

Facility ID: 1667060121 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: 1667060121 Emissions Unit ID: N003 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
Tool cleaning pyrolytic incinerator No. 3 - natural gas, multiple chamber (primary and secondary) batch charged, rated at 10 lbs/hr, burning type 6 waste	OAC rule 3745-31-05(A)(3)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-17-09. 0.2 pound of particulate per 100 pounds of materials charged 0.09 tpy particulate 0.03 lb/hr nitrogen oxides (NOx) 0.13 tpy NOx 0.02 lb/hr organic compound (OC) 0.09 tpy OC 0.002 lb/hr sulfur dioxide (SO2) 0.01 tpy SO2 0.05 lb/hr carbon monoxide (CO) 0.22 tpy CO 5% opacity as a 6-minute average See A.2.a below. See A.2.b below.
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-09	

2. **Additional Terms and Conditions**
 - (a) The emissions limitation based on this applicable rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05. The emissions limitation based on this applicable rule is equivalent to the emissions limitation established pursuant to OAC rule 3745-31-05.

B. Operational Restrictions

1. The permittee shall only employ 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 chloride, fluorine, or bromine.
3. The incinerator shall be operated, maintained, and cleaned according to the manufacturer's recommendations so as to prevent the emissions of objectionable odors.
4. No parts or materials shall be charged until sufficient time has been allowed for the preheating of the secondary chamber. Both the primary and secondary burners shall be kept in operation during the entire time the incinerator is in use. The auxiliary burner shall be fired until the necessary burn-down time is achieved.

5. The secondary chamber shall be maintained at a temperature of at least 1400 degrees Fahrenheit.
- 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 within the secondary chamber of the thermal incinerator 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 for each day:
 - a. all 3-hour blocks of time during which the average combustion temperature within the secondary chamber of the thermal incinerator, when the emissions unit was in operation, was less than 1400 degrees Fahrenheit; and
 - b. a log of the downtime for the control device and monitoring equipment, when the associated emissions unit was in operation.
- D. Reporting Requirements**
1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average temperature within the secondary chamber of the thermal incinerator 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 section A.1 of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:
5% opacity as a 6-minute average

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)

Emission Limitation:
0.2 pound of particulates per 100 pounds of materials charged
0.09 tpy of particulates

Applicable Compliance Method:
Future testing may be required in accordance with the procedures in Method 5 of 40 CFR Part 60, Appendix A.

Emission Limitation:
0.02 lb/hr of OC
0.09 tpy of OC

Applicable Compliance Method:
Multiply the AP-42 (7/98) Table 1.4-2 emission factor of 5.5 pounds per million cubic feet of material charged by the design capacity of the incinerator, in cubic feet per hour.

Emission Limitation:
0.03 lb/hr of NOx
0.13 tpy of NOx

Applicable Compliance Method:
Multiply the AP-42 (7/98) Table 1.4-1 emission factor of 100 pounds per million cubic feet of material charged by the design capacity of the incinerator, in cubic feet per hour.

Emission Limitation:
0.002 lb/hr of SO2
0.01 tpy of SO2

Applicable Compliance Method:
Multiply the AP-42 (7/98) Table 1.4-2 emission factor of 0.6 pound per million cubic feet of material charged by the design capacity of the incinerator, in cubic feet per hour.

Emission Limitation:
0.002 lb/hr of CO
0.07 tpy of CO

Applicable Compliance Method:
Multiply the AP-42 (7/98) Table 1.4-1 emission factor of 84 pounds per million cubic feet of material charged by the design capacity of the incinerator, in cubic feet per hour.
- F. Miscellaneous Requirements**
1. None