

Facility ID: 1677010025 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.

[Go to Part II for Emissions Unit N001](#)

[Go to Part II for Emissions Unit P003](#)

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Facility ID: 1677010025 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>
Controlled pyrolysis cleaning furnace	OAC rule 3745-31-05 (PTI 16-1196)	0.013 lb/hr of particulate matter (PM)
		0.027 lb/hr of nitrogen oxides (NOx)
		0.002 lb/hr of sulfur dioxide (SO2)
		0.040 lb/hr of carbon monoxide (CO)
		0.017 lb/hr of hydrocarbons (HC)
	OAC rule 3745-17-07	20% opacity as a 6-minute average, except as provided by rule
	OAC rule 3745-17-09	See A.2.a and A.2.b below.

2. Additional Terms and Conditions

- (a) The emissions limit based on this applicable rule is less stringent than the emissions limit established pursuant to OAC rule 3745-31-05. This emissions unit, including all associated equipment and grounds, shall be designed, operated and maintained so as to prevent the emissions of objectionable odors.

B. Operational Restrictions

1. The permittee shall operate the emissions unit in accordance with the recommendation of the manufacturer.
2. The secondary chamber shall be maintained at a temperature of at least 1400 degrees Fahrenheit.
3. The permittee shall not process parts which may emit vapors of toxic metals such as lead or mercury.
4. The permittee shall not process parts or materials containing coatings or plastics which contain halogens such as chlorine, fluorine, or bromine.
5. The emissions unit shall be used to process organic polymers containing only carbon, hydrogen, and oxygen.
6. The emissions unit shall be fired with natural gas only.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day of incinerator operation:
 - a. any materials supplied to the incinerator containing toxic metals with a detailed list of each toxic metal present;
 - b. any materials supplied to the incinerator containing halogens with a detailed list of each halogen present; and
 - c. any materials supplied to the incinerator containing organic polymers other than the carbon, hydrogen, and oxygen organic polymers allowed in Section B.5 above.

D. Reporting Requirements

1. None

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:

0.013 lb/hr of PM

Applicable Compliance Method:

Multiply the particulate emission factor of 11.9 pounds of particulate emissions per million cubic feet of natural gas by the maximum million cubic feet of natural gas per hour. Also, emission tests may be required in the future pursuant to OAC rule 3745-17-03(B)(8).

Emission Limitation:

0.002 lb/hr of SO₂

Applicable Compliance Method:

Multiply the sulfur dioxide emission factor of 0.6 pound of sulfur dioxide emissions per million cubic feet of natural gas by the maximum million cubic feet of natural gas per hour.

Emission Limitation:

0.017 lb/hr of HC

Applicable Compliance Method:

Multiply the hydrocarbons emission factor of 5.8 pounds of hydrocarbons emissions per million cubic feet of natural gas by the maximum million cubic feet of natural gas per hour.

Emission Limitation:

0.027 lb/hr of NO_x

Applicable Compliance Method:

Multiply the nitrogen oxides emission factor of 100 pounds of nitrogen oxides emissions per million cubic feet of natural gas by the maximum million cubic feet of natural gas per hour.

Emission Limitation:

0.040 lb/hr of CO

Applicable Compliance Method:

Multiply the carbon monoxide emission factor of 21 pounds of carbon monoxide emissions per million cubic feet of natural gas by the maximum million cubic feet of natural gas per hour.

Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

1. None

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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>
Vacuum system to transfer resins into and out of storage silos	OAC rule 3745-31-05 (PTI 16-1196)	1.0 lb/hr of particulate matter (PM) See A.2.a below.
	OAC rule 3745-17-07	20% opacity as a 6-minute average, except as provided by rule
	OAC rule 3745-17-11	See A.2.b below.

2. **Additional Terms and Conditions**

- (a) The permittee shall operate hoods, fans, and other equipment to enclosed, contain, capture, vent, and control particulate matter. Fabric filters, baghouses and baghouse filters shall be employed to control particulate emissions.
The emissions limit based on this applicable rule is less stringent than the emissions limit established pursuant to OAC rule 3745-31-05.

B. **Operational Restrictions**

1. None

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

1. None

D. **Reporting Requirements**

1. None

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:

1.0 lb/hr of PM

Applicable Compliance Method:

Stack testing may be required in the future in accordance with the test method(s) and procedures in OAC rule 3745-17-03(B)(10).

Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

F. **Miscellaneous Requirements**

1. None