

Facility ID: 0210000107 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.

[Go to Part II for Emissions Unit F001](#)
[Go to Part II for Emissions Unit F002](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0210000107 Emissions Unit ID: F001 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>
Crucible Furnace (charging, melting, tapping, pouring, and handling of 235 lbs of aluminum /hr.)	PTI # 17-1367	0.23 lb PM/hr; 1.01 TPY PM 0.426 lb SO2/hr; 1.87 TPY SO2 0.03 lb CO/hr; 0.13 TPY CO 0.003 lb VOC/hr; 0.013 TPY VOC 0.12 lb NOx/hr; 0.53 TPY NOx

(These emission limits are based on the maximum usage rate of No. 2 fuel oil.)

There shall be no visible emissions from this emissions unit.

3745-17-08(B)

See T&C B.1. and 2.

3745-17-07(A)

Less stringent than PTI.

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

1. The permittee shall only employ clean aluminum not contaminated with oil, grease, paint, paper, or any other material which may produce emissions in this emissions unit.
2. The permittee shall not allow any fluxing or alloying operations to take place in this emissions unit.
3. The permittee shall only use No. 2 fuel oil in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. None

D. Reporting Requirements

1. The permittee shall report any observation of visible emissions from this emissions unit to the appropriate Ohio EPA field office within 30 days of the occurrence.

E. Testing Requirements

1. Compliance with the emission limitations in section A.1. of these terms and conditions shall be determined by:
 - a. Multiply the pollutant (PM, SO2, CO, VOC, NOX) emission factor from AP-42 Table 1.3-2,3 for No. 2 fuel oil by the quantity of fuel used on an hourly basis to obtain lb/hr.
 - b. For TPY, multiply the pollutant (PM, SO2, CO, VOC, NOX) emission factor from AP-42 Table 1.3-2,3 for No. 2 fuel oil by the quantity of fuel used on an annual basis and divide by 2000 lbs/ton.
2. Compliance with the visible particulate emission limitation shall be determined in accordance with the test method and procedures in OAC 3745-17-03(B)(1).

F. Miscellaneous Requirements

- 1. None

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Facility ID: 0210000107 Emissions Unit ID: F002 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>
Reverberatory Furnace (charging, melting, tapping, pouring, and handling of 1500 lbs of aluminum/hr.)	PTI # 17-1367	0.23 lb PM/hr; 1.01 TPY PM 0.426 lb SO2/hr; 1.87 TPY SO2 0.03 lb CO/hr; 0.13 TPY CO 0.003 lb VOC/hr; 0.013 TPY VOC 0.12 lb NOx/hr; 0.53 TPY NOx
	3745-17-08(B)	(These emission limits are based on the maximum usage rate of No. 2 fuel oil.)
	3745-17-07(A)	There shall be no visible emissions from this emissions unit. See T&C B.1. and 2. Less stringent than PTI.

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

B. Operational Restrictions

- 1. The permittee shall only employ clean aluminum not contaminated with oil, grease, paint, paper, or any other material which may produce emissions in this emissions unit.
- 2. The permittee shall not allow any fluxing or alloying operations to take place in this emissions unit.
- 3. The permittee shall only use No. 2 fuel oil in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

- 1. None

D. Reporting Requirements

- 1. The permittee shall report any observation of visible emissions from this emissions unit to the appropriate Ohio EPA field office within 30 days of the occurrence.

E. Testing Requirements

- 1. Compliance with the emission limitation in section A.1. of these terms and conditions shall be determined by:
 - a. Multiply the pollutant (PM, SO2, CO, VOC, NOX) emission factor from AP-42 Table 1.3-2,3 for No. 2 fuel oil by the quantity of fuel used on an hourly basis to obtain lb/hr.
 - b. For TPY, multiply the pollutant (PM, SO2, CO, VOC, NOX) emission factor from AP-42 Table 1.3-2,3 for No. 2 fuel oil by the quantity of fuel used on an annual basis and divide by 2000 lbs/ton.
- 2. Compliance with the visible particulate emission limitation shall be determined in accordance with the test method and procedures in OAC 3745-17-03(B)(1).

F. Miscellaneous Requirements

- 1. None