

Facility ID: 1318007976 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: 1318007976 Emissions Unit ID: P001 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>
PVC foam manufacturing line with afterburner.	OAC rule 3745-31-05(A)(3) PTI #13-2944	Organic Compounds (OC): 2.73 TPY.
	OAC rule 3745-21-07(G)(1)	See Section 2.a.
	OAC rule 3745-21-07(G)(6)	

2. Additional Terms and Conditions

- (a) OC emissions from this emissions unit shall be reduced overall by at least 85 percent. Per OAC rule 3745-21-07(G)(6), the incinerator shall reduce OC emissions by at least 90%.

B. Operational Restrictions

1. The average combustion temperature within the thermal incinerator (afterburner), for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1350 degrees Fahrenheit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the afterburner when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.
2. The permittee shall collect and record the following information for each day:
 - all 3-hour blocks of time during which the average combustion temperature within the afterburner, when the emissions unit was in operation, was less than 1350 degrees Fahrenheit;
 - a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation; and
 - a log of the actual hours that the associated emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - an identification of all 3-hour blocks of time during which the average combustion temperature within the afterburner does not comply with the temperature limitation specified above; and
 - logs of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.
2. The quarterly deviation (excursion) reports shall be submitted in accordance with Section 3 of the General Terms and Conditions.

E. Testing Requirements

1. Compliance with the emission limitations of Section A.1. of these terms and conditions shall be determined in accordance with the following methods:
 - Emission Limitation:
2.73 tons/yr, OC emissions
 - Applicable Compliance Method:
Compliance shall be determined by multiplying the actual hours of operation (Section C.2.c.) by the lbs/hr amount determined by the testing performed in accordance with Section E.1.b.

Emission Limitation:

The OC emissions shall be reduced by at least 85 percent overall, with 90% destruction efficiency in the incinerator.

Applicable Compliance Method:

Compliance with the above emission limitation shall be determined using Method 25A of 40 CFR, Part 60, Appendix A. Compliance with the above reduction requirement shall be determined by multiplying the fractional capture efficiency by the fractional control efficiency and multiplying by 100 percent. The capture efficiency shall be determined using Method 204 of 40 CFR, Part 51, Appendix M. The control efficiency shall be determined using the results of testing performed on the inlet and outlet of the control equipment using Method 25A and the following equation:

$$\text{control efficiency} = [(\text{inlet testing results} - \text{outlet testing results})/\text{inlet testing results}] \times 100\%$$

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

2. The permittee shall conduct, or have conducted, emissions testing for this emissions unit in accordance with the following requirements:

The emissions testing shall be conducted within six (6) months of issuance of the permit.

The test shall be conducted simultaneously while this emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time (s) and date(s) of the test, and the person(s) who will be conducting the test. Failure to submit such notification for review and approval prior to the test may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test.

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit.

A comprehensive written report on the results of the emissions test shall be signed by the person or persons responsible for the test and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

F. Miscellaneous Requirements

1. None