

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: 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>
Multiple chamber incinerator-tool cleaning furnace	OAC rule 3745-31-05 See F.1 below.	0.11 lb/hr of particulate matter 0.006 lb/hr of organic compounds 0.008 lb/hr of SO2 0.162 lb/hr of NOx 0.08 lb/hr of CO 0.058 TPY of HCl
	OAC rule 3745-17-09 See F.1 below.	See A.2.a below.

**2. Additional Terms and Conditions**

- (a) The particulate matter emission limitation required by OAC rule 3745-17-09 is less stringent than the particulate matter emission limitation required by best available technology.

**B. Operational Restrictions**

1. The average temperature of the exhaust gases from the secondary chamber of the incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1400 degrees Fahrenheit, where 1400 is the temperature value that is equivalent to 50 degrees below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
2. The permittee shall use only natural gas as fuel for combustion in this emissions unit.

**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 combustion temperature within 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.

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 thermal incinerator, when the emissions unit was in operation, was less than 1400 degrees Fahrenheit, where 1400 is the temperature value that is equivalent to 50 degrees below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and
- b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

**D. Reporting Requirements**

1. The permittee shall submit quarterly temperature deviation (excursion) reports that identify all 3-hour blocks of time during which the average temperature of the exhaust gases from the thermal incinerator does not comply with the temperature limitation specified above.

**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:

0.11 lb/hr of particulate matter

Applicable Compliance Method:

The particulate emission factor of 0.055 pound per hour was provided by the facility in the permit application.

Emission Limitation:

0.006 lb/hr of organic compounds

Applicable Compliance Method:

The organic emission factor of 0.003 pound per hour was provided by the facility in the permit application.

Emission Limitation:

0.008 lb/hr of SO<sub>2</sub>

Applicable Compliance Method:

The SO<sub>2</sub> emission factor of 0.004 pound per hour was provided by the facility in the permit application.

Emission Limitation:

0.162 lb/hr of NO<sub>x</sub>

Applicable Compliance Method:

The NO<sub>x</sub> emission factor of 0.004 pound per hour was provided by the facility in the permit application.

Emission Limitation:

0.08 lb/hr of CO

Applicable Compliance Method:

The CO emission factor of 0.04 pound per hour was provided by the facility in the permit application.

Emission Limitation:

0.058 lb/hr of HCl

Applicable Compliance Method:

Multiply the HCl emission factor of 0.5 pound of HCl per 1 pound of PVC incinerated by the composition of 1% PVC of total plastic to be incinerated by the maximum hourly incineration rate.

**F. Miscellaneous Requirements**

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 16-1228, as issued on February 24, 1993: A, B, C, D and E.