

Facility ID: 0812100565 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.

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

Facility ID: 0812100565 Emissions Unit ID: P003 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>
P003 - Polyester Filament Winder for making fiberglass conduit	OAC rule 3745-31-05(A)(3) PTI 08-04633	Organic compound (OC) emissions shall not exceed 1.24 lbs/hr and 15 lbs/day, excluding cleanup. OC emissions shall not exceed 0.80 TPY OC per rolling 12-month period, including cleanup.
	OAC rule 3745-31-05(C) PTI 08-04633	
	OAC rule 3745-35-07(B) (Synthetic Minor to avoid Title V permitting)	
	OAC rule 3745-21-07(G)(9)(e) [when employing cleanup materials]	See Section A.2.b. below.
	OAC rule 3745-21-07(G)(2) [when employing only polyester resin]	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule e3745-31-05(A)(3).
	OAC rule 3745-21-07(G)(1) [when curing polyester resin]	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule e3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- (a) The 1.24 lbs/hr was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop additional monitoring, record keeping and/or reporting requirements to ensure compliance with this limit.  
The provisions of paragraph (G) of this rule shall not apply to the use, in any article, machine, equipment, or other contrivance described in paragraph (G)(1), (G)(2), (G)(3), or (G)(4) of this rule, of liquid organic cleanup materials which exhibit a boiling point higher than 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure, or having an equivalent vapor pressure, unless such liquid organic material is exposed to temperatures exceeding 220 degrees Fahrenheit.

**B. Operational Restrictions**

1. The annual polyester resin usage for this emissions unit shall not exceed 9500 pounds/rolling, 12-month period, based on the summation of the monthly polyester resin usage rates.

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

1. The permittee shall collect and maintain the following information each month for all cleanup materials, except those specified in Section A.2.b., for emissions units P001, P003, and P004, combined:
  - a. The company identification of each cleanup material employed.
  - b. The total number of gallons of each cleanup material employed.
  - c. The OC content of each cleanup material, in pounds per gallon.
  - d. The total OC emission rate for all the cleanup materials, in pounds [summation of (b x c) for all cleanup materials].
  - e. The total number of cleaning batches.

2. The permittee shall collect and maintain the following information each month for each polyester resin, resin catalyst and cleanup material (except those cleanup materials specified in Section A.2.b) employed in this emissions unit:
  - a. The company identification of each polyester resin and resin catalyst employed.
  - b. The total number of gallons of each polyester resin and resin catalyst employed.
  - c. The OC content of each polyester resin and resin catalyst employed, in pounds per gallon.
  - d. The total number of cleaning batches using cleanup materials, except those specified in Section A.2.b.
  - e. The total OC emission rate for the polyester resin employed, in pounds, calculated by multiplying the density of the polyester resin, in pounds per gallon, by the total number of gallons of polyester resin employed, and by the emission factor of 0.0995 lb styrene emitted/lb polyester resin used\*.
 

\* from the Table of Unified Emission Factors for Open Molding of Composites, July 23, 200
  - f. The total OC emission rate for all the resin catalyst, in pounds [summation of (b x c) for all resin catalysts].
  - g. The total OC emission rate for all the cleanup materials employed, in pounds [(C.1.d) x (C.2.d)/(C.1.e)].
  - h. The total OC emission rate for all the resin components and cleanup materials employed, in pounds [(e) + (f) + (g)].
  - i. The total number of days the emissions unit was in operation.
  - j. The average daily OC emission rate for the resin components and cleanup materials, i.e., (h)/(i), in pounds per day (average).
  - k. The rolling, 12-month OC emission rate for all the resin components and cleanup materials employed, in tons.

- l. The rolling, 12-month polyester resin usage rate, in tons (sum the monthly number of gallons of polyester resin employed for the 12-month period and multiply by the density of the polyester resin).

**D. Reporting Requirements**

1. The permittee shall notify the Director [the Regional Air Pollution Control Agency (RAPCA)] in writing of any monthly record showing that the daily average OC emission limitation of 15 pounds was exceeded in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the RAPCA) within 45 days after the exceedance occurs.
2. The permittee shall notify the Director (the RAPCA) in writing of any monthly record showing that the rolling, 12-month polyester resin usage restriction of 9500 pounds was exceeded in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the RAPCA) within 45 days after the exceedance occurs.

**E. Testing Requirements**

1. Compliance with the emission limitation in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation -  
1.24 lbs/hr OC  
  
Applicable Compliance Method -  
Compliance with the hourly allowable OC emission limitation may be determined by multiplying the maximum hourly usage rate of the polyester resin (12.46 lbs/hr) by the emission factor of 0.0995 lb styrene emitted/lb polyester resin used (Table of Unified Emission Factors for Open Molding of Composites, July 23, 2001).  
  
If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation based on the results of emission testing conducted in accordance with Methods 1 - 4, 18, 15, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.
  - b. Emission Limitation -  
15 lbs/day OC  
  
Applicable Compliance Method -  
Compliance with the daily allowable OC emission limitation above shall be based on the record keeping requirements specified in Sections C.1 and C.2 of this permit.
  - c. Emission Limitation -  
0.80 ton OC/rolling, 12-month period  
  
Applicable Compliance Method -  
Compliance with the annual allowable OC emission limitation above shall be based on the record keeping requirements specified in Sections C.1 and C.2 of this permit.
2. Formulation data or USEPA Method 24 shall be used to determine the OC contents of the resin components and cleanup materials.

**F. Miscellaneous Requirements**

1. None