PTI Application: 02-21601**

**Issued: To be entered upon final issuance**

**Facility ID: 0204000133**

**Premix Inc**  
**PTI Application: 02 21604**  
**Issue**

**Facility ID: 0204000133**

Emissions Unit ID: P108

**Part II - FACILITY SPECIFIC TERMS AND CONDITIONS**

**A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions**

None

**B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions**

None

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PTI A

Emissions Unit ID: P108

Issued: To be entered upon final issuance

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P108 - Compression mold press (CMM O-17) for fiberglass reinforced plastic parts	OAC rule 3745-31-05(A)(3)	Organic compound (OC) emissions shall not exceed 0.27 lb/hr, 6.5 lbs/day and 1.2 tons/year. See Section A.I.2.a.
	OAC rule 3745-21-07(G)(2)	The emissions limitations specified by this rule are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).
	40CFR Part 63, Subpart WWWW Reinforced Plastic Composites Production	See Section A.I.2.b.

**2. Additional Terms and Conditions**

- 2.a The OC emissions from the molding operations consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- 2.b This facility is subject to 40 CFR Part 63, Subpart WWWW, National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production. The permittee shall comply with all applicable requirements of 40 CFR Part 63, Subpart WWWW. The permittee shall also comply with all applicable requirements of 40 CFR Part 63, Subpart A (General Provisions) as identified in Table 15 of 40 CFR Part 63, Subpart WWWW. Compliance with all

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PTI A**

Emissions Unit ID: P108

**Issued: To be entered upon final issuance**

applicable requirements shall be achieved by the dates set forth in 40 CFR Part 63, Subpart WWWW and Subpart A.

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall collect and record the following information for each day for this emissions unit:
  - a. the company identification for each production material employed;
  - b. the weight of each production material employed, in pounds;
  - c. the weight of all production materials employed, in pounds/day;
  - d. the total OC emission rate for all production materials employed, in pounds, i.e., the product of "c" times the appropriate emission factor (Section V.1.b);
  - e. the actual number of hours the emissions unit was in operation; and
  - f. the average hourly OC emission rate for all production materials employed, i.e., (d)/(e), in pounds per hour (average).

**IV. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
  - a. an identification of each day during which the average hourly OC emissions from the production materials exceeded 0.27 pound per hour, and the actual average hourly OC emissions for each such day;
  - b. an identification of each day during which the OC emissions from the production materials exceeded 6.5 pounds per day, and the actual OC emissions for each such day;

**Premix Inc**  
**PTI Application: 02-21604**  
**Issue**

**Facility ID: 0204000133**

Emissions Unit ID: P108

and

- c. an identification of each calendar year during which the OC emissions from the mold compounds exceeded 1.2 tons per year and the actual OC emissions for each such year.

**V. Testing Requirements**

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

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- a. Emissions Limitation: 0.27 lb OC/hr.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1. If required, the permittee shall demonstrate compliance with this emissions limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate, or an equivalent alternate method as approved by Ohio EPA.

- b. Emissions Limitation: 6.5 lbs OC/day.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1. Compliance may be determined based upon the following equation:

$$\text{EOC}(\text{lbs/day}) = \text{Summation of } P_i \times \text{EF}_i.$$

where:

EOC(lbs/day) = the organic compound emissions from mold operations, in pounds per day.

$P_i$  = the production rate of mold compound  $i$ , in pounds per day.

$\text{EF}_i$  = emission factor of mold compound  $i$ , in pound OC per pound of mold compound:

EF = emission factor for styrene emissions from the mold press, which is 0.00134 pounds per pound of production materials, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle."

- c. Emissions Limitation: 1.2 tons/year OC.

Applicable Compliance Method: Compliance shall be based on the sum of the daily OC emission rates from the production materials, EOC(lbs/day), as specified in section E.1.b. of this permit for the calendar year, and shall be divided by 2,000 pounds/ton.

2. Any determination of OC content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any

**Premi****PTI A**

Emissions Unit ID: P108

**Issued: To be entered upon final issuance**

monomer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as employed, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

**VI. Miscellaneous Requirements**

None

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PTI A**

Emissions Unit ID: P108

**Issued: To be entered upon final issuance**

**B. State Only Enforceable Section**

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P108 - Compression mold press (CMM O-17) for fiberglass reinforced plastic parts		

**2. Additional Terms and Conditions**

- 2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

24

**Premix Inc**

**PTI Application: 02 21604**

**Issue**

**Facility ID: 0204000133**

Emissions Unit ID: P108

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PTI A

Emissions Unit ID: P109

Issued: To be entered upon final issuance

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P109 - Compression mold press (CMM G-12) for fiberglass reinforced plastic parts	OAC rule 3745-31-05(A)(3)	Organic compound (OC) emissions shall not exceed 0.27 lb/hr, 6.5 lbs/day and 1.2 tons/year. See Section A.I.2.a.
	OAC rule 3745-21-07(G)(2)	The emissions limitations specified by this rule are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).
	40CFR Part 63, Subpart WWWW Reinforced Plastic Composites Production	See Section A.I.2.b.

**2. Additional Terms and Conditions**

- 2.a The OC emissions from the molding operations consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- 2.b This facility is subject to 40 CFR Part 63, Subpart WWWW, National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production. The permittee shall comply with all applicable requirements of 40 CFR Part 63, Subpart WWWW. The permittee shall also comply with all applicable requirements of 40 CFR Part 63, Subpart A (General Provisions) as identified in Table 15 of 40 CFR Part 63, Subpart WWWW. Compliance with all

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PTI A**

Emissions Unit ID: P109

**Issued: To be entered upon final issuance**

applicable requirements shall be achieved by the dates set forth in 40 CFR Part 63, Subpart WWWW and Subpart A.

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall collect and record the following information for each day for this emissions unit:
  - a. the company identification for each production material employed;
  - b. the weight of each production material employed, in pounds;
  - c. the weight of all production materials employed, in pounds/day;
  - d. the total OC emission rate for all production materials employed, in pounds, i.e., the product of "c" times the appropriate emission factor (Section V.1.b);
  - e. the actual number of hours the emissions unit was in operation; and
  - f. the average hourly OC emission rate for all production materials employed, i.e., (d)/(e), in pounds per hour (average).

**IV. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
  - a. an identification of each day during which the average hourly OC emissions from the production materials exceeded 0.27 pound per hour, and the actual average hourly OC emissions for each such day;
  - b. an identification of each day during which the OC emissions from the production materials exceeded 6.5 pounds per day, and the actual OC emissions for each such day;

**Premi**

**PTI A**

Emissions Unit ID: P109

**Issued: To be entered upon final issuance**

and

- c. an identification of each calendar year during which the OC emissions from the mold compounds exceeded 1.2 tons per year and the actual OC emissions for each such year.

**V. Testing Requirements**

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

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- a. Emissions Limitation: 0.27 lb OC/hr.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1. If required, the permittee shall demonstrate compliance with this emissions limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate, or an equivalent alternate method as approved by Ohio EPA.

- b. Emissions Limitation: 6.5 lbs OC/day.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1. Compliance may be determined based upon the following equation:

$$EOC(\text{lbs/day}) = \text{Summation of } P_i \times E_{Fi}$$

where:

$EOC(\text{lbs/day})$  = the organic compound emissions from mold operations, in pounds per day.

$P_i$  = the production rate of mold compound  $i$ , in pounds per day.

$E_{Fi}$  = emission factor of mold compound  $i$ , in pound OC per pound of mold compound:

$EF$  = emission factor for styrene emissions from the mold press, which is 0.00134 pounds per pound of production materials, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle."

- c. Emissions Limitation: 1.2 ton/year OC.

Applicable Compliance Method: Compliance shall be based on the sum of the daily OC emission rates from the production materials,  $EOC(\text{lbs/day})$ , as specified in section E.1.b. of this permit for the calendar year, and shall be divided by 2,000 pounds/ton.

2. Any determination of OC content (percent by weight), solids content, or density of a

**Premix Inc****PTI Application: 02-21604****Issue:****Facility ID: 0204000133**

Emissions Unit ID: P109

material shall be based on the material as employed, including the addition of any monomer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as employed, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

**VI. Miscellaneous Requirements**

None

Premi

PTI A

Emissions Unit ID: P109

Issued: To be entered upon final issuance

**B. State Only Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P109 - Compression mold press (CMM G-12) for fiberglass reinforced plastic parts		

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

31

**Premi**

**PTI A**

**Issued: To be entered upon final issuance**

Emissions Unit ID: P109