

Facility ID: 1318457531 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: 1318457531 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>
N001 - 150 lbs/hr multiple chamber incinerator equipped with afterburner	OAC rule 3745-31-05(A)(3) (PTI 13-1891 issued 11/30/88)	The requirements of this rule include compliance with OAC rules 3745-17-09(B) and 3745-17-09(C).  Particulate Emissions (PE) shall not exceed 0.66 ton/year.  Visible PE shall not exceed 5% opacity, as a six-minute average.
	OAC rule 3745-17-07(A)	The emission limitation specified by this rule is less stringent than the emission limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-09(B)	Particulate emissions shall not exceed 0.10 pound per 100 pounds of material charged.
	OAC rule 3745-17-09(C)	See A.2.a.

2. **Additional Terms and Conditions**
  - (a) This incinerator and all associated equipment and grounds shall be operated and maintained so as to prevent the emission of objectionable odors.

**B. Operational Restrictions**

1. The multiple chamber incinerator shall be operated and maintained in accordance with the manufacturer's specifications.
2. The afterburner shall be operated 15 minutes prior to ignition of charge used during the entire burn cycle and shall maintain a minimum temperature of 1850 Fahrenheit.
3. The afterburner shall not be operated unless the temperature monitoring devices are operating properly.
4. The afterburner chamber shall be inspected and cleaned monthly.
5. Ashes shall be removed from the primary chamber after each use.
6. The permittee shall not charge the incinerator with "infectious waste" as defined in OAC rule 3745-75-01(B)(27).
7. To the extent possible, non-combustible material shall be removed from the material charged to this emissions unit.

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

1. The permittee shall operate and properly maintain a temperature gauge which monitors the temperature of the afterburner.
2. The permittee shall collect and maintain monthly records on site of:
  - a. the temperature each time the afterburner is operated;
  - b. the inspection and cleaning dates for the afterburner chamber;

- c. the date the ashes were removed/person who removed them; and
- d. copies of contractor's invoices for maintenance/repairs for both the afterburner and incinerator.

**D. Reporting Requirements**

1. In accordance with the general terms and conditions of this permit, the permittee shall submit deviation (excursion) reports to the Cleveland Division of Air Quality (CDAQ) within 30 days of any deviation. The report (s) shall provide the following information:
  - a. for each day during which the afterburner exhaust gas temperature dropped below the 1850 F limitation:
    - i. the date of the excursion;
    - ii. the time interval during which each excursion occurred; and
    - iii. the temperature value during each excursion.
      - b. the date for each time the afterburner was not operated 15 minutes prior to ignition of charge and/or during the entire burn; and
      - c. the date for each instance ashes were not removed from the primary chamber.

**E. Testing Requirements**

1. Compliance with the emission limits in Section A.10f of this permit shall be determined in accordance with the following methods:
  - a. Emission Limitation:
 

Visible particulate emissions shall not exceed 5%, as a six-minute average.

Applicable Compliance Method:

If required, compliance shall be determined using U.S. EPA Method 9 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:
 

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

Applicable Compliance Method:

If required, compliance with this mass emission limitation shall be determined through stack testing per OAC rule 3745-17-03(B)(8) using Methods 1-5 of 40 CFR Part 60, Appendix A.
  - c. Emission Limitation:
 

PE shall not exceed 0.66 ton/year.

Applicable Compliance Method:

The annual limitation was determined using the following equation at the maximum charge weight of 150 lbs/hr and 8760 hrs/yr:

$$(0.10 \text{ lb PE} / 100 \text{ lbs})(150 \text{ lbs/hr})(8760 \text{ hrs/yr})(1 \text{ ton}/2000 \text{ lbs}) = 0.66 \text{ TPY PE}$$

Provided compliance is maintained with the short-term emission limit (0.10 lb PE/ 100 lbs charged), compliance will be assumed with the annual emission limitation.

**F. Miscellaneous Requirements**

1. None