

Facility ID: 0278080692 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: 0278080692 Emissions Unit ID: P002 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Natural gas fired slag dryer with fabric filter baghouse	PTI No. 02-10988	Emissions of particulate matter shall not exceed 0.94 lb/hr, 0.022 gr/dscf and 4.1 tons/yr Visible particulate matter emissions shall not exceed 5% opacity as a six-minute average Emissions of oxides of nitrogen shall not exceed 0.14 lb/MMBTU heat input and 4.9 tons per year Emissions of sulfur dioxide shall not exceed 0.2 lb/MMBTU heat input and 7.0 tons/yr
	OAC rule 3745-17-11	Less stringent than limit in PTI No. 02-10988
	OAC rule 3745-17-07	Less stringent than limit in PTI No. 02-10988

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

B. Operational Restrictions

1. Slag processed in the dryer shall be from electric furnaces. Prior to processing other types of material (including blast furnace slag), the permittee shall notify the Ohio EPA, Northeast District Office, Division of Air Pollution Control in writing. Processing of other materials may require the application of an Ohio EPA permit to install in accordance with the definition of "modification" in OAC Rule 3745-31-01.
2. The pressure drop across the baghouse shall be maintained within the range of 4 to 0.5 inches of water while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fabric filter baghouse while emissions units P002 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.
2. The permittee shall maintain annual records on the quantity (tons) and the source of the slag dried.

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.

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:
PM: 0.94 lb/hr and 0.022 gr/dscf

Compliance shall be determined in accordance with OAC rule 3745-17-03(B)(10) by a stack test if required by the Ohio EPA.
PM: 4.1 tons per year

Compliance shall be determined by multiplying the particulate matter emissions factor of 0.0187 lb/ton of slag

dried (from the stack test performed on January 16, 1998) by the amount of slag dried each year (tons) and then dividing by 2000.

Visible emissions shall not exceed 5% opacity as a six-minute average

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 U.S. EPA Reference Method 9.

NOx: 0.14 lb/MMBTU heat input and 4.9 tons/year

Compliance shall be determined by using emission factors from AP-42, Section 1.4 (1995 update) for natural gas combustion.

SO₂: 0.2 lb/MMBTU heat input and 7.0 tons/year

Compliance shall be determined by using emission factors from AP-42, Section 1.4 (1995 update) for natural gas combustion.

F. Miscellaneous Requirements

1. This emissions unit shall not cause a violation of OAC Rule 3745-15-07, "Air Pollution Nuisances Prohibited". If the Ohio EPA determines that the emissions unit is contributing to or causing a nuisance, the permittee shall immediately adopt additional control measures.
2. The permittee shall calculate annual actual PM and PM₁₀ emissions from this emissions unit and from the other emissions units at the facility. This estimate shall be done using engineering calculations, emission factors, material balance calculations or performance testing results. The data shall be submitted to the Ohio EPA, NEDO-DAPC, no later than February 1 of each year.