

Facility ID: 1318312170 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.

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[Go to Part II for Emissions Unit P902](#)

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

Facility ID: 1318312170 Emissions Unit ID: P901 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>
Rotary Furnace used for Secondary Smelting of Nonferrous Metals (Zinc and Aluminum) with permanent canopy hoods for capture and a 33,000 ACFM baghouse to control the emissions.	OAC rule 3745-17-11 OAC rule 3745-17-07(A) OAC rule 3745-17-07(B)	5.38 pounds per hour of particulate matter Emissions from the stack may exceed twenty per cent opacity, as a six-minute average, for not more than six consecutive minutes in any sixty minutes, but shall not exceed sixty percent opacity, as a six-minute average, at any time. Visible particulate emissions of fugitive dust from this emissions unit shall not exceed twenty per cent opacity as a three-minute average.
		See Section A.2.

OAC rule 3745-17-08 (B)

2. Additional Terms and Conditions

- (a) The permittee shall employ the following reasonably available control measures to minimize or eliminate visible fugitive dust emissions:
 - i. The hot dross removal shall be conducted under the back canopy hood at all times. The captured emissions are controlled by the 33,000 ACFM baghouse. Sufficient volume flow rate must be maintained during dross removal in order to achieve enough face velocity across the back hood to capture and control the fugitive emissions.
 - ii. The hot dross shall be allowed to cool to ambient temperature in its container inside the plant in a designated area before further handling.
 - iii. The material feed rate and drum rotation speed must be properly maintained in order to ensure that fugitive emissions are sufficiently minimized or eliminated at the charging and product receiving ends.

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of four to nine inches (4" - 9") 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 pressure drop across the baghouse shall be recorded daily.

D. Reporting Requirements

- 1. Any baghouse pressure drop readings less than four inches or greater than nine inches shall be reported to the Cleveland Bureau of Air Pollution Control within 48 hours of the reading.
- E. **Testing Requirements**
 - 1. Compliance with the emissions limitations in Section A.1 of this permit shall be determined as follows:
 Compliance with the mass emissions rate of particulate matter shall be determined by a stack test at the request of Ohio EPA.
 Compliance with the visible emissions limitation from the stack shall be determined using Method 9 pursuant to OAC rule 3745-17-03(B)(1).
 Compliance with the visible emissions limitation of fugitive dust shall be determined using Method 22 pursuant to OAC rule 3745-17-03(B)(4).
- F. **Miscellaneous Requirements**
 - 1. None

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Facility ID: 1318312170 Emissions Unit ID: P902 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>
Rotary Furnace used for Secondary Smelting of Nonferrous Metals (Zinc and Aluminum) with permanent canopy hoods for capture and a 33,000 ACFM baghouse to control the emissions.	OAC rule 3745-17-11 OAC rule 3745-17-07(A) OAC rule 3745-17-07(B)	5.96 pounds per hour of particulate matter Emissions from the stack may exceed twenty per cent opacity, as a six-minute average, for not more than six consecutive minutes in any sixty minutes, but shall not exceed sixty percent opacity, as a six-minute average, at any time. Visible particulate emissions of fugitive dust from this emissions unit shall not exceed twenty per cent opacity as a three-minute average.
		See Section A.2.

OAC rule 3745-17-08 (B)

2. Additional Terms and Conditions

- (a) The permittee shall employ the following reasonably available control measures to minimize or eliminate visible fugitive dust emissions:
 - i. The hot dross removal shall be conducted under the back canopy hood at all times. The captured emissions are controlled by the 33,000 ACFM baghouse. Sufficient volume flow rate must be maintained during dross removal in order to achieve enough face velocity across the back hood to capture and control the fugitive emissions.
 - ii. The hot dross shall be allowed to cool to ambient temperature in its container inside the plant in a designated area before further handling.
 - iii. The material feed rate and drum rotation speed must be properly maintained in order to ensure that fugitive emissions are sufficiently minimized or eliminated at the charging and product receiving ends.

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of four to nine inches (4" - 9") 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 pressure drop across the baghouse shall be recorded daily.

D. Reporting Requirements

1. Any baghouse pressure drop readings less than four inches or greater than nine inches shall be reported to the Cleveland Bureau of Air Pollution Control within 48 hours of the reading.

E. Testing Requirements

1. Compliance with the emissions limitations in Section A.1 of this permit shall be determined as follows:
 - Compliance with the mass emissions rate of particulate matter shall be determined by a stack test at the request of Ohio EPA.
 - Compliance with the visible emissions limitation from the stack shall be determined using Method 9 pursuant to OAC rule 3745-17-03(B)(1).
 - Compliance with the visible emissions limitation of fugitive dust shall be determined using Method 22 pursuant to OAC rule 3745-17-03(B)(4).

F. Miscellaneous Requirements

1. None