

Facility ID: 0855100393 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: 0855100393 Emissions Unit ID: P004 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>
P004 - Low Pressure Molding Compound (LPMC) and Resin Transfer Molding (RTM)	OAC rule 3745-31-05(A)(3) PTI 08-3002	5.6 lbs/day organic compounds, excluding cleanup
	OAC rule 3745-21-07(G)(2)	3.75 TPY organic compounds, including cleanup The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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

B. Operational Restrictions

1. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each month for each resin and catalyst employed in this emissions unit:
 - a. The company identification for each resin and catalyst employed.
 - b. The total amount, in pounds or gallons, of each resin employed and the total amount, in gallons, of each catalyst employed.
 - c. The organic compound content of each resin, in percent by weight, and the organic compound content of each catalyst, in pounds per gallon.
 - d. The method of application for each resin employed.
 - e. The styrene content of each resin employed, in percent by weight.
 - f. The total organic compound emissions from all resins and catalysts employed, in pounds (see calculation methodology in Section E.1.a.).
 - g. The total number of days the emissions unit was in operation.
 - h. The average daily organic compound emission rate, in pounds per day (i.e., (f)/(g)).
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. The company identification of each cleanup material employed in this emissions unit.
 - b. Whether or not each cleanup material employed is a photochemically reactive material.

c. The total number of gallons of cleanup material employed.

d. The organic compound content of each cleanup material, in pounds per gallon.

e. The total organic compound emission rate from all resins, catalysts, and cleanup materials employed, in pounds per month.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month during which the average daily organic compound emissions from the resins and catalyst exceeded 5.6 pounds per day, and the actual average daily organic compound emissions for each such month.

The quarterly deviation (excursion) reports shall be submitted in accordance with paragraph 3 of the General Terms and Conditions.

2. The permittee shall submit deviation reports that identify each month during which any photochemically reactive cleanup material was employed in this emissions unit. Each report shall identify the cause for the use of the photochemically reactive cleanup material(s), and the estimated total quantity of the cleanup material(s) emitted during each such day, in pounds. Each report shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of the deviation.
3. The permittee shall submit annual reports to the Director (the appropriate Ohio EPA District Office or local air agency) that specify the total organic compound emissions and total material usages for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation -
5.6 lbs/day organic compounds, excluding cleanup

Applicable Compliance Method -
Compliance shall be based upon record keeping as specified in Section C.1. and shall be determined as follows:

i. The usage of each low pressure molding compound (LPMC) resin (pounds per month), as required to be recorded in Section C.1., shall be divided by 2,000. The usage of each LPMC resin, in tons, shall then be multiplied by the appropriate emission factor from Table 3 of the Engineering Environmental Consulting Services document, Technical Discussion of the Unified Emission Factors for Open Molding of Composites, April 7, 1999.

ii. The usage of each resin transfer molding (RTM) resin (gallons per month), as required to be recorded in Section C.1., shall be multiplied by the RTM resin density, in pounds per gallon, and then divided by 2,000 pounds per ton. The usage of each RTM resin, in tons, shall then be multiplied by the styrene content in percent by weight and the emission loss factor of 1% (0.01) determined by the Composite Fabricators Association for Resin Transfer Molding.

iii. The total usage rate of the catalyst (gallons per month), as required to be recorded in Section C.1., shall be multiplied by the maximum organic compound content of the catalyst, in pounds per gallon.

iv. The total organic compound emission rate (in pounds), excluding cleanup, shall then be the sum of the results from i, ii, and iii above, divided by the total number of days the emissions unit was in operation for the month.

Emission Limitation -
3.75 TPY organic compounds, including cleanup

Applicable Compliance Method -
Compliance shall be based upon record keeping as specified in C.2. and shall be the sum of the monthly organic compound emission rates for the calendar year, divided by 2,000 pounds per ton.

F. Miscellaneous Requirements

1. None