

Facility ID: 1431260066 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: 1431260066 Emissions Unit ID: F007 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>
Blast room with fabric filter	OAC 3745-31-05 See F.	1.07 LBS PM/HR, 2.6 TPY PM
	OAC 3745-17-07(B) See F.	See A.2. below. Visible particulate emissions from any fugitive source shall not exceed 20% opacity as a 3-minute average, except as specified by rule.
	OAC 3745-17-08(B)(5) See F.	See A.2. below.
	OAC 3745-17-11(B) See F.	Particulate emission limit is less stringent than the BAT limit above.

**2. Additional Terms and Conditions**

- (a) The permittee shall use adequate containment methods during sand blasting or other similar operations.

**B. Operational Restrictions**

1. This emissions unit shall not exceed 4800 hours of operation per year, based on a rolling, 12-month summation.
2. The pressure drop across the fabric filter shall be maintained within the range of 1-7 inches of water while the emissions unit is in operation.

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

1. The permittee shall maintain monthly records of the updated, rolling, 12-month total hours of operation for this emissions unit.
2. The permittee shall properly install, operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manual(s).

The permittee shall record the pressure drop across the baghouse on a daily basis.

**D. Reporting Requirements**

1. The permittee shall notify the Director in writing of any daily or monthly record which shows an exceedance of the rolling, 12-month total hours of operation limitation and/or the fabric filter pressure drop range. These reports shall be submitted within 30 days of the exceedance.

**E. Testing Requirements**

1. Compliance with OAC 3745-17-07(B) shall be demonstrated by the methods outlined in OAC 3745-17-03(B)(3).
2. Compliance with OAC 3745-17-08(B) shall be demonstrated by the methods outlined in OAC 3745-17-03(B)(7).
3. Compliance with the emission limitation(s) in section A.1. of these terms and conditions shall be determined by the following calculations:
  - a. Multiply the facility provided emission factor\* of 15.5 lbs PM/Ton melt by the production rate (Ton/hr) and by 0.01 (control efficiency for the fabric filter\*\*) = lbs PM/hr.

b. Multiply the PM emission rate (lbs/hr) by the total operating hours (hrs/yr) and by ton/2000 lbs = TPY PM.

\* The emission factor taken from an inventory of iron foundry emissions which was submitted by the facility.

\*\*The control efficiency of the fabric filter is 99%.

F. **Miscellaneous Requirements**

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install number 14-4185 as issued on 1-23-97:

Part II, Special Terms and Conditions: A-E.