

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

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

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.

[Go to Part II for Emissions Unit P015](#)

[Go to Part II for Emissions Unit P016](#)

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

Facility ID: 0575010231 Emissions Unit ID: P015 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P015 - Press line 112, compression molding of fiberglass mat with thermoset resin	OAC rule 3745-31-05(A)(3)	Volatile organic compound (VOC) emissions shall not exceed 0.48 pound per hour and 2.1 tons per year. Particulate emissions (PE) shall not exceed 3.28 tons per year. The hourly PE limitation required 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 visible emission limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3). PE shall not exceed 0.75 pounds per hour.
	OAC rule 3745-17-07(A)	See A.2.b
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

2. Additional Terms and Conditions

- (a) The hourly and annual emission limitations for VOC and PE 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.
 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. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily (except weekends and holidays) 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.

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.

E. Testing Requirements

1. Emission Limitation:

0.48 lbs VOC/hr
2.1 tons VOC/yr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 152 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.

The ton per year limitation was established by multiplying the maximum annual mat usage rate of 1,331,520 pounds (i.e., 152 lbs x 8,760 hrs) by the emission factor of 0.003135 lb VOC/lb mat and dividing the result by 2,000 lbs/ton.

2. Emission Limitation:

0.75 lb PE/hr
3.28 tons PE/yr

Applicable Compliance Method:

The pound of PE per hour limitation was established from Table I of OAC rule 3745-17-11, where the allowable is determined by multiplying 4.10 by the maximum process weight rate, 0.08 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.

The ton PE per year limitation was established by multiplying the hourly PE limit by 8,760 hours per year and dividing the result by 2,000 lbs/ton.

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.

F. Miscellaneous Requirements

1. None

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Facility ID: 0575010231 Emissions Unit ID: P016 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P016 - Press line 114, compression of fiberglass mat with thermoset resin	OAC rule 3745-31-05(A)(3)	Volatile organic compound (VOC) emissions shall not exceed 0.56 pound per hour and 2.45 tons per year. Particulate emissions (PE) shall not exceed 3.59 tons per year. The hourly PE limitation required 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 visible emission limitation specified by this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3). PE shall not exceed 0.75 pounds per hour. See A.2.b
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

2. Additional Terms and Conditions

- (a) The hourly and annual emission limitations for VOC and PE 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. 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. None

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform daily (except weekends and holidays) 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.

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.

E. Testing Requirements

1. Emission Limitation:

0.56 lbs VOC/hr
2.45 tons VOC/yr

Applicable Compliance Method:

The pound of VOC per hour limitation was established by multiplying the maximum hourly fiberglass material usage rate of 152 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.

The ton per year limitation was established by multiplying the maximum annual mat usage rate of 1,331,520 pounds (i.e., 152 lbs x 8,760 hrs) by the emission factor of 0.003135 lb VOC/lb mat and dividing the result by 2,000 lbs/ton.

2. Emission Limitation:

0.82 lb PE/hr
3.59 tons PE/yr

Applicable Compliance Method:

The pound of PE per hour limitation was established from Table I of OAC rule 3745-17-11, where the allowable is determined by multiplying 4.10 by the maximum process weight rate, 0.08 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.

The ton PE per year limitation was established by multiplying the hourly PE limit by 8,760 hours per year and dividing the result by 2,000 lbs/ton.

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.

F. Miscellaneous Requirements

1. None