

Facility ID: 0829750024 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: 0829750024 Emissions Unit ID: P016 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>
casting shake-out area	OAC rule 3745-31-05(A)(3)	0.21 lb/hr and 0.21 ton/yr particulate matter; 5% opacity visible emissions
	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).
	OAC rule 3745-17-07	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**
 - (b) The 0.21lb/hr limit 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/or reporting requirements to ensure compliance with this limit.

B. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 2000 hours.
2. The pressure drop across the Torit Filter Cartridge System shall be maintained within the range of 0.5 - 4 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 operating hours for this emissions unit.
2. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the Torit Filter Cartridge System while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations. The permittee shall record the pressure drop across the Torit Filter Cartridge System on a weekly basis. The monitoring and recording devices shall be capable of accurately measuring the desired parameter.

D. Reporting Requirements

1. The permittee shall submit an annual report by January 31 of each year which identifies the total number of operating hours the emissions unit operated during the previous year.
2. The permittee shall submit pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the Torit Filter Cartridge System did not comply with the allowable range specified above. A copy of such records shall be sent to the Director (appropriate district office or local air agency) within 30 days after the exceedance occurs.

E. Testing Requirements

1. Compliance Methods

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-
0.21 lb/hr of particulate matter

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum capacity of the equipment (0.75 tons/hr) times 25.6 lbs particulates/ton (emission factor for aluminium casting shake out) and times the control efficiency of the fabric filter (1 - .989). (This is how the 0.21 lb/hr limitation was developed for the PTI.) If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(8).

Emission limitation-

0.21 ton/yr of particulate matter

Applicable Compliance Method-

This limit shall be determined by multiplying the 0.21 lb/hr emissions limitation times the annual operating hours, and dividing by 2000 lbs/ton.

Emission limitation-

5% opacity visible emission.

Applicable Compliance Method-

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

Compliance shall be determined by visible emissions evaluations using the methods and procedures specified in USEPA Reference Method 9.

F. Miscellaneous Requirements

1. None