Facility ID: 1677100009 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: 1677100009 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Pyrolytic Incinerator, PTR-88	PTI #16-1242	0.013 lb/hr particulate matter 0.027 lb/hr nitrogen oxides 0.002 lb/hr sulfur oxides 0.050 lb/hr carbon monoxide 0.017 lb/hr hydrocarbons
	OAC 3745-17-07	20% opacity as a six-minute average
	OAC 3745-17-09	see A.2.a below

2. **Additional Terms and Conditions**

   (a) This incinerator, including all associated equipment and grounds, shall be designed, operated and maintained so as to prevent the emission of objectionable odors.

B. **Operational Restrictions**

1. The permittee shall operate incinerator N001 in accordance with the recommendations of the manufacturer.

2. The secondary combustion chamber shall be maintained at a temperature of at least 1400 degrees Fahrenheit.

3. This emissions unit shall only be fired with natural gas.

4. The permittee shall not process parts which may emit vapors of toxic metals such as lead or mercury.

5. The permittee shall not process parts or materials containing coatings or plastics which contain halogens such as chloride, flourine, or bromine.

6. This emissions unit shall be used to process organic polymers containing only carbon, hydrogen, nitrogen, and oxygen.

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

1. The permittee shall collect and record the following information each day of incinerator operation:

   (i) any materials supplied to the incinerator containing toxic metals with a detailed list of each toxic metal present;

   (ii) any materials supplied to the incinerator containing halogens with a detailed list of each halogen present; and

   (iii) any materials supplied to the incinerator containing organic polymers other than the carbon, hydrogen, nitrogen, and oxygen organic polymers allowed in B.6 above.

D. **Reporting Requirements**

1. None

E. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I of these terms and conditions shall be determined in

accordance with the following method(s):

Emission Limitation

0.013 lb/hr particulate matter

Applicable Compliance Method

Multiply the particulate emissions factor of 11.9 pound(s) 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 sulfur oxides

Applicable Compliance Method

Multiply the sulfur oxides emissions factor of 0.6 pound(s) of sulfur oxides 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 hydrocarbons

Applicable Compliance Method

Multiply the hydrocarbons emissions factor of 5.8 pound(s) 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 nitrogen oxides

Applicable Compliance Method

Multiply the nitrogen oxides emissions factor of 100 pound(s) of nitrogen oxides emissions per million cubic feet of natural gas by the maximum million cubic feet of natural gas per hour.

Emission Limitation

0.050 lb/hr carbon monoxide

Applicable Compliance Method

Multiply the carbon monoxide emissions factor of 21 pound(s) of carbon monoxide emissions per million cubic feet of natural gas by the maximum million cubic feet of natural gas per hour.

F. **Miscellaneous Requirements**

1. Waste Disposal:

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.