

Synthetic Minor Determination and/or Netting Determination

Permit To Install 05-12603

A. Source Description

BBi, Enterprises, L.P. (BBi) is a small sized manufacturer of thermal and acoustical insulators for the automobile industry. Based upon potential emissions, BBi is not a major facility for air pollution emissions. Nevertheless, BBi has requested federally enforceable emission limitations for VOC and HAP to ensure minor source status.

B. Facility Emissions and Attainment Status

BBi is located at 1167 S. Fourth Avenue, Sidney, Ohio, Shelby County. At this time, Shelby County is classified as attainment for ozone.

BBi's facility-wide potential emissions are 28.3 tons for VOC and less than 1 ton for combined HAP. This synthetic minor permit to install will limit VOC emissions to 9.83 tons and HAP emissions to 1.0 tons per rolling, 12-month summations.

The emissions limitations are accomplished by limiting facility-wide material usage to 6,270,000 pounds per rolling, 12-month summation. The material usage limitation accompanied with proper record keeping and reporting will ensure that BBi maintains compliance with the federally enforceable emission limitations.

C. Source Emissions

Each air contaminant source is a compression molding system that employs thermoset resin in fiberglass. Each air contaminant source is identical except the size. The largest source has a maximum hourly throughput of 351 pounds, and the smallest source has a maximum hourly throughput of 27 pounds.

Air contaminant emissions from each air source include VOC, particulate, and HAP. The largest source has a maximum emission rate of 1.1 lbs VOC/hr, 1.4 lbs PE/hr and 0.14 tons HAP/yr.

D. Conclusion

This synthetic minor permit to install will effectively limit VOC and combined HAP emissions from emissions unit P001 thru P014. The VOC and combined HAP emissions for emissions units P001 thru P014 will be limited to 9.83 tons and 1.0 tons, respectively. The emissions limitations identified in this permit represent all the air contaminant emissions at this facility.

A combination of a rolling, 12-month material usage limitation, monthly record keeping requirements and quarterly deviation reporting requirements shall ensure that compliance with the permit is maintained.



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

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

Lazarus Gov.
Center

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

CERTIFIED MAIL

Application No: 05-12603

DATE: 6/19/2003

BBi Enterprises Inc
Brent Morton
1167 S Fourth Ave
Sidney, OH 453658943

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 **\$2800** 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.

Very truly yours,

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA

SWDO

IN

SHELBY COUNTY

PUBLIC NOTICE
ISSUANCE OF DRAFT PERMIT TO INSTALL **05-12603** FOR AN AIR CONTAMINANT SOURCE FOR
BBI ENTERPRISES INC

On 6/19/2003 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **BBI Enterprises Inc**, located at **1167 S Fourth Ave, Sidney, Ohio**.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 05-12603:

Compression molding and thremoset resin for several press lines.

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.

Phil Hinrichs, Ohio EPA, Southwest District Office, 401 East Fifth Street, Dayton, OH 45402-2911
[(937)285-6357]



**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 05-12603

Application Number: 05-12603
APS Premise Number: 0575010231
Permit Fee: **To be entered upon final issuance**
Name of Facility: BBi Enterprises Inc
Person to Contact: Brent Morton
Address: 1167 S Fourth Ave
Sidney, OH 453658943

Location of proposed air contaminant source(s) [emissions unit(s)]:
**1167 S Fourth Ave
Sidney, Ohio**

Description of proposed emissions unit(s):
Compression molding and thermoset resin for several press lines.

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

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install 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 information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any

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information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

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

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install 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.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions

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and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. 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 the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install 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.

10. 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.

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. 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.

13. Source Operation and Operating Permit Requirements After Completion of Construction

- 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

BBi Enterprises Inc

Facility ID: 0575010231

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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 To Install 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.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) 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.

15. 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 this Permit to Install.

B. 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>
VOC	9.83
PE	12.59
Combined HAP	1.0

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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.

OAC rule 3745-35-07(B)

Operations, Property,
and/or Equipment

Applicable Rules/Requirements

P001 - press line 100, compression molding of fiberglass mat with thermoset resin	OAC rule 3745-31-05(A)(3)
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(Terms in the permit supersede those identified in PTI 05-11036 issued on 4/10/01.)

OAC rule 3745-17-07(A)

OAC rule 3745-17-11(B)

OAC rule 3745-21-07(G)

BBi E]

PTI A

Emissions Unit ID: **P001**

Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

Volatile organic compound (VOC) emissions shall not exceed 0.5 pound per hour.

Particulate emissions (PE) shall not exceed 0.6 pound per hour.

Visible emissions from the stacks shall not exceed 5% opacity.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B).

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

The PE limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

See A.2.b

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAP) per rolling, 12-month summation for emissions units P001 thru P014, combined

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PTI A

Emissions Unit ID: **P001**

Issued: To be entered upon final issuance

2. Additional Terms and Conditions

- 2.a** The hourly emission limitations for VOC, 0.5 pound, and PE, 0.6 pound, are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.
- 2.b** The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(C)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

B. Operational Restrictions

The maximum annual uncured resinated fiberglass material usage for emissions units P001 thru P014, combined, shall not exceed 6,270,000 pounds, based upon a rolling, 12-month summation of the production rates. The permittee has sufficient existing records to demonstrate compliance with this limit during the first twelve months of issuance.

C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and color of the emissions;
 - b. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and

Emissions Unit ID: **P001**

- d. any corrective actions taken to eliminate the visible emissions.

If after six months there is no deviation of the visible emission limitation for this emissions unit, then the frequency of the checks may change from daily to weekly.

2. The permittee shall maintain monthly records of the following information for emissions units P001 thru P014, combined:
 - a. the uncured resinated fiberglass material usage, in pounds;
 - b. the rolling, 12-month summation of the uncured resinated fiberglass material usage, in pounds;
 - c. the VOC emissions, i.e., (a)(0.003135 lb VOC/lb mat)(1 ton/2000 lbs);
 - d. the rolling, 12-month summation of monthly VOC emissions;
 - e. the PE emissions, i.e., (a)(0.004015 lb PE/lb mat)(1 ton/2000 lbs);
 - f. the rolling, 12-month summation of monthly PE emissions;
 - g. the combined HAP emissions, i.e., (a)(9.0 EE -5 lb HAP/lb mat)(1 ton/2000 lbs); and
 - h. the rolling, 12-month summation of monthly combined HAP emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly written reports which (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month fiberglass material usage limitation of 6,270,000 pounds for emissions unit P001 thru P014, combined;
 - b. the rolling, 12-month VOC emissions limitation of 9.83 tons for emissions units P001 thru P014, combined;

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PTI A

Emissions Unit ID: **P001**

Issued: To be entered upon final issuance

- c. the rolling, 12-month PE limitation of 12.59 tons for emissions units P001 thru P014, combined; and
- d. the rolling, 12-month combined HAP emissions limitation of 1.0 tons for emissions units P001 thru P014, combined.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.

E. Testing Requirements

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

- 1. Emission Limitation:

0.5 lb VOC/hr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 147 pounds by the emission factor of 0.003135 lb VOC/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

If required, compliance with the hourly VOC emission limitation shall be demonstrated through a compliance test performed in accordance with Method 1 thru 4 and 25 or 25A of 40 CFR Part 60, Appendix A.

- 2. Emission Limitation:

0.6 lb PE/hr

Applicable Compliance Method:

The pound of PE per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 147 pounds by the emission factor of 0.004015 lb PE/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

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PTI A

Emissions Unit ID: **P001**

Issued: To be entered upon final issuance

If required, compliance with the hourly PE limitation shall be demonstrated through a compliance test performed in accordance with Methods 1 thru 5 of 40 CFR, Part 60, Appendix A.

3. Emission Limitation:

Visible emissions from the stack shall not exceed 5% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

4. Emission Limitations:

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAPs) per rolling, 12-month summation for emissions units P001 thru P014, combined

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated through the record keeping requirements in Section C.2. of this permit.

F. Miscellaneous Requirements

none

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>	OAC rule 3745-35-07(B)
P002 - Press line 102, compression molding of fiberglass mat with thermoset resin (Terms in this permit supersede those identified in PTI 05-11036 issued on 4/10/01.)	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

BBi E]

PTI A

Emissions Unit ID: **P002**

Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

Volatile organic compound (VOC) emissions shall not exceed 0.5 pound per hour.

Particulate emissions (PE) shall not exceed 0.7 pound per hour.

Visible emissions from the stacks shall not exceed 5% opacity.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B).

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

The PE limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

See A.2.b

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAP) per rolling, 12-month summation for emissions units P001 thru P014, combined

BBi E]

PTI A

Emissions Unit ID: **P002**

Issued: To be entered upon final issuance

2. Additional Terms and Conditions

2.a The hourly emission limitations for VOC, 0.5 pound, and PE, 0.7 pound, are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

2.b The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(C)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

B. Operational Restrictions

The maximum annual uncured resinated fiberglass material usage for emissions units P001 thru P014, combined, shall not exceed 6,270,000 pounds, based upon a rolling, 12-month summation of the production rates. The permittee has sufficient existing records to demonstrate compliance with this limit during the first twelve months of issuance.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the location and color of the emissions;
- b. the cause of the visible emissions;
- c. the total duration of any visible emission incident; and

Emissions Unit ID: **P002**

- d. any corrective actions taken to eliminate the visible emissions.

If after six months there is no deviation of the visible emission limitation for this emissions unit, then the frequency of the checks may change from daily to weekly.

2. The permittee shall maintain monthly records of the following information for emissions units P001 thru P014, combined:
 - a. the uncured resinated fiberglass material usage, in pounds;
 - b. the rolling, 12-month summation of the uncured resinated fiberglass material usage, in pounds;
 - c. the VOC emissions, i.e., (a)(0.003135 lb VOC/lb mat)(1 ton/2000 lbs);
 - d. the rolling, 12-month summation of monthly VOC emissions;
 - e. the PE emissions, i.e., (a)(0.004015 lb PE/lb mat)(1 ton/2000 lbs);
 - f. the rolling, 12-month summation of monthly PE emissions;
 - g. the combined HAP emissions, i.e., (a)(9.0 EE -5 lb HAP/lb mat)(1 ton/2000 lbs); and
 - h. the rolling, 12-month summation of monthly combined HAP emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly written reports which (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month fiberglass material usage limitation of 6,270,000 pounds for emissions unit P001 thru P014, combined;
 - b. the rolling, 12-month VOC emissions limitation of 9.83 tons for emissions units P001 thru P014, combined;

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PTI A

Emissions Unit ID: **P002**

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- c. the rolling, 12-month PE limitation of 12.59 tons for emissions units P001 thru P014, combined; and
- d. the rolling, 12-month combined HAP emissions limitation of 1.0 tons for emissions units P001 thru P014, combined.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.

E. Testing Requirements

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

- 1. Emission Limitation:

0.5 lb VOC/hr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 158 pounds by the emission factor of 0.003135 lb VOC/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

If required, compliance with the hourly VOC emission limitation shall be demonstrated through a compliance test performed in accordance with Method 1 thru 4 and 25 or 25A of 40 CFR Part 60, Appendix A.

- 2. Emission Limitation:

0.7 lb PE/hr

Applicable Compliance Method:

The pound of PE per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 158 pounds by the emission factor of 0.004015 lb PE/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

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PTI A

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If required, compliance with the hourly PE limitation shall be demonstrated through a compliance test performed in accordance with Methods 1 thru 5 of 40 CFR, Part 60, Appendix A.

3. Emission Limitation:

Visible emissions from the stack shall not exceed 5% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

4. Emission Limitations:

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAPs) per rolling, 12-month summation for emissions units P001 thru P014, combined

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated through the record keeping requirements in Section C.2. of this permit.

F. Miscellaneous Requirements

none

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>	
P003 - Press line 104, compression molding of fiberglass mat with thermoset resin (Terms in this permit supersede those identified in PTI 05-11036 issued on 4/10/01.)	OAC rule 3745-31-05(A)(3)	OAC rule 3745-35-07(B)
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

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Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

Volatile organic compound (VOC) emissions shall not exceed 0.8 pound per hour.

Particulate emissions (PE) shall not exceed 0.94 pound per hour.

Visible emissions from the stacks shall not exceed 5% opacity.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B).

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

The PE limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

See A.2.b

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAP) per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

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Issued: To be entered upon final issuance

2. Additional Terms and Conditions

- 2.a** The hourly emission limitations for VOC, 0.8 pound, and PE, 0.94 pound, are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.
- 2.b** The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(C)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

B. Operational Restrictions

The maximum annual uncured resinated fiberglass material usage for emissions units P001 thru P014, combined, shall not exceed 6,270,000 pounds, based upon a rolling, 12-month summation of the production rates. The permittee has sufficient existing records to demonstrate compliance with this limit during the first twelve months of issuance.

C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and color of the emissions;
 - b. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and

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- d. any corrective actions taken to eliminate the visible emissions.

If after six months there is no deviation of the visible emission limitation for this emissions unit, then the frequency of the checks may change from daily to weekly.

2. The permittee shall maintain monthly records of the following information for emissions units P001 thru P014, combined:
 - a. the uncured resinated fiberglass material usage, in pounds;
 - b. the rolling, 12-month summation of the uncured resinated fiberglass material usage, in pounds;
 - c. the VOC emissions, i.e., (a)(0.003135 lb VOC/lb mat)(1 ton/2000 lbs);
 - d. the rolling, 12-month summation of monthly VOC emissions;
 - e. the PE emissions, i.e., (a)(0.004015 lb PE/lb mat)(1 ton/2000 lbs);
 - f. the rolling, 12-month summation of monthly PE emissions;
 - g. the combined HAP emissions, i.e., (a)(9.0 EE -5 lb HAP/lb mat)(1 ton/2000 lbs); and
 - h. the rolling, 12-month summation of monthly combined HAP emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly written reports which (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month fiberglass material usage limitation of 6,270,000 pounds for emissions unit P001 thru P014, combined;
 - b. the rolling, 12-month VOC emissions limitation of 9.83 tons for emissions units P001 thru P014, combined;

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- c. the rolling, 12-month PE limitation of 12.59 tons for emissions units P001 thru P014, combined; and
- d. the rolling, 12-month combined HAP emissions limitation of 1.0 tons for emissions units P001 thru P014, combined.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.

E. Testing Requirements

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

- 1. Emission Limitation:

0.8 lb VOC/hr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 232 pounds by the emission factor of 0.003135 lb VOC/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

If required, compliance with the hourly VOC emission limitation shall be demonstrated through a compliance test performed in accordance with Method 1 thru 4 and 25 or 25A of 40 CFR Part 60, Appendix A.

- 2. Emission Limitation:

0.94 lb PE/hr

Applicable Compliance Method:

The pound of PE per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 232 pounds by the emission factor of 0.004015 lb PE/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

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If required, compliance with the hourly PE limitation shall be demonstrated through a compliance test performed in accordance with Methods 1 thru 5 of 40 CFR, Part 60, Appendix A.

3. Emission Limitation:

Visible emissions from the stack shall not exceed 5% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

4. Emission Limitations:

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAPs) per rolling, 12-month summation for emissions units P001 thru P014, combined

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated through the record keeping requirements in Section C.2. of this permit.

F. Miscellaneous Requirements

none

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>	OAC rule 3745-35-07(B)
P004 - Press line 107, compression molding of fiberglass mat with thermoset resin (Terms in this permit supersede those identified in PTI 05-11036 issued on 4/10/01.)	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

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Emissions Unit ID: **P004**

Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

Volatile organic compound (VOC) emissions shall not exceed 0.8 pound per hour.

Particulate emissions (PE) shall not exceed 0.1.03 pounds per hour.

Visible emissions from the stacks shall not exceed 5% opacity.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B).

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

The PE limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

See A.2.b

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAP) per rolling, 12-month summation for emissions units P001 thru P014, combined

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Issued: To be entered upon final issuance

2. Additional Terms and Conditions

- 2.a** The hourly emission limitations for VOC, 0.8 pound, and PE, 1.03 pounds, are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.
- 2.b** The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(C)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

B. Operational Restrictions

The maximum annual uncured resinated fiberglass material usage for emissions units P001 thru P014, combined, shall not exceed 6,270,000 pounds, based upon a rolling, 12-month summation of the production rates. The permittee has sufficient existing records to demonstrate compliance with this limit during the first twelve months of issuance.

C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and color of the emissions;
 - b. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and

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- d. any corrective actions taken to eliminate the visible emissions.

If after six months there is no deviation of the visible emission limitation for this emissions unit, then the frequency of the checks may change from daily to weekly.

2. The permittee shall maintain monthly records of the following information for emissions units P001 thru P014, combined:
 - a. the uncured resinated fiberglass material usage, in pounds;
 - b. the rolling, 12-month summation of the uncured resinated fiberglass material usage, in pounds;
 - c. the VOC emissions, i.e., (a)(0.003135 lb VOC/lb mat)(1 ton/2000 lbs);
 - d. the rolling, 12-month summation of monthly VOC emissions;
 - e. the PE emissions, i.e., (a)(0.004015 lb PE/lb mat)(1 ton/2000 lbs);
 - f. the rolling, 12-month summation of monthly PE emissions;
 - g. the combined HAP emissions, i.e., (a)(9.0 EE -5 lb HAP/lb mat)(1 ton/2000 lbs); and
 - h. the rolling, 12-month summation of monthly combined HAP emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly written reports which (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month fiberglass material usage limitation of 6,270,000 pounds for emissions unit P001 thru P014, combined;
 - b. the rolling, 12-month VOC emissions limitation of 9.83 tons for emissions units P001 thru P014, combined;

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- c. the rolling, 12-month PE limitation of 12.59 tons for emissions units P001 thru P014, combined; and
- d. the rolling, 12-month combined HAP emissions limitation of 1.0 tons for emissions units P001 thru P014, combined.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.

E. Testing Requirements

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

- 1. Emission Limitation:

0.8 lb VOC/hr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 256 pounds by the emission factor of 0.003135 lb VOC/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

If required, compliance with the hourly VOC emission limitation shall be demonstrated through a compliance test performed in accordance with Method 1 thru 4 and 25 or 25A of 40 CFR Part 60, Appendix A.

- 2. Emission Limitation:

1.03 lbs PE/hr

Applicable Compliance Method:

The pound of PE per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 256 pounds by the emission factor of 0.004015 lb PE/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

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If required, compliance with the hourly PE limitation shall be demonstrated through a compliance test performed in accordance with Methods 1 thru 5 of 40 CFR, Part 60, Appendix A.

3. Emission Limitation:

Visible emissions from the stack shall not exceed 5% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

4. Emission Limitations:

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAPs) per rolling, 12-month summation for emissions units P001 thru P014, combined

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated through the record keeping requirements in Section C.2. of this permit.

F. Miscellaneous Requirements

none

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>	OAC rule 3745-35-07(B)
P005 - Press line 101, compression molding of fiberglass mat with thermoset resin	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

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Emissions Unit ID: **P005**

Issued: To be entered upon final issuance

<u>Applicable Emissions Limitations/Control Measures</u>	
Volatile organic compound (VOC) emissions shall not exceed 1.1 pounds per hour.	units P001 thru P014, combined
The PE limitation specified by this rule is equivalent to the limit established pursuant to OAC rule 3745-17-11(B).	12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined
Visible emissions from the stacks shall not exceed 5% opacity.	
The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B).	
The visible emission limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).	
Particulate emissions (PE) shall not exceed 1.28 pounds per hour.	
See A.2.b	
9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined	
1.0 tons combined hazardous air pollutants (HAP) per rolling, 12-month summation for emissions	

Issued: To be entered upon final issuance

2. Additional Terms and Conditions

- 2.a** The hourly emission limitations for VOC, 1.1 pounds, and PE, 1.28 pounds, are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.
- 2.b** The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(C)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

B. Operational Restrictions

The maximum annual uncured resinated fiberglass material usage for emissions units P001 thru P014, combined, shall not exceed 6,270,000 pounds, based upon a rolling, 12-month summation of the production rates. The permittee has sufficient existing records to demonstrate compliance with this limit during the first twelve months of issuance.

C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and color of the emissions;
 - b. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and

d. any corrective actions taken to eliminate the visible emissions.

If after six months there is no deviation of the visible emission limitation for this emissions unit, then the frequency of the checks may change from daily to weekly.

2. The permittee shall maintain monthly records of the following information for emissions units P001 thru P014, combined:
 - a. the uncured resinated fiberglass material usage, in pounds;
 - b. the rolling, 12-month summation of the uncured resinated fiberglass material usage, in pounds;
 - c. the VOC emissions, i.e., (a)(0.003135 lb VOC/lb mat)(1 ton/2000 lbs);
 - d. the rolling, 12-month summation of monthly VOC emissions;
 - e. the PE emissions, i.e., (a)(0.004015 lb PE/lb mat)(1 ton/2000 lbs);
 - f. the rolling, 12-month summation of monthly PE emissions;
 - g. the combined HAP emissions, i.e., (a)(9.0 EE -5 lb HAP/lb mat)(1 ton/2000 lbs); and
 - h. the rolling, 12-month summation of monthly combined HAP emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly written reports which (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month fiberglass material usage limitation of 6,270,000 pounds for emissions unit P001 thru P014, combined;
 - b. the rolling, 12-month VOC emissions limitation of 9.83 tons for emissions units P001 thru P014, combined;

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Emissions Unit ID: **P005**

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- c. the rolling, 12-month PE limitation of 12.59 tons for emissions units P001 thru P014, combined; and
- d. the rolling, 12-month combined HAP emissions limitation of 1.0 tons for emissions units P001 thru P014, combined.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.

E. Testing Requirements

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

- 1. Emission Limitation:

1.1 lbs VOC/hr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 351 pounds by the emission factor of 0.003135 lb VOC/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

Compliance with the hourly VOC emission limitation shall be demonstrated through a compliance test performed in accordance with Method 1 thru 4 and 25 or 25A of 40 CFR Part 60, Appendix A.

- 2. Emission Limitation:

1.28 lbs PE/hr

Applicable Compliance Method:

The pound of PE per hour limitation was derived from Table I of OAC rule 3745-17-11, where the allowable is determined by multiplying 4.10 by the maximum process weight rate, 0.1755 tons, to the 0.67 power.

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Compliance with the hourly PE limitation shall be demonstrated through a compliance test performed in accordance with Methods 1 thru 5 of 40 CFR, Part 60, Appendix A.

3. Emission Limitation:

Visible emissions from the stack shall not exceed 5% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

4. Emission Limitations:

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAPs) per rolling, 12-month summation for emissions units P001 thru P014, combined

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated through the record keeping requirements in Section C.2. of this permit.

5. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted within 6 months of commencement of operation.
- b. The emission testing shall be conducted to demonstrate compliance with the hourly PE limitation of 1.28 pounds and hourly VOC limitation of 1.1 pounds.
- c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate(s): Methods 1 thru 5, and 25 or 25A of 40 CFR, Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA, Southwest District Office.
- d. The test shall be conducted while the emissions unit is operating at or near its maximum

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capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA, Southwest District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Southwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA, Southwest District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA, Southwest District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA, Southwest District Office.

F. Miscellaneous Requirements

none

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Emissions Unit ID: **P006**

Issued: To be entered upon final issuance

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>	OAC rule 3745-35-07(B)
P006 - Press line 103, compression molding of fiberglass mat with thermoset resin	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

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Emissions Unit ID: **P006**

Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

Volatile organic compound (VOC) emissions shall not exceed 0.4 pound per hour.

Particulate emissions (PE) shall not exceed 0.4 pound per hour.

Visible emissions from the stacks shall not exceed 5% opacity.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B).

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

The PE limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

See A.2.b

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAP) per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined.

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Emissions Unit ID: **P006**

Issued: To be entered upon final issuance

2. Additional Terms and Conditions

2.a The hourly emission limitations for VOC, 0.4 pound, and PE, 0.4 pound, are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

2.b The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(C)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

B. Operational Restrictions

The maximum annual uncured resinated fiberglass material usage for emissions units P001 thru P014, combined, shall not exceed 6,270,000 pounds, based upon a rolling, 12-month summation of the production rates. The permittee has sufficient existing records to demonstrate compliance with this limit during the first twelve months of issuance.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the location and color of the emissions;
- b. the cause of the visible emissions;
- c. the total duration of any visible emission incident; and

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- d. any corrective actions taken to eliminate the visible emissions.

If after six months there is no deviation of the visible emission limitation for this emissions unit, then the frequency of the checks may change from daily to weekly.

2. The permittee shall maintain monthly records of the following information for emissions units P001 thru P014, combined:
 - a. the uncured resinated fiberglass material usage, in pounds;
 - b. the rolling, 12-month summation of the uncured resinated fiberglass material usage, in pounds;
 - c. the VOC emissions, i.e., (a)(0.003135 lb VOC/lb mat)(1 ton/2000 lbs);
 - d. the rolling, 12-month summation of monthly VOC emissions;
 - e. the PE emissions, i.e., (a)(0.004015 lb PE/lb mat)(1 ton/2000 lbs);
 - f. the rolling, 12-month summation of monthly PE emissions;
 - g. the combined HAP emissions, i.e., (a)(9.0 EE -5 lb HAP/lb mat)(1 ton/2000 lbs); and
 - h. the rolling, 12-month summation of monthly combined HAP emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly written reports which (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month fiberglass material usage limitation of 6,270,000 pounds for emissions unit P001 thru P014, combined;
 - b. the rolling, 12-month VOC emissions limitation of 9.83 tons for emissions units P001 thru P014, combined;

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- c. the rolling, 12-month PE limitation of 12.59 tons for emissions units P001 thru P014, combined; and
- d. the rolling, 12-month combined HAP emissions limitation of 1.0 tons for emissions units P001 thru P014, combined.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.

E. Testing Requirements

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

- 1. Emission Limitation:

0.4 lb VOC/hr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 99 pounds by the emission factor of 0.003135 lb VOC/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

If required, compliance with the hourly VOC emission limitation shall be demonstrated through a compliance test performed in accordance with Method 1 thru 4 and 25 or 25A of 40 CFR Part 60, Appendix A.

- 2. Emission Limitation:

0.4 lb PE/hr

Applicable Compliance Method:

The pound of PE per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 99 pounds by the emission factor of 0.004015 lb PE/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

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If required, compliance with the hourly PE limitation shall be demonstrated through a compliance test performed in accordance with Methods 1 thru 5 of 40 CFR, Part 60, Appendix A.

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3. Emission Limitation:

Visible emissions from the stack shall not exceed 5% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

4. Emission Limitations:

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAPs) per rolling, 12-month summation for emissions units P001 thru P014, combined

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated through the record keeping requirements in Section C.2. of this permit.

F. Miscellaneous Requirements

none

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Emissions Unit ID: **P007**

Issued: To be entered upon final issuance

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>	OAC rule 3745-35-07(B)
P007 - Press line 105, compression molding of fiberglass mat with thermoset resin	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

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Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

Volatile organic compound (VOC) emissions shall not exceed 0.1 pound per hour.

Particulate emissions (PE) shall not exceed 0.1 pound per hour.

Visible emissions from the stacks shall not exceed 5% opacity.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B).

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

The PE limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

See A.2.b

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAP) per rolling, 12-month summation for emissions units P001 thru P014, combined

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2. Additional Terms and Conditions

2.a The hourly emission limitations for VOC, 0.1 pound, and PE, 0.1 pound, are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

2.b The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(C)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

B. Operational Restrictions

The maximum annual uncured resinated fiberglass material usage for emissions units P001 thru P014, combined, shall not exceed 6,270,000 pounds, based upon a rolling, 12-month summation of the production rates. The permittee has sufficient existing records to demonstrate compliance with this limit during the first twelve months of issuance.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the location and color of the emissions;
- b. the cause of the visible emissions;
- c. the total duration of any visible emission incident; and

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- d. any corrective actions taken to eliminate the visible emissions.

If after six months there is no deviation of the visible emission limitation for this emissions unit, then the frequency of the checks may change from daily to weekly.

2. The permittee shall maintain monthly records of the following information for emissions units P001 thru P014, combined:
 - a. the uncured resinated fiberglass material usage, in pounds;
 - b. the rolling, 12-month summation of the uncured resinated fiberglass material usage, in pounds;
 - c. the VOC emissions, i.e., (a)(0.003135 lb VOC/lb mat)(1 ton/2000 lbs);
 - d. the rolling, 12-month summation of monthly VOC emissions;
 - e. the PE emissions, i.e., (a)(0.004015 lb PE/lb mat)(1 ton/2000 lbs);
 - f. the rolling, 12-month summation of monthly PE emissions;
 - g. the combined HAP emissions, i.e., (a)(9.0 EE -5 lb HAP/lb mat)(1 ton/2000 lbs); and
 - h. the rolling, 12-month summation of monthly combined HAP emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly written reports which (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month fiberglass material usage limitation of 6,270,000 pounds for emissions unit P001 thru P014, combined;
 - b. the rolling, 12-month VOC emissions limitation of 9.83 tons for emissions units P001 thru P014, combined;

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- c. the rolling, 12-month PE limitation of 12.59 tons for emissions units P001 thru P014, combined; and
- d. the rolling, 12-month combined HAP emissions limitation of 1.0 tons for emissions units P001 thru P014, combined.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.

E. Testing Requirements

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

- 1. Emission Limitation:

0.1 lb VOC/hr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 12.4 pounds by the emission factor of 0.003135 lb VOC/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

If required, compliance with the hourly VOC emission limitation shall be demonstrated through a compliance test performed in accordance with Method 1 thru 4 and 25 or 25A of 40 CFR Part 60, Appendix A.

- 2. Emission Limitation:

0.1 lb PE/hr

Applicable Compliance Method:

The pound of PE per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 12.4 pounds by the emission factor of 0.004015 lb PE/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

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If required, compliance with the hourly PE limitation shall be demonstrated through a compliance test performed in accordance with Methods 1 thru 5 of 40 CFR, Part 60, Appendix A.

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3. Emission Limitation:

Visible emissions from the stack shall not exceed 5% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

4. Emission Limitations:

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAPs) per rolling, 12-month summation for emissions units P001 thru P014, combined

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated through the record keeping requirements in Section C.2. of this permit.

F. Miscellaneous Requirements

none

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Emissions Unit ID: **P008**

Issued: To be entered upon final issuance

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>	OAC rule 3745-35-07(B)
P008 - Press line 108, compression molding of fiberglass mat with thermoset resin	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

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Emissions Unit ID: **P008**

Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

Volatile organic compound (VOC) emissions shall not exceed 0.2 pound per hour.

Particulate emissions (PE) shall not exceed 0.2 pound per hour.

Visible emissions from the stacks shall not exceed 5% opacity.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B).

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

The PE limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

See A.2.b

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAP) per rolling, 12-month summation for emissions units P001 thru P014, combined

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2. Additional Terms and Conditions

2.a The hourly emission limitations for VOC, 0.2 pound, and PE, 0.2 pound, are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

2.b The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(C)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

B. Operational Restrictions

The maximum annual uncured resinated fiberglass material usage for emissions units P001 thru P014, combined, shall not exceed 6,270,000 pounds, based upon a rolling, 12-month summation of the production rates. The permittee has sufficient existing records to demonstrate compliance with this limit during the first twelve months of issuance.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the location and color of the emissions;
- b. the cause of the visible emissions;
- c. the total duration of any visible emission incident; and

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- d. any corrective actions taken to eliminate the visible emissions.

If after six months there is no deviation of the visible emission limitation for this emissions unit, then the frequency of the checks may change from daily to weekly.

2. The permittee shall maintain monthly records of the following information for emissions units P001 thru P014, combined:
 - a. the uncured resinated fiberglass material usage, in pounds;
 - b. the rolling, 12-month summation of the uncured resinated fiberglass material usage, in pounds;
 - c. the VOC emissions, i.e., (a)(0.003135 lb VOC/lb mat)(1 ton/2000 lbs);
 - d. the rolling, 12-month summation of monthly VOC emissions;
 - e. the PE emissions, i.e., (a)(0.004015 lb PE/lb mat)(1 ton/2000 lbs);
 - f. the rolling, 12-month summation of monthly PE emissions;
 - g. the combined HAP emissions, i.e., (a)(9.0 EE -5 lb HAP/lb mat)(1 ton/2000 lbs); and
 - h. the rolling, 12-month summation of monthly combined HAP emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly written reports which (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month fiberglass material usage limitation of 6,270,000 pounds for emissions unit P001 thru P014, combined;
 - b. the rolling, 12-month VOC emissions limitation of 9.83 tons for emissions units P001 thru P014, combined;

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- c. the rolling, 12-month PE limitation of 12.59 tons for emissions units P001 thru P014, combined; and
- d. the rolling, 12-month combined HAP emissions limitation of 1.0 tons for emissions units P001 thru P014, combined.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.

E. Testing Requirements

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

- 1. Emission Limitation:

0.2 lb VOC/hr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 47 pounds by the emission factor of 0.003135 lb VOC/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

If required, compliance with the hourly VOC emission limitation shall be demonstrated through a compliance test performed in accordance with Method 1 thru 4 and 25 or 25A of 40 CFR Part 60, Appendix A.

- 2. Emission Limitation:

0.2 lb PE/hr

Applicable Compliance Method:

The pound of PE per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 47 pounds by the emission factor of 0.004015 lb PE/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

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If required, compliance with the hourly PE limitation shall be demonstrated through a compliance test performed in accordance with Methods 1 thru 5 of 40 CFR, Part 60, Appendix A.

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3. Emission Limitation:

Visible emissions from the stack shall not exceed 5% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

4. Emission Limitations:

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAPs) per rolling, 12-month summation for emissions units P001 thru P014, combined

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated through the record keeping requirements in Section C.2. of this permit.

F. Miscellaneous Requirements

none

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Emissions Unit ID: **P009**

Issued: To be entered upon final issuance

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>	OAC rule 3745-35-07(B)
P009 - Press line 109, compression molding of fiberglass mat with thermoset resin	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

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Emissions Unit ID: **P009**

Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

Volatile organic compound (VOC) emissions shall not exceed 0.8 pound per hour.

Particulate emissions (PE) shall not exceed 0.1.02 pounds per hour.

Visible emissions from the stacks shall not exceed 5% opacity.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B).

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

The PE limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

See A.2.b

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAP) per rolling, 12-month summation for emissions units P001 thru P014, combined

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2. Additional Terms and Conditions

2.a The hourly emission limitations for VOC, 0.8 pound, and PE, 1.02 pounds, are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

2.b The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(C)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

B. Operational Restrictions

The maximum annual uncured resinated fiberglass material usage for emissions units P001 thru P014, combined, shall not exceed 6,270,000 pounds, based upon a rolling, 12-month summation of the production rates. The permittee has sufficient existing records to demonstrate compliance with this limit during the first twelve months of issuance.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the location and color of the emissions;
- b. the cause of the visible emissions;
- c. the total duration of any visible emission incident; and

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- d. any corrective actions taken to eliminate the visible emissions.

If after six months there is no deviation of the visible emission limitation for this emissions unit, then the frequency of the checks may change from daily to weekly.

2. The permittee shall maintain monthly records of the following information for emissions units P001 thru P014, combined:
 - a. the uncured resinated fiberglass material usage, in pounds;
 - b. the rolling, 12-month summation of the uncured resinated fiberglass material usage, in pounds;
 - c. the VOC emissions, i.e., (a)(0.003135 lb VOC/lb mat)(1 ton/2000 lbs);
 - d. the rolling, 12-month summation of monthly VOC emissions;
 - e. the PE emissions, i.e., (a)(0.004015 lb PE/lb mat)(1 ton/2000 lbs);
 - f. the rolling, 12-month summation of monthly PE emissions;
 - g. the combined HAP emissions, i.e., (a)(9.0 EE -5 lb HAP/lb mat)(1 ton/2000 lbs); and
 - h. the rolling, 12-month summation of monthly combined HAP emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly written reports which (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month fiberglass material usage limitation of 6,270,000 pounds for emissions unit P001 thru P014, combined;
 - b. the rolling, 12-month VOC emissions limitation of 9.83 tons for emissions units P001 thru P014, combined;

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- c. the rolling, 12-month PE limitation of 12.59 tons for emissions units P001 thru P014, combined; and
- d. the rolling, 12-month combined HAP emissions limitation of 1.0 tons for emissions units P001 thru P014, combined.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.

E. Testing Requirements

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

- 1. Emission Limitation:

0.8 lb VOC/hr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 254 pounds by the emission factor of 0.003135 lb VOC/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

If required, compliance with the hourly VOC emission limitation shall be demonstrated through a compliance test performed in accordance with Method 1 thru 4 and 25 or 25A of 40 CFR Part 60, Appendix A.

- 2. Emission Limitation:

1.02 lbs PE/hr

Applicable Compliance Method:

The pound of PE per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 254 pounds by the emission factor of 0.004015 lb PE/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

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If required, compliance with the hourly PE limitation shall be demonstrated through a compliance test performed in accordance with Methods 1 thru 5 of 40 CFR, Part 60, Appendix A.

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Emissions Unit ID: **P009**

Issued: To be entered upon final issuance

3. Emission Limitation:

Visible emissions from the stack shall not exceed 5% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

4. Emission Limitations:

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAPs) per rolling, 12-month summation for emissions units P001 thru P014, combined

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated through the record keeping requirements in Section C.2. of this permit.

F. Miscellaneous Requirements

none

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Emissions Unit ID: **P010**

Issued: To be entered upon final issuance

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>	OAC rule 3745-35-07(B)
P010 - Press line 110, compression molding of fiberglass mat with thermoset resin	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

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Emissions Unit ID: **P010**

Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

Volatile organic compound (VOC) emissions shall not exceed 0.75 pound per hour.

Particulate emissions (PE) shall not exceed 0.96 pound per hour.

Visible emissions from the stacks shall not exceed 5% opacity.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B).

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

The PE limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

See A.2.b

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAP) per rolling, 12-month summation for emissions units P001 thru P014, combined

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2. Additional Terms and Conditions

2.a The hourly emission limitations for VOC, 0.75 pound, and PE, 0.96 pound, are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

2.b The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(C)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

B. Operational Restrictions

The maximum annual uncured resinated fiberglass material usage for emissions units P001 thru P014, combined, shall not exceed 6,270,000 pounds, based upon a rolling, 12-month summation of the production rates. The permittee has sufficient existing records to demonstrate compliance with this limit during the first twelve months of issuance.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the location and color of the emissions;
- b. the cause of the visible emissions;
- c. the total duration of any visible emission incident; and

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- d. any corrective actions taken to eliminate the visible emissions.

If after six months there is no deviation of the visible emission limitation for this emissions unit, then the frequency of the checks may change from daily to weekly.

2. The permittee shall maintain monthly records of the following information for emissions units P001 thru P014, combined:
 - a. the uncured resinated fiberglass material usage, in pounds;
 - b. the rolling, 12-month summation of the uncured resinated fiberglass material usage, in pounds;
 - c. the VOC emissions, i.e., (a)(0.003135 lb VOC/lb mat)(1 ton/2000 lbs);
 - d. the rolling, 12-month summation of monthly VOC emissions;
 - e. the PE emissions, i.e., (a)(0.004015 lb PE/lb mat)(1 ton/2000 lbs);
 - f. the rolling, 12-month summation of monthly PE emissions;
 - g. the combined HAP emissions, i.e., (a)(9.0 EE -5 lb HAP/lb mat)(1 ton/2000 lbs); and
 - h. the rolling, 12-month summation of monthly combined HAP emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly written reports which (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month fiberglass material usage limitation of 6,270,000 pounds for emissions unit P001 thru P014, combined;
 - b. the rolling, 12-month VOC emissions limitation of 9.83 tons for emissions units P001 thru P014, combined;

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- c. the rolling, 12-month PE limitation of 12.59 tons for emissions units P001 thru P014, combined; and
- d. the rolling, 12-month combined HAP emissions limitation of 1.0 tons for emissions units P001 thru P014, combined.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.

E. Testing Requirements

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

- 1. Emission Limitation:

0.75 lb VOC/hr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 237 pounds by the emission factor of 0.003135 lb VOC/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

If required, compliance with the hourly VOC emission limitation shall be demonstrated through a compliance test performed in accordance with Method 1 thru 4 and 25 or 25A of 40 CFR Part 60, Appendix A.

- 2. Emission Limitation:

0.96 lb PE/hr

Applicable Compliance Method:

The pound of PE per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 237 pounds by the emission factor of 0.004015 lb PE/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

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If required, compliance with the hourly PE limitation shall be demonstrated through a compliance test performed in accordance with Methods 1 thru 5 of 40 CFR, Part 60, Appendix A.

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3. Emission Limitation:

Visible emissions from the stack shall not exceed 5% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

4. Emission Limitations:

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAPs) per rolling, 12-month summation for emissions units P001 thru P014, combined

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated through the record keeping requirements in Section C.2. of this permit.

F. Miscellaneous Requirements

none

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>	OAC rule 3745-35-07(B)
P011 - Press line 111, compression molding of fiberglass mat with thermoset resin	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

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Emissions Unit ID: **P011**

Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

Volatile organic compound (VOC) emissions shall not exceed 0.38 pound per hour.

Particulate emissions (PE) shall not exceed 0.49 pound per hour.

Visible emissions from the stacks shall not exceed 5% opacity.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B).

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

The PE limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

See A.2.b

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAP) per rolling, 12-month summation for emissions units P001 thru P014, combined

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Issued: To be entered upon final issuance

2. Additional Terms and Conditions

2.a The hourly emission limitations for VOC, 0.38 pound, and PE, 0.49 pound, are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

2.b The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(C)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

B. Operational Restrictions

The maximum annual uncured resinated fiberglass material usage for emissions units P001 thru P014, combined, shall not exceed 6,270,000 pounds, based upon a rolling, 12-month summation of the production rates. The permittee has sufficient existing records to demonstrate compliance with this limit during the first twelve months of issuance.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the location and color of the emissions;
- b. the cause of the visible emissions;
- c. the total duration of any visible emission incident; and

- d. any corrective actions taken to eliminate the visible emissions.

If after six months there is no deviation of the visible emission limitation for this emissions unit, then the frequency of the checks may change from daily to weekly.

2. The permittee shall maintain monthly records of the following information for emissions units P001 thru P014, combined:
 - a. the uncured resinated fiberglass material usage, in pounds;
 - b. the rolling, 12-month summation of the uncured resinated fiberglass material usage, in pounds;
 - c. the VOC emissions, i.e., (a)(0.003135 lb VOC/lb mat)(1 ton/2000 lbs);
 - d. the rolling, 12-month summation of monthly VOC emissions;
 - e. the PE emissions, i.e., (a)(0.004015 lb PE/lb mat)(1 ton/2000 lbs);
 - f. the rolling, 12-month summation of monthly PE emissions;
 - g. the combined HAP emissions, i.e., (a)(9.0 EE -5 lb HAP/lb mat)(1 ton/2000 lbs); and
 - h. the rolling, 12-month summation of monthly combined HAP emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly written reports which (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month fiberglass material usage limitation of 6,270,000 pounds for emissions unit P001 thru P014, combined;
 - b. the rolling, 12-month VOC emissions limitation of 9.83 tons for emissions units P001 thru P014, combined;

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- c. the rolling, 12-month PE limitation of 12.59 tons for emissions units P001 thru P014, combined; and
- d. the rolling, 12-month combined HAP emissions limitation of 1.0 tons for emissions units P001 thru P014, combined.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.

E. Testing Requirements

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

- 1. Emission Limitation:

0.38 lb VOC/hr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 158 pounds by the emission factor of 0.003135 lb VOC/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

If required, compliance with the hourly VOC emission limitation shall be demonstrated through a compliance test performed in accordance with Method 1 thru 4 and 25 or 25A of 40 CFR Part 60, Appendix A.

- 2. Emission Limitation:

0.49 lb PE/hr

Applicable Compliance Method:

The pound of PE per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 120 pounds by the emission factor of 0.004015 lb PE/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

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If required, compliance with the hourly PE limitation shall be demonstrated through a compliance test performed in accordance with Methods 1 thru 5 of 40 CFR, Part 60, Appendix A.

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3. Emission Limitation:

Visible emissions from the stack shall not exceed 5% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

4. Emission Limitations:

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAPs) per rolling, 12-month summation for emissions units P001 thru P014, combined

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated through the record keeping requirements in Section C.2. of this permit.

F. Miscellaneous Requirements

none

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>	OAC rule 3745-35-07(B)
P012 - Press system 1, pods 5 and 7, compression molding of fiberglass mat with thermoset resin	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

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Emissions Unit ID: **P012**

Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

Volatile organic compound (VOC) emissions shall not exceed 0.1 pound per hour.

Particulate emissions (PE) shall not exceed 0.13 pound per hour.

Visible emissions from the stacks shall not exceed 5% opacity.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B).

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

The PE limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

See A.2.b

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAP) per rolling, 12-month summation for emissions units P001 thru P014, combined

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Emissions Unit ID: **P012**

Issued: To be entered upon final issuance

2. Additional Terms and Conditions

2.a The hourly emission limitations for VOC, 0.1 pound, and PE, 0.13 pound, are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

2.b The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(C)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

B. Operational Restrictions

The maximum annual uncured resinated fiberglass material usage for emissions units P001 thru P014, combined, shall not exceed 6,270,000 pounds, based upon a rolling, 12-month summation of the production rates. The permittee has sufficient existing records to demonstrate compliance with this limit during the first twelve months of issuance.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the location and color of the emissions;
- b. the cause of the visible emissions;
- c. the total duration of any visible emission incident; and

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- d. any corrective actions taken to eliminate the visible emissions.

If after six months there is no deviation of the visible emission limitation for this emissions unit, then the frequency of the checks may change from daily to weekly.

2. The permittee shall maintain monthly records of the following information for emissions units P001 thru P014, combined:
 - a. the uncured resinated fiberglass material usage, in pounds;
 - b. the rolling, 12-month summation of the uncured resinated fiberglass material usage, in pounds;
 - c. the VOC emissions, i.e., (a)(0.003135 lb VOC/lb mat)(1 ton/2000 lbs);
 - d. the rolling, 12-month summation of monthly VOC emissions;
 - e. the PE emissions, i.e., (a)(0.004015 lb PE/lb mat)(1 ton/2000 lbs);
 - f. the rolling, 12-month summation of monthly PE emissions;
 - g. the combined HAP emissions, i.e., (a)(9.0 EE -5 lb HAP/lb mat)(1 ton/2000 lbs); and
 - h. the rolling, 12-month summation of monthly combined HAP emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly written reports which (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month fiberglass material usage limitation of 6,270,000 pounds for emissions unit P001 thru P014, combined;
 - b. the rolling, 12-month VOC emissions limitation of 9.83 tons for emissions units P001 thru P014, combined;

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- c. the rolling, 12-month PE limitation of 12.59 tons for emissions units P001 thru P014, combined; and
- d. the rolling, 12-month combined HAP emissions limitation of 1.0 tons for emissions units P001 thru P014, combined.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.

E. Testing Requirements

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

- 1. Emission Limitation:

0.1 lb VOC/hr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 32 pounds by the emission factor of 0.003135 lb VOC/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

If required, compliance with the hourly VOC emission limitation shall be demonstrated through a compliance test performed in accordance with Method 1 thru 4 and 25 or 25A of 40 CFR Part 60, Appendix A.

- 2. Emission Limitation:

0.13 lb PE/hr

Applicable Compliance Method:

The pound of PE per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 32 pounds by the emission factor of 0.004015 lb PE/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

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If required, compliance with the hourly PE limitation shall be demonstrated through a compliance test performed in accordance with Methods 1 thru 5 of 40 CFR, Part 60, Appendix A.

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3. Emission Limitation:

Visible emissions from the stack shall not exceed 5% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

4. Emission Limitations:

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAPs) per rolling, 12-month summation for emissions units P001 thru P014, combined

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated through the record keeping requirements in Section C.2. of this permit.

F. Miscellaneous Requirements

none

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>	OAC rule 3745-35-07(B)
P013 - Press system 2, pod 3, compression molding of fiberglass mat with thermoset resin	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

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Emissions Unit ID: **P013**

Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

Volatile organic compound (VOC) emissions shall not exceed 0.28 pound per hour.

Particulate emissions (PE) shall not exceed 0.36 pound per hour.

Visible emissions from the stacks shall not exceed 5% opacity.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B).

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

The PE limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

See A.2.b

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAP) per rolling, 12-month summation for emissions units P001 thru P014, combined

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Emissions Unit ID: **P013**

Issued: To be entered upon final issuance

2. Additional Terms and Conditions

2.a The hourly emission limitations for VOC, 0.28 pound, and PE, 0.36 pound, are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

2.b The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(C)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

B. Operational Restrictions

The maximum annual uncured resinated fiberglass material usage for emissions units P001 thru P014, combined, shall not exceed 6,270,000 pounds, based upon a rolling, 12-month summation of the production rates. The permittee has sufficient existing records to demonstrate compliance with this limit during the first twelve months of issuance.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the location and color of the emissions;
- b. the cause of the visible emissions;
- c. the total duration of any visible emission incident; and

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- d. any corrective actions taken to eliminate the visible emissions.

If after six months there is no deviation of the visible emission limitation for this emissions unit, then the frequency of the checks may change from daily to weekly.

2. The permittee shall maintain monthly records of the following information for emissions units P001 thru P014, combined:
 - a. the uncured resinated fiberglass material usage, in pounds;
 - b. the rolling, 12-month summation of the uncured resinated fiberglass material usage, in pounds;
 - c. the VOC emissions, i.e., (a)(0.003135 lb VOC/lb mat)(1 ton/2000 lbs);
 - d. the rolling, 12-month summation of monthly VOC emissions;
 - e. the PE emissions, i.e., (a)(0.004015 lb PE/lb mat)(1 ton/2000 lbs);
 - f. the rolling, 12-month summation of monthly PE emissions;
 - g. the combined HAP emissions, i.e., (a)(9.0 EE -5 lb HAP/lb mat)(1 ton/2000 lbs); and
 - h. the rolling, 12-month summation of monthly combined HAP emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly written reports which (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month fiberglass material usage limitation of 6,270,000 pounds for emissions unit P001 thru P014, combined;
 - b. the rolling, 12-month VOC emissions limitation of 9.83 tons for emissions units P001 thru P014, combined;

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- c. the rolling, 12-month PE limitation of 12.59 tons for emissions units P001 thru P014, combined; and
- d. the rolling, 12-month combined HAP emissions limitation of 1.0 tons for emissions units P001 thru P014, combined.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.

E. Testing Requirements

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

- 1. Emission Limitation:

0.28 lb VOC/hr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 89 pounds by the emission factor of 0.003135 lb VOC/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

If required, compliance with the hourly VOC emission limitation shall be demonstrated through a compliance test performed in accordance with Method 1 thru 4 and 25 or 25A of 40 CFR Part 60, Appendix A.

- 2. Emission Limitation:

0.36 lb PE/hr

Applicable Compliance Method:

The pound of PE per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 89 pounds by the emission factor of 0.004015 lb PE/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

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If required, compliance with the hourly PE limitation shall be demonstrated through a compliance test performed in accordance with Methods 1 thru 5 of 40 CFR, Part 60, Appendix A.

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Issued: To be entered upon final issuance

3. Emission Limitation:

Visible emissions from the stack shall not exceed 5% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

4. Emission Limitations:

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAPs) per rolling, 12-month summation for emissions units P001 thru P014, combined

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated through the record keeping requirements in Section C.2. of this permit.

F. Miscellaneous Requirements

none

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>	OAC rule 3745-35-07(B)
P014 - Press system 3, pods 1 and 6, compression molding of fiberglass mat with thermoset resin	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

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Applicable Emissions
Limitations/Control Measures

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

Volatile organic compound (VOC) emissions shall not exceed 0.1 pound per hour.

Particulate emissions (PE) shall not exceed 0.2 pound per hour.

Visible emissions from the stacks shall not exceed 5% opacity.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B).

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

The PE limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

See A.2.b

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAP) per rolling, 12-month summation for emissions units P001 thru P014, combined

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2. Additional Terms and Conditions

2.a The hourly emission limitations for VOC, 0.1 pound, and PE, 0.2 pound, are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

2.b The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(C)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

B. Operational Restrictions

The maximum annual uncured resinated fiberglass material usage for emissions units P001 thru P014, combined, shall not exceed 6,270,000 pounds, based upon a rolling, 12-month summation of the production rates. The permittee has sufficient existing records to demonstrate compliance with this limit during the first twelve months of issuance.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the location and color of the emissions;
- b. the cause of the visible emissions;
- c. the total duration of any visible emission incident; and

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- d. any corrective actions taken to eliminate the visible emissions.

If after six months there is no deviation of the visible emission limitation for this emissions unit, then the frequency of the checks may change from daily to weekly.

2. The permittee shall maintain monthly records of the following information for emissions units P001 thru P014, combined:
 - a. the uncured resinated fiberglass material usage, in pounds;
 - b. the rolling, 12-month summation of the uncured resinated fiberglass material usage, in pounds;
 - c. the VOC emissions, i.e., (a)(0.003135 lb VOC/lb mat)(1 ton/2000 lbs);
 - d. the rolling, 12-month summation of monthly VOC emissions;
 - e. the PE emissions, i.e., (a)(0.004015 lb PE/lb mat)(1 ton/2000 lbs);
 - f. the rolling, 12-month summation of monthly PE emissions;
 - g. the combined HAP emissions, i.e., (a)(9.0 EE -5 lb HAP/lb mat)(1 ton/2000 lbs); and
 - h. the rolling, 12-month summation of monthly combined HAP emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly written reports which (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month fiberglass material usage limitation of 6,270,000 pounds for emissions unit P001 thru P014, combined;
 - b. the rolling, 12-month VOC emissions limitation of 9.83 tons for emissions units P001 thru P014, combined;

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- c. the rolling, 12-month PE limitation of 12.59 tons for emissions units P001 thru P014, combined; and
- d. the rolling, 12-month combined HAP emissions limitation of 1.0 tons for emissions units P001 thru P014, combined.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.2.

E. Testing Requirements

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

- 1. Emission Limitation:

0.1 lb VOC/hr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 27 pounds by the emission factor of 0.003135 lb VOC/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

If required, compliance with the hourly VOC emission limitation shall be demonstrated through a compliance test performed in accordance with Method 1 thru 4 and 25 or 25A of 40 CFR Part 60, Appendix A.

- 2. Emission Limitation:

0.2 lb PE/hr

Applicable Compliance Method:

The pound of PE per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 27 pounds by the emission factor of 0.004015 lb PE/lb fiberglass material. The emission factor is based upon a stack test performed on similar air contaminant sources in Bluffton, Indiana.

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If required, compliance with the hourly PE limitation shall be demonstrated through a compliance test performed in accordance with Methods 1 thru 5 of 40 CFR, Part 60, Appendix A.

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3. Emission Limitation:

Visible emissions from the stack shall not exceed 5% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

4. Emission Limitations:

9.83 tons VOC per rolling, 12-month summation for emissions units P001 thru P014, combined

12.59 tons PE per rolling, 12-month summation for emissions units P001 thru P014, combined

1.0 tons combined hazardous air pollutants (HAPs) per rolling, 12-month summation for emissions units P001 thru P014, combined

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated through the record keeping requirements in Section C.2. of this permit.

F. Miscellaneous Requirements

none