

Facility ID: 1652050113 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: 1652050113 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>
75 pound per hour (average), batch charging, cremator for the cremation of animal remains (PTI 16-1931)	OAC rule 3745-31-05	Visible particulate emissions from any stack shall not exceed 1% opacity, as a 6-minute average, except during startup.
	OAC rule 3745-17-09	See 2.a below.
	OAC rule 3745-17-07	0.20 pound of particulates per one hundred pounds of waste charged See 2.b below.

2. Additional Terms and Conditions

- (a) Startup shall be defined as the period of time from which the burners are lit until the exhaust gas temperature from the secondary combustion chamber reaches 1400 degrees. This period of time shall not exceed 3 hours.
The visible particulate emissions limitation required by this applicable rule is less stringent than the visible particulate emissions limitation established by best available technology under OAC rule 3745-31-05.

B. Operational Restrictions

1. The incinerator shall be of a multiple chamber (primary and secondary chambers with a minimum 1- second secondary chamber retention), controlled-air design with a low-NOx burner in the primary chamber rated at 0.8 million Btu per hour heat input, and a low-NOx afterburner in the secondary chamber rated at 0.8 million Btu per hour heat input.
2. The crematory incinerator shall be designed, built, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s).
3. The permittee shall charge only animal remains, and associated bedding materials, to this emissions unit.
4. The permittee shall employ only natural gas as fuel in this emissions unit.
5. This cremator 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.
6. The secondary combustion chamber shall operate so that the exhaust gas is a minimum of 1400 degrees Fahrenheit throughout the burn-down cycle until the wastes are completely combusted.

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. The temperature shall be measured and recorded in degrees Fahrenheit. The monitoring and recording device(s) 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.

The incinerator shall not be operated unless the temperature monitoring and recording device(s) are operating properly.

2. The permittee shall collect and record the following information each day the emissions unit is in operation:
 - a. a log of the downtime for the monitoring and recording equipment, when the associated emissions unit was in operation;
 - b. all periods of time during which the temperature of the exhaust gases from the secondary combustion chamber, 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,
 - c. the weight of each charge.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports to Akron Air Pollution Control, the Ohio EPA representative for this facility, when the temperature of the exhaust gas of the secondary chamber is less than 1400 degrees Fahrenheit (except for momentary excursions). This report should include:
 - a. the date of the excursion;
 - b. the temperature of the secondary chamber exhaust gas at the time of the excursion; and
 - c. the weight of the charge at the time the excursion occurred.

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:

0.20 pound of particulates per one hundred pounds of waste charged

Applicable Compliance Method:

If required by Ohio EPA, compliance with this emission limitation shall be demonstrated using Test Method 5 of 40 CFR, Part 60, Appendix A. Otherwise, compliance shall be demonstrated by visible emissions levels of not more than 1% from the stack(s) which serve this emissions unit.

Emission Limitation:

1% opacity from any stack, as a 6-minute average, except during startup

Applicable Compliance Method:

Compliance with this emission limitation shall be demonstrated using USEPA Method 9, 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

1. None