Facility ID: 0857083230 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: 0857083230 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 - BL Human Crematory Model N-20AA with afterburner	OAC rule 3745-31-05 (A)(3)	0.10 pound particulate/100 pounds material charged, 0.66TPY particulates
		5% opacity visible emissions, as a six-minute average
	OAC rule 3745-17-09 (B)	The limit based on this rule is the same as the particulate limit established above as BAT under 3745-31-05.
	OAC rule 3745-17-07 (A)	The limits based on this rule are less stringent than the limits established above

2. **Additional Terms and Conditions**

   (a) None

B. **Operational Restrictions**

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

2. This incinerator shall be equipped with a lockout system which will prevent the ignition of waste until the exit gas temperature of the secondary chamber reaches 1600 degrees Fahrenheit and which will prevent recharging until the combustion and burn-down cycles are complete.

3. This incinerator, including all associated equipment and grounds, shall be designed, operated and maintained to prevent the emission of objectionable odors

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 secondary combustion chamber temperature, in degrees Fahrenheit, during each cremation cycle. The temperature monitors and recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. The monitoring devices shall be capable of accurately measuring the desired parameter.

2. The permittee shall maintain a log of all periods of time when the emissions unit is in operation and the secondary combustion chamber temperature 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 limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
   Emission Limitation -
   0.10 pound particulates/100 pounds of material charged

Applicable Compliance Method -
If required, compliance with this mass emission limitation shall be based upon stack testing per OAC rule 3745-17-03(B)(8).
Emission Limitation -
0.66 TPY particulates

Applicable Compliance Method -
This limit is based on the maximum rated capacity of the emissions unit (150 pounds of pathological waste/hour) multiplied by the allowable emission limit of 0.10 pound particulate matter/100 pounds charged. The result, 0.15 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 particulate/100 pounds of material charged, compliance will also be shown with the annual limitation.
Emission Limitation -
5% visible emissions 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. None