

Facility ID: 0868810174 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: 0868810174 Emissions Unit ID: N001 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>
multiple chamber, controlled air, batch style animal crematory; 120 lbs/hr capacity	OAC rule 3745-31-05 (PTI 08-4036)	0.53 tpy of particulates
	OAC rule 3745-17-09(B)	See A.2.a below.
	OAC rule 3745-17-07(A)	0.10 pound of particulates per 100 pounds of material charged
		See A.2.b below.

**2. Additional Terms and Conditions**

- (a) Visible particulate emissions from any stack shall not exceed 5% opacity as a 6-minute average. The visible particulate emissions limitation required by OAC rule 3745-17-07 is less stringent than the visible particulate emissions limitation established pursuant to the best available technology requirements specified in OAC rule 3745-31-05.

**B. Operational Restrictions**

1. The secondary combustion chamber temperature shall be maintained at 1600 degrees Fahrenheit or greater during each cremation cycle.
 

This incinerator shall be equipped with a lockout system which will prevent the ignition of waste until the exit gas temperature of the secondary combustion chamber reaches 1600 degrees Fahrenheit and which will prevent recharging until the combustion and burn-down cycles are complete.
2. The type of waste to be burned in this emissions unit shall be limited to type four waste (pathological waste).

**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 secondary combustion chamber 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 maintain a log of all periods of time during which the secondary combustion chamber temperature, when the emissions unit was in operation, was less than 1600 degrees Fahrenheit.

**D. Reporting Requirements**

1. The permittee shall notify the Director (the appropriate Ohio EPA, District Office or local air agency) in writing of any record of deviation of the secondary combustion chamber temperature below 1600 degrees Fahrenheit. The notification shall include a copy of such record, including any corrective action(s) taken, and shall be sent to the Director (the appropriate Ohio EPA, District Office or local air agency) within 45 days after the deviation occurs.

**E. Testing Requirements**

1. Compliance with the emission limitations in sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:  
Emission Limitation:  
0.10 pound of particulates per 100 pounds of material charged

## Applicable Compliance Method:

If required, compliance with this mass emission limitation shall be demonstrated based upon the methods and procedures in OAC rule 3745-17-03(B)(8).  
Emission Limitation:

0.53 tpy of particulates

## Applicable Compliance Method:

This limit is based on the maximum rated capacity of the emissions unit (120 pounds of pathological waste/hour) multiplied by the allowable emission limit of 0.10 pound particulate matter/100 pounds charged. The result, 0.12 pounds/hour, is then multiplied by the operating schedule of 8760 hours/year, divided by 2,000 pounds per ton. Therefore, provided compliance is shown with the mass emission limitation of 0.10 pound of particulate per 100 pounds of material charged, compliance will also be shown with the annual limitation.  
Emission Limitation:

5% opacity as a 6-minute average

## Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

F. **Miscellaneous Requirements**

1. The permittee is hereby notified that this permit, and all agency records concerning the operating of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.