Facility ID: 1677050152 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

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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
natural gas-fired, multiple chamber (primary and secondary) incinerator, batch charging, rated capacity 10 lbs/hr, burning Type 6 waste	OAC rule 3745-31-05 (PTI 16-1132)	0.013 lb/hr of particulates 0.002 lb/hr of sulfur dioxide 0.027 lb/hr of nitrogen oxides 0.017 lb/hr of hydrocarbons See A.2.a below.
	OAC rule 3745-17-09	0.20 pound of particulates per 100 pounds of material charged
	OAC rule 3745-17-07	See A.2.b below.

2. **Additional Terms and Conditions**

   (a) Visible particulate emissions shall not exceed 1% opacity as a 6-minute average from any stack. The visible particulate emissions limitation required by OAC rule 3745-17-07 is less stringent than the visible particulate emissions limitation established by the best available technology requirements under OAC rule 3745-31-05.

B. **Operational Restrictions**

1. The permittee shall only burn natural gas as fuel in this emissions unit.

2. The permittee shall not process parts which may emit vapors of toxic metals such as lead or mercury. The permittee shall not process parts or materials containing coatings or plastics which contain halogens such as chlorine, fluorine, or bromine. This emissions unit shall be used to process organic polymers containing only carbon, hydrogen, and oxygen.

3. Batch incinerators (fully loaded while cold and never opened until the burn cycle is complete) shall incorporate a lockout system, which will prevent the ignition of waste until the exhaust gas temperature of the secondary combustion chamber reaches 1400 degrees Fahrenheit.

4. The secondary combustion chamber of the emissions unit shall operate so that the exhaust gas temperature is a minimum of 1400 degrees Fahrenheit until the wastes are completely combusted and the burn-down cycle is complete.

5. The incinerator shall be operated, maintained, and cleaned according to the manufacturer's recommendations so as to prevent the emissions 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 temperature of the exhaust gases from the secondary combustion chamber 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.

2. The permittee shall collect and record the following information each day the emissions unit is in operation:

   a. all periods of time during which the temperature of the exhaust gases from the incinerator, when the emissions unit was in operation, was below the minimum secondary combustion chamber exhaust gas temperature of 1400 degrees Fahrenheit as specified above; and

b. a log of the downtime for the monitoring equipment, when the associated emissions unit was in operation.

3. The permittee shall maintain a written log that records the amount of material charged on either a pounds per hour or pounds per batch basis.

D. **Reporting Requirements**

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

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition 3 of this permit.

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:

1% opacity as a 6-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)
Emission Limitation:

0.013 lb/hr of particulates

Applicable Compliance Method:

If necessary, the permittee may be required to demonstrate compliance with the above limitation by testing in accordance with USEPA Method 5, 40 CFR Part 60, Appendix A.
Emission Limitation:

0.20 pound of particulates per 100 pounds charged

Applicable Compliance Method:

If necessary, the permittee may be required to demonstrate compliance with the above limitation by testing in accordance with USEPA Method 5, 40 CFR Part 60, Appendix A.
Emission Limitation:

0.002 lb/hr of sulfur dioxide

Applicable Compliance Method:

If necessary, the permittee may be required to demonstrate compliance with the above limitation by testing in accordance with USEPA Method 6, 40 CFR Part 60, Appendix A.
Emission Limitation:

0.027 lb/hr of nitrogen oxides

Applicable Compliance Method:

If necessary, the permittee may be required to demonstrate compliance with the above limitation by testing in accordance with USEPA Method 7, 40 CFR Part 60, Appendix A.
Emission Limitation:

0.017 lb/hr of hydrocarbons

Applicable Compliance Method:

If necessary, the permittee may be required to demonstrate compliance with the above limitation by testing in accordance with USEPA Method 25, 40 CFR Part 60, Appendix A.

F. **Miscellaneous Requirements**

1. The permittee shall comply with any applicable State and federal requirements governing the storage, treatment, transport, and disposal of any waste material generated by the operation of the emissions unit.