

Facility ID: 1652070000 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: 1652070000 Emissions Unit ID: P901 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>
electric induction copper alloy melt furnace, batch operation, 1000 lbs/hr maximum process weight rate capacity, controlled by a fabric filter commonly shared with emissions unit P902	OAC rule 3745-31-05 (PTI 16-517)	0.39 lb/hr of lead and lead compounds (from emissions unit P901 only)
	OAC rule 3745-17-07	See A.2.a and A.2.b below.
	OAC rule 3745-17-08	See A.2.c below.
	OAC rule 3745-17-11	2.58 lbs/hr of particulate emissions (from emissions unit P901 only)
		See A.2.b below.
	OAC rule 3745-71-05	See E.1.b below.

**2. Additional Terms and Conditions**

- (a) Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, from any stack, except as provided by rule. Visible particulate emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average. The permittee shall minimize or eliminate emissions of particulates from this emissions unit by the following procedures:
  - i. the employment of a properly installed fabric filter, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
  - ii. the employment of properly installed hoods, ducts, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to the fabric filter.

**B. Operational Restrictions**

1. Raw materials for furnace charging shall be essentially void of dirt, grease, and oils.
 

The permittee shall only employ pure copper alloy ingots and company generated scrap.

The machining operations which produce the majority of scrap for this emissions unit shall employ a water-based coolant.
2. The fabric filter shall be employed at all times when the emissions unit is in operation.

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

1. The permittee shall perform daily checks for any visible particulate emissions from the fabric filter control system for the electric induction melt furnace, while the melt furnace is in operation. The presence or absence of any visible emissions from the fabric filter control system shall be noted in an operations log. If any visible emissions are observed from the system, corrective actions shall be taken to eliminate the visible emissions and these actions shall also be noted in the operations log.

**D. Reporting Requirements**

1. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any visible particulate emissions were observed from the fabric filter control system and (b) describes the corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted by January 31 and July 31 of each year to the Director (District Office or local air agency).

**E. Testing Requirements**

1. Compliance with the emission limitations in sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:

2.58 lbs/hr of particulate emissions

Applicable Compliance Method:

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

Emission Limitation:

0.39 lb/hr of lead and lead compounds

Applicable Compliance Method:

Stack testing may be required in the future in accordance with the procedures and test method(s) specified in OAC rule 3745-71-05.

Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

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

Emission Limitation:

20% opacity as a 3-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(3)

**F. Miscellaneous Requirements**

1. None