

Facility ID: 1677010106 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 N002](#)

[Go to Part II for Emissions Unit N003](#)

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Facility ID: 1677010106 Emissions Unit ID: N002 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>
100 pounds per hour rated multiple chambered crematory incinerator with an opacity monitor	OAC rule 3745-17-07 OAC rule 3745-17-09	See A.2.a below. 0.10 pound of particulate emissions per 100 pounds charged

2. **Additional Terms and Conditions**
  - (a) Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, from any stack, except as provided by rule.

**B. Operational Restrictions**

1. The secondary chamber shall be operated at a temperature of at least 1,600 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 crematory incinerator 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.

**D. Reporting Requirements**

1. The permittee shall submit temperature deviation (excursion) reports that identify all periods of time during which the temperature of the secondary chamber does not comply with the temperature limitation specified above.

**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 particulate emissions per 100 pounds charged  
Applicable Compliance Method:  
Either multiply the particulate emission factor of 0.082 pound of particulate emissions per hour (based on a stack test of a similar emission unit) by the hourly crematory operation rate or use OAC rule 3745-17-03(B)(10).  
Emission Limitation:  
20% opacity as a 6-minute average  
Applicable Compliance Method:  
OAC rule 3745-17-03(B)(1)

**F. Miscellaneous Requirements**

1. The stack from the incinerator shall be designed to minimize the impact of the emissions on employees, residents,

visitors and nearby residences. The design of any unit shall meet good engineering practices so as to not effect the air intake for heating and cooling of any building, or operable windows, or doors.

2. The incinerator and associated equipment and grounds shall be designed, operated and maintained to prevent the emission of objectionable odors.
3. This emissions unit shall be operated and maintained according to the manufacturer's specifications. The operator shall be properly trained in the operation and maintenance of this unit.

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Facility ID: 1677010106 Emissions Unit ID: N003 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>
100 pounds per hour rated multiple chambered crematory incinerator with an opacity monitor	OAC rule 3745-31-05 (PTI 16-1485)	See A.2.a below.
	OAC rule 3745-17-07	See A.2.b below.
	OAC rule 3745-17-09	0.10 pound of particulate emissions per 100 pounds charged

2. **Additional Terms and Conditions**
  - (a) Visible particulate emissions shall not exceed 1% opacity as a 6-minute average, from any stack. The requirements established under this rule are less stringent than the requirements established under OAC rule 3745-31-05 and PTI 16-1485.

**B. Operational Restrictions**

1. The secondary chamber shall be operated at a temperature of at least 1,600 degrees Fahrenheit with a minimum 2-second retention time.

**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 crematory incinerator 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.

**D. Reporting Requirements**

1. The permittee shall submit temperature deviation (excursion) reports that identify all periods of time during which the temperature of the secondary chamber does not comply with the temperature limitation specified above.

**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 particulate emissions per 100 pounds charged  
 Applicable Compliance Method:  
 Either multiply the particulate emission factor of 0.082 pound of particulate emissions per hour (based on a stack test of a similar emission unit) by the hourly crematory operation rate or use OAC rule 3745-17-03(B)(10).  
 Emission Limitation:

1% opacity as a 6-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

F. **Miscellaneous Requirements**

1. The stack from the incinerator shall be designed to minimize the impact of the emissions on employees, residents, visitors and nearby residences. The design of any unit shall meet good engineering practices so as to not effect the air intake for heating and cooling of any building, or operable windows, or doors.
2. The incinerator and associated equipment and grounds shall be designed, operated and maintained to prevent the emission of objectionable odors.
3. This emissions unit shall be operated and maintained according to the manufacturer's specifications. The operator shall be properly trained in the operation and maintenance of this unit.