Facility ID: 0575010231 Issuance type: Final State Permit To Operate

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In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0575010231 Emissions Unit ID: P005 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

   (a) None.

2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

   (a) None.

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

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
press line 101, compression molding of fiberglass mat with thermoset resin	OAC rule 3745-31-05(A)(3) (PTI 05-12603)	Volatile organic compound (VOC) emissions shall not exceed 1.1 pounds per hour. The PE limitation specified by this rule is equivalent to the limit established pursuant to OAC rule 3745-17-11 (B). 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).
	OAC rule 3745-17-07(A)	The visible emission limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)	Particulate emissions (PE) shall not exceed 1.28 pounds per hour.
	OAC rule 3745-21-07(G)	See A.2.b
	OAC rule 3745-35-07(B)	VOC emissions shall not exceed 9.83 tons per rolling, 12-month summation for emissions units P001 thru P014, combined. Hazardous air pollutant (HAP) emissions shall not excee 1.0 ton per rolling, 12-month summation for emissions units P001 thru P014, combined. PE shall not exceed 12.59 tons per rolling, 12-month summation for emissions units P001 thru P014, combined.

2. **Additional Terms and Conditions**

   (a) The hourly emission limitations for VOC, 1.1 pounds, and PE, 1.28 pounds, are established for PTI purposes 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.
   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**

1. 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.

C. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall perform daily checks from ground level, 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 from the roof area, 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.

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;

   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.

E. **Testing Requirements**

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

   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.
   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.

   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.
   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.
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 ton 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**

1. None