

Facility ID: 1318201688 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 P021](#)  
[Go to Part II for Emissions Unit P022](#)  
[Go to Part II for Emissions Unit P024](#)

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Facility ID: 1318201688 Emissions Unit ID: P021 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>
Copper/Brass Electric Induction Furnace and Associated Continuous Strip Casting Operation with a Baghouse Control System (K9810)	OAC 3745-31-05, see F.	0.022 grains particulate matter per dry standard cubic foot of exhaust gases from the baghouse exhaust stack.  5% opacity, as a 6-minute average, from the baghouse exhaust stack.
		Equivalent to or less stringent than BAT.
	OAC 3745-17-11	Equivalent to or less stringent than BAT.
	OAC 3745-17-07	

**2. Additional Terms and Conditions**

- (a) Slag skimmings shall be air cooled indoors adequately before being placed outdoors.

**B. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 4 to 8 inches of water while the emission 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 that 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. Emission testing to demonstrate compliance with the mass emission limit in A.1 shall be performed in accordance with USEPA Methods 1 through 5 at the request of Ohio EPA.
2. Compliance with the opacity limitation in A.1 shall be determined using Method 9 pursuant to OAC 3745-17-03(B)(1).

**F. Miscellaneous Requirements**

1. The following terms and conditions shall supersede all of the air pollution control requirements for this emissions unit contained in permit to install number 13-2374, as issued on January 2, 1992: A, B, C.

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Facility ID: 1318201688 Emissions Unit ID: P022 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>
Copper/Brass Electric Induction Furnace and Associated Continuous Strip Casting Operation with a Baghouse Control System (K9810)	OAC 3745-31-05, see F.	0.022 grains particulate matter per dry standard cubic foot of exhaust gases from the baghouse exhaust stack.
		5% opacity, as a 6-minute average, from the baghouse exhaust stack.
		Equivalent to or less stringent than BAT.
	OAC 3745-17-11	Equivalent to or less stringent than BAT.
	OAC 3745-17-07	

2. **Additional Terms and Conditions**
  - (a) Slag skimmings shall be air cooled indoors adequately before being placed outdoors.

**B. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 4 to 8 inches of water while the emission 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 that 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. Emission testing to demonstrate compliance with the mass emission limit in A.1 shall be performed in accordance with USEPA Methods 1 through 5 at the request of Ohio EPA.
2. Compliance with the opacity limitation in A.1 shall be determined using Method 9 pursuant to OAC 3745-17-03(B)(1).

**F. Miscellaneous Requirements**

1. The following terms and conditions shall supersede all of the air pollution control requirements for this emissions unit contained in permit to install number 13-2374, as issued on January 2, 1992: A, B, C.

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Facility ID: 1318201688 Emissions Unit ID: P024 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>
Acid Pickling Tanks and a Strip Conveyor System with a 13500 ACFM Packed Tower Scrubber System to Control Emissions.	OAC Rule 3745-31-05, see F.	0.010 grain particulate matter per dry standard cubic foot of exhaust gases from the packed tower scrubber system.  5% opacity, as a 6-minute average from the scrubber stack.
	OAC 3745-17-11	Equivalent to or less stringent than BAT.
	OAC 3745-17-07	Equivalent to or less stringent than BAT.

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

**B. Operational Restrictions**

1. The pH of the scrubber liquor at the outlet of the scrubber shall be maintained at a minimum of 7.
2. The pressure drop across the scrubber shall be maintained at a minimum of 1.6 inches water while the emission unit is in operation.
3. The minimum liquid flow rate of scrubber liquor shall be 6.0 gpm.

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

1. The permittee shall properly install, operate, and maintain equipment to continuously monitor and record the pH of the scrubber liquor, the pressure drop across the scrubber, and the liquid flow rate through the scrubber while the emissions unit is in operation. The monitors and recorders shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s).
2. The permittee shall collect and record the following information each day:
  - a. The pH of the scrubber liquor, scrubber pressure drop and liquid flow rate;
  - b. The operating time for the capture system, control device, pH, pressure drop and flow rate monitoring equipment, and the associated emission unit.
3. Records concerning this permit shall be available during normal business hours upon request from personnel of OEPA field office or any other agent of the OEPA.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the scrubber liquor pH, pressure drop, or liquor flow rate did not comply with the requirements specified above.

**E. Testing Requirements**

1. A performance test shall be conducted in accordance with USEPA Methods 1 through 5 at the request of Ohio EPA to determine compliance with the mass emission limitation in A.1.
2. Compliance with the opacity limitation in A.1 shall be determined using Method 9 pursuant to OAC 3745-17-03(B)(1).

**F. Miscellaneous Requirements**

1. The following terms and conditions shall supersede all of the air pollution control requirements for this emissions unit contained in permit to install number 13-2505, as issued on June 30, 1992: A, B, C, D.