

Facility ID: 1677000009 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: 167700009 Emissions Unit ID: P001 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>
P001 - Central aluminum remelt and holding furnace.	OAC rule 3745-31-05(A)(3) (PTI 16-02194)	1.6 pounds of particulate emissions (PE) per hour
		7.0 tons of PE per year
		Visible particulate emissions from any stack shall not exceed 10 percent opacity, as a six-minute average.
		0.63 pound of nitrogen oxides (NOx) per hour
		2.8 tons of NOx per year
		0.84 pound of carbon monoxide (CO) per hour
	OAC rule 3745-17-07(A)	3.7 tons of CO per year
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
		The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**
  - (a) None

**B. Operational Restrictions**

1. This emissions unit shall only be charged with clean aluminum material (i.e., ingots, sow etc.) that contain no oil, paint, lubricants, coatings, or other foreign materials.
2. The permittee shall burn only natural gas in this emissions unit.

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

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

**E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):  
Emission Limitation  
10 percent opacity, as a six-minute average

Applicable Compliance Method

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

1.6 pounds of PE per hour

Applicable Compliance Method

Multiply the particulate emissions factor of 1.1 pounds of particulate emissions per ton of material processed \* by the maximum hourly production rate.

\*Emission factor is from Air Quality Permits, A Handbook for Regulators and Industry, Volume II, Chapter 11, Table 11-2 (dated 5/30/1991).  
Emission Limitation

7.0 tons of PE per year

Applicable Compliance Method

Multiply the allowable hourly emission limitation for particulate emissions by 8760 hours per year, then divide by 2000.  
Emission Limitation

0.63 pound of NOx per hour

Applicable Compliance Method

Multiply the nitrogen oxides emissions factor of 0.097 pound of nitrogen oxides per million Btu\* by the maximum hourly input capacity.

\*Emissions factor is from the Plant Combustion Emissions Survey for NOx and CO (copyright 1994) provided by the permittee.  
Emission Limitation

2.8 tons of NOx per year

Applicable Compliance Method

Multiply the allowable hourly emission limitation for nitrogen oxides by 8760 hours per year, then divide by 2000.  
Emission Limitation

0.84 pound of CO per hour

Applicable Compliance Method

Multiply the carbon monoxide emissions factor of 0.134 pound of carbon monoxide per million Btu\* by the maximum hourly input capacity.

\*Emissions factor is from the Plant Combustion Emissions Survey for NOx and CO (copyright 1994) provided by the permittee.  
Emission Limitation

3.7 tons of CO per year

Applicable Compliance Method

Multiply the allowable hourly emission limitation for carbon monoxide by 8760 hours per year, then divide by 2000.

F. **Miscellaneous Requirements**

1. None