

Facility ID: 1677011069 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 P001](#)

[Go to Part II for Emissions Unit P002](#)

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

Facility ID: 1677011069 Emissions Unit ID: P001 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

**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>
Pultrusion plant - mixing room	PTI 16-1581	1.6 lbs/hr of styrene 3.34 TPY of styrene
	OAC 3745-21-07	

2. **Additional Terms and Conditions**
  - (a) None

**B. Operational Restrictions**

1. None

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

1. The permittee shall maintain daily records which identify the following:
  - a. the identity of each monomer batch;
  - b. the weight, in pounds, of each batch;
  - c. the styrene content in weight percent; and
  - d. the hours of operation.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify each day during which the average hourly styrene emissions exceeded 1.6 pounds per hour, and the actual average hourly styrene emissions for each such day.
2. The permittee shall also submit annual reports which specify the total styrene emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

**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:  
 1.6 lbs/hr of styrene  
  
 Applicable Compliance Method:  
  
 multiply the styrene emission factor of 0.055 pounds of styrene per pound of monomer input by the maximum production rate  
  
 The emission factor was obtained from AP-42, Chapter 4.12, dated 9/88.  
 Emission Limitation:  
 3.34 TPY of styrene

Applicable Compliance Method:

multiply the styrene emission factor of 0.055 pounds of styrene per pound of monomer input by the maximum operating hours per year, divided by 2,000

The emission factor was obtained from AP-42, Chapter 4.12, dated 9/88.

**F. Miscellaneous Requirements**

- 1. None

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**Facility ID: 1677011069 Emissions Unit ID: P002 Issuance type: Final State Permit To Operate**

[Go to the top of this document](#)

**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>
Pultrusion plant - line #1	PTI 16-1581	1.6 lbs/hr of styrene 3.4 TPY of styrene 0.09 lb/hr of FRP dust 0.19 TPY of FRP dust
	OAC 3745-21-07	

- 2. **Additional Terms and Conditions**
  - (a) The permittee shall use a dust collector to control the fiberglass reinforced plastic (FRP) dust from this emissions unit.

**B. Operational Restrictions**

- 1. None

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

- 1. The permittee shall maintain daily records which identify the following:
  - a. the identity of each monomer batch;
  - b. the weight, in pounds, of each batch;
  - c. the styrene content in weight percent; and
  - d. the hours of operation.

**D. Reporting Requirements**

- 1. The permittee shall submit deviation (excursion) reports which identify each day during which the average hourly styrene emissions exceeded 1.6 pounds per hour, and the actual average hourly styrene emissions for each such day.
- 2. The permittee shall also submit annual reports which specify the total styrene emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

**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:  
1.6 lbs/hr of styrene

## Applicable Compliance Method:

multiply the styrene emission factor of 0.055 pound of styrene per pound of monomer input by the maximum production rate

The emission factor was obtained from AP-42, Chapter 4.12, dated 9/88.  
Emission Limitation:

3.4 TPY of styrene

## Applicable Compliance Method:

multiply the styrene emission factor of 0.055 pounds of styrene per pound of monomer input by the maximum operating hours per year, divided by 2,000

Emission factor obtained from AP-42, Chapter 4.12, dated 9/88.  
Emission Limitation:

0.09 lb/hr of FRP dust

## Compliance Method:

convert the FRP dust emission factor of 0.03 gr/dscf to lbs/dscf, multiply the result by the maximum exhaust rate

The emission factor was supplied by the permittee in the permit application.  
Emission Limitation:

0.19 TPY of FPR dust

## Applicable Compliance Method:

convert the FRP dust emission factor of 0.03 gr/dscf to lb/dscf, multiply by the maximum operating hours per year, and divide the result by 2,000

The emission factor was supplied by the permittee in the permit application.

F. **Miscellaneous Requirements**

1. None