Facility ID: 0857040034 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: 0857040034 Emissions Unit ID: P011 Issuance type: Final State Permit To Operate

Go to the top of this document

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
coreless induction furnace - Inductotherm furnace no.1 controlled with the Harzell baghouse	OAC rule 3745-31-05 (PTI 08-229)	0.33 lb/hr of particulates
	OAC rule 3745-17-07(A)	See A.2.a below.
	OAC rule 3745-17-11	See A.2.b below.

2. **Additional Terms and Conditions**

   (a) Visible particulate emissions, from any stack, shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
   The particulate emissions limitation based on OAC rule 3745-17-11 is less stringent than the particulate emissions limitation established in accordance with the best available technology requirements specified in OAC rule 3745-31-05.
   The emissions units P010, P011, P012, P013, and P014 are melting furnaces located in the melt building. Particulate emissions from these five emissions units are controlled through the application of a common baghouse. The visible emissions limitation specified above applies to the exhaust from the common baghouse control.
   The 0.33 lb/hr particulate emissions limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and reporting requirements to ensure compliance with this limit.
   The permittee shall comply with the Best Management Plan (BMP) for this emissions unit submitted to the Regional Air Pollution Control Agency (RAPCA) on December 27, 1997, as may from time to time be amended with prior notification to and approval from RAPCA.

B. **Operational Restrictions**

1. The total amount of metal melted for emissions units P010, P011, P012, P013, and P014 combined shall not exceed 10,000 tons per calendar year.

2. The pressure drop across the baghouse shall be maintained within the range of 2.0 to 6.0 inches of water while the emissions unit is in operation, except for a brief period of time (i.e., approximately 30 minutes) after bag replacement.

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

1. The permittee shall collect and record the amount of metal melted each month, in tons, combined for emissions units P010, P011, P012, P013, and P014.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall operate and be maintained in accordance with the manufacturer's recommendation with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the baghouse on a daily basis.

D. **Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition 3.

3. The permittee shall submit annual reports which specify the total amount of metal melted, in tons. These reports shall be submitted by January 31 of each year.

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:

0.33 lb/hr of particulates

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly charge rate of 3300 lbs (1.65 tons) by an emission factor of 0.2 lb/ton as specified in USEPA reference document AP-42, Compilation of Air Pollution Emission Factors, Section 12.10, Table 12.10-3. If required, compliance shall be determined in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).
Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emissions evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using methods and procedures specified in USEPA Reference Method 9.

F. **Miscellaneous Requirements**

1. This facility is hereby notified that this permit, and all agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.