

Facility ID: 1483000162 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: 1483000162 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> |
|---|--------------------------------------|--|
| N002-100 lb/hr incinerator w/afterburner | OAC rule 3745-31-05 (PTI 14-3793) | Particulate Emissions (PE) shall not exceed 0.1 lb/hr and 0.44 TPY. Nitrogen Oxide (NOx) emissions shall not exceed 0.15 lb/hr and 0.66 TPY. Carbon Monoxide (CO) emissions shall not exceed 0.015 lb/hr and 0.06 TPY. |
| | OAC rule 3745-17-07(A) | Visible emissions shall not exceed 10% opacity, except for one six-minute period per hour during which the opacity shall not exceed 30% as a six-minute average. |
| | OAC rule 3745-17-09(B) | The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3). Particulate Emissions (PE) shall not exceed 0.1 pound per 100 pounds charged. |
| | OAC rule 3745-17-09(C) | See term A.2.b. |

2. **Additional Terms and Conditions**
 - (a) Materials listed as hazardous in 40 CFR Part 261 Subpart D shall not be incinerated in this emissions unit.
The incinerator, including all associated equipment and grounds, shall be designed, operated and maintained so as to prevent the emissions of objectionable odors.

B. Operational Restrictions

1. The permittee shall maintain the secondary combustion chamber for this emission unit at an exit gas temperature of not less than 1600 degrees Fahrenheit for the entire combustion and burn-down cycle.
2. The permittee shall not charge this emission unit with infectious wastes as defined by Ohio Administrative Code 3745-75-01 nor materials listed as Hazardous in 40 CFR Part 261 Subpart D.

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 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. The monitoring and recording devices shall be capable of accurately measuring the desired parameter.
2. The facility shall keep daily records of the amount and type of waste incinerated. These daily records shall be retained in the company files for a period of not less than three years and shall be made available to the Director, or any authorized representative during normal business hours.

D. Reporting Requirements

1. The permittee shall notify the Hamilton County Department of Environmental Services of any record showing that

the secondary combustion chamber temperature fell below 1600 degrees Fahrenheit during any combustion and burn down cycle.

These reports shall be submitted by February 1, May 1, August 1, and November 1 of each year and shall address the data obtained during the previous calendar quarter.

E. Testing Requirements

1. Emissions Limitation:
Particulate Emissions (PE) shall not exceed 0.1 lb/hr and 0.44 TPY.

Applicable Compliance Method:
The 0.1 lb/hr emission limitation is based on stack test information submitted by the permittee in the PTI application. The 0.44 TPY limitation was developed by multiplying the 0.1 lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
2. Emissions Limitation:
Nitrogen Oxide (NOx) emissions shall not exceed 0.15 lb/hr and 0.66 TPY.

Applicable Compliance Method:
The 0.15 lb/hr emission limitation is based on stack test information submitted by the permittee in the PTI application. The 0.66 TPY limitation was developed by multiplying the 0.15 lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
3. Emissions Limitation:
Carbon Monoxide (CO) emissions shall not exceed 0.015 lb/hr and 0.06 TPY.

Applicable Compliance Method:
The 0.015 lb/hr emission limitation is based on stack test information submitted by the permittee in the PTI application. The 0.06 TPY limitation was developed by multiplying the 0.015 lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
4. Emissions Limitation:
Visible emissions shall not exceed 10% opacity, except for one six-minute period per hour during which the opacity shall not exceed 30% as a six-minute average.

Applicable Compliance Method:
Compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.
5. Compliance with the secondary combustion chamber requirement shall be demonstrated by the recordkeeping required in section C.1.
6. Emission Limitation:
PE shall not exceed 0.10 pound particulate matter per 100 pounds material charged.

Applicable Compliance Method:
If required compliance with this mass emission limitation shall be based upon stack testing conducted using Methods 1-4 and 5 from 40 CFR Part 60.

F. Miscellaneous Requirements

1. If probable cause exists which indicates that this emissions unit is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this emissions unit into compliance.