Facility ID: 1677130061 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 P001
Go to Part II for Emissions Unit P002

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

Facility ID: 1677130061 Emissions Unit ID: P001 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Electric induction furnace.	PTI 16-1128 OAC 3745-17-07 OAC 3745-17-08 OAC 3745-17-11	See A.2 below.

2. **Additional Terms and Conditions**

   (a) The combined emissions from P001 and P002 shall not exceed 2.0 pounds per hour total particulate matter and 0.05 pound per hour of lead.
   The permittee shall employ hoods, fans and other equipment to adequately capture, contain and vent furnace emissions to a baghouse. Such equipment shall be capable of eliminating or minimizing visible emissions at the point(s) of capture.

B. **Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 1.5 and 6.0 inches of water while the emissions unit is in operation.

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

1. 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 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.2 of these terms and conditions shall be determined in accordance with the following methods:
   Emission Limitation:

   combined emissions for P001 and P002 shall not exceed 2.0 pounds per hour particulate matter

   Applicable Compliance Method:

   multiply the particulate emission factor of 0.8 pound of particulate emissions per ton of metal charged for emissions unit P001 and 0.8 pound of particulate emissions per ton of metal charged for emissions unit P002 by the maximum hourly rate of 0.175 ton per hour and 0.282 ton per hour, respectively, for emissions units P001 and P002 (sum is equal to combined particulate emissions for both emissions units)
   Emission Limitation:

   combined emissions for emissions units P001 and P002 shall not exceed 0.05 pound per hour of lead

   Applicable Compliance Method:

multiply the lead emission factors of 0.01 pound of lead emissions per ton of metal charged for emissions unit P001 and 0.01 pound of lead emissions per ton of metal charged for emissions unit P002 by the maximum hourly rate of 0.175 ton per hour and 0.282 ton per hour, respectively, for emissions units P001 and P002 (sum is equal to combined lead emissions for both emissions units)

F. **Miscellaneous Requirements**

1. None

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Facility ID: 1677130061 Emissions Unit ID: P002 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Gas fired crucible furnaces.	PTI 16-1128 OAC 3745-17-07 OAC 3745-17-08 OAC 3745-17-11	See A.2 below.

2. **Additional Terms and Conditions**

   (a) The combined emissions from P001 and P002 shall not exceed 2.0 pounds per hour total particulate matter and 0.05 pound per hour of lead.
   The permittee shall employ hoods, fans and other equipment to adequately capture, contain and vent furnace emissions to a baghouse. Such equipment shall be capable of eliminating or minimizing visible emissions at the point(s) of capture.

B. **Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 1.5 and 6.0 inches of water while the emissions unit is in operation.

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

1. 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 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.2 of these terms and conditions shall be determined in accordance with the following methods:
   Emission Limitation:

   combined emissions for P001 and P002 shall not exceed 2.0 pounds per hour particulate matter

   Applicable Compliance Method:

   multiply the particulate emission factor of 0.8 pound of particulate emissions per ton of metal charged for emissions unit P001 and 0.8 pound of particulate emissions per ton of metal charged for emissions unit P002 by the maximum hourly 0.175 ton per hour and 0.282 ton per hour, respectively, for emissions units P001 and P002 (sum is equal to combined particulate emissions for both emissions units)
   Emission Limitation:

combined emissions for emissions units P001 and P002 shall not exceed 0.05 pound per hour of lead

Applicable Compliance Method:

multiply the lead emission factor of 0.01 pound of lead emissions per ton of metal charged for emissions unit P001 and 0.01 pound of lead emissions per ton of metal charged for emissions unit P002 by the maximum hourly rates of 0.175 ton per hour and 0.282 ton per hour, respectively, for emissions units P001 and P002 (sum is equal to combined lead emissions for both emissions units)

F. **Miscellaneous Requirements**

1. None