

Facility ID: 1677010219 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: 1677010219 Emissions Unit ID: P054 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>
Natural Gas Fired Reveratory Furnace	PTI #16-1572	3.38 lbs/hr of particulate matter 0.60 lb/hr of nitrogen oxides 0.76 lb/hr of carbon monoxide 0.02 ton/yr of sulfur dioxide 0.12 ton/yr of organic compounds
	OAC 3745-17-07 OAC 3745-17-11	

**2. Additional Terms and Conditions**

- (a) None

**B. Operational Restrictions**

1. The furnace shall be fired only with natural gas.
2. The aluminum melting furnace shall be charged with pure bar stock and dry, sawed-off pieces of solid aluminum. Aluminum chips or turnings from machining and/or materials bearing oil, grease, paint, or paper shall not be employed.

**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

3.38 lbs/hr of particulate matter

Applicable Compliance Method

Multiply the particulate emissions factor of 3.8 pounds of particulate emissions per ton of metal melted by the maximum hourly rate of metal melted.

Emission Limitation

0.60 lb/hr of nitrogen oxides

Applicable Compliance Method

Multiply the nitrogen oxides emissions factor of 0.15 pound of nitrogen oxides emissions per million Btu by the maximum million Btu per hour.

Emission Limitation

0.02 ton/yr of sulfur dioxide

Applicable Compliance Method

Multiply the sulfur dioxide emissions factor of 0.001 pound of sulfur dioxide per million Btu by the maximum million Btu per hour by the maximum operating hours per year divided by 2000.  
Emission Limitation

0.76 lb/hr of carbon monoxide

Applicable Compliance Method

Multiply the carbon monoxide emissions factor of 0.19 pound of carbon monoxide per million Btu by the maximum million Btu per hour.  
Emission Limitation

0.12 ton/yr of organic compounds

Applicable Compliance Method

Multiply the organic compounds emissions factor of 0.007 pound of organic compounds per million Btu by the maximum million Btu per hour by the maximum hours of operation per year divided by 2000.

F. **Miscellaneous Requirements**

1. None