Facility ID: 0250021022 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: 0250021022 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.

| Operations, Property, and/or Equipment | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| N001 - Human remains crematory rated at 100 lbs/hr. | OAC rule 3745-31-05(A)(3) (PTI 02-18479) | Nitrogen oxide (NOx) emissions shall not exceed 0.68 lb/hr and 2.98 tons per year. |
| | | Visible particulate emissions shall not exceed 5% opacity as a 6-minute average. |
| | OAC rule 3745-17-07(A) | The visible particulate emission limitation required by this applicable rule is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3). |
| | OAC rule 3745-17-09(B) | PE shall not exceed 0.10 pound per 100 pounds of material charged. |
| | OAC rule 3745-17-09(C) | See section A.2.a below. |

2. **Additional Terms and Conditions**

   (a) This incinerator and all associated equipment and grounds shall be designed, operated and maintained so as to prevent the emission of objectionable odors.

B. **Operational Restrictions**

1. The incinerator shall be operated only by adequately trained personnel.

2. The permittee shall operate and maintain the incinerator in such a way as to meet all applicable engineering standards and practices and the recommendations of the manufacturer in order to minimize the air contaminant emission releases.

3. This emissions unit shall not be used to dispose of infectious or medical waste as defined in OAC rule 3745-75-01 (B)(27).

4. During a cremation burn, the temperature of the secondary combustion chamber shall be maintained at a minimum of 1600 degrees Fahrenheit.

5. The secondary combustion chamber shall be pre-heated for at least thirty (30) minutes prior to ignition of the charge and shall continue to be used during the entire burn cycle.

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

1. The permittee shall operate and maintain a continuous temperature monitor and recorder for the secondary combustion chamber operating temperatures. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturers recommendations, instructions, and applicable operating manual(s).

2. The permittee shall maintain copies of the records of the secondary combustion chamber temperature at the facility for a period of at least five years. These records shall be made available for Ohio EPA or their representatives to review during normal working hours.

D. **Reporting Requirements**

1. The permittee shall submit temperature deviation (excursion) reports that identify all periods of time during which the secondary combustion chamber exhaust gas temperatures did not comply with the temperature limitation

specified above. The deviation reports shall include the following information:

a. the date of the excursion;
b. the time interval over which the excursion occurred;
c. the temperature values during the excursion;
d. the cause(s) for the excursion; and
e. the corrective action which has been or will be taken to prevent similar excursions in the future.

This report shall be sent to the Ohio EPA, Northeast District Office within forty-five (45) days of the excursion.

E. **Testing Requirements**

1. Compliance with the emission limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:

PE shall not exceed 0.10 pound per 100 pounds of material charged.

Applicable Compliance Method:

If required, compliance shall be demonstrated by performing an emission test in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(8).
Emission Limitation:

NOx emissions shall not exceed 0.68 lb/hr.

Applicable Compliance Method:

Compliance with the hourly NOx emission limitation shall be demonstrated by multiplying the NOx emission factor of 3 lbs/ton by the maximum rated capacity of the incinerator (100 lbs/hr), and then dividing by 2000 lbs/ton.

The NOx emission factor was obtained from AP-42, 5th Edition, Chapter 2.1 (Refuse Combustion), Table 2.1-12, dated October, 1996.
Emission Limitation:

NOx emissions shall not exceed 2.98 tons per year.

Applicable Compliance Method:

The tons per year emission limitation was developed by multiplying the short-term allowable NOx emission limitation calculated above (0.68 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.
Emission Limitation:

Visible particulate emissions shall not exceed 5% opacity as a 6-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated based on visible particulate emission observations performed in accordance with the method and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

F. **Miscellaneous Requirements**

1. None