

Facility ID: 0448010160 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: 0448010160 Emissions Unit ID: P004 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>
a. melting pot fumes from three MPH immersion heated crucible furnaces	i. OAC rule 3745-17-07(B)(1) ii. OAC rule 3745-17-08(B)(3)	i. 20% opacity as a 3-minute average ii. 0.30 grain of particulate emissions per dry standard cubic foot of exhaust gases or no visible emissions
b. three 2.666 mmBtu natural gas fired burner exhausts	i. OAC rule 3745-17-07(A)(1) ii. OAC rule 3745-17-10(B)(1) iii. OAC rule 3745-18-06(B)	i. 20% opacity as a 6-minute average, except as provided by rule ii. 0.020 pound of particulate matter per mmBtu of actual heat input iii. exemption from sulfur dioxide emissions limitation

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

B. Operational Restrictions

1. The maximum combined production rate for emissions units P003 and P004 shall not exceed 4,500 tons of zinc per month.
2. The permittee shall burn only natural gas in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the zinc production for emissions units P003 and P004.
2. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the monthly production rate limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted prior to the fifteenth day of the month following the month in which the exceedance occurred.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. These reports shall be submitted prior to the fifteenth day of the month following the month in which the exceedance occurred.
3. The permittee shall submit annual reports that summarize the results of the monthly production rate and fuel usage monitoring requirements in Sections C.1 and C.2. These reports shall be submitted to the Toledo Division of Environmental Services by April 15 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:
20% opacity as a 3-minute average
Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with OAC rule 3745-17-03(B)(3).

Emission Limitation:

0.30 grain of particulate emissions per dry standard cubic foot of exhaust gases or no visible emissions

Compliance Method:

If required, compliance shall be determined through emissions testing performed in accordance with OAC rule 3745-17-03(B)(7).

Emission Limitation:

20% opacity as a 6-minute average, except as provided by rule

Compliance Method:

Compliance with the operational restriction in Section B.2 will be considered adequate demonstration of compliance with this emissions limitation. If required, compliance shall also be determined through visible emissions observations performed in accordance with OAC rule 3745-17-03(B)(1).

Emission Limitation:

0.020 pound of particulate matter per mmBtu of actual heat input

Compliance Method:

Compliance with the operational restriction in Section B.2 will be considered adequate demonstration of compliance with this emissions limitation. If required, compliance shall also be determined through emissions testing performed in accordance with OAC rule 3745-17-03(B)(9).

Emission Limitation:

exemption from sulfur dioxide emissions limitation

Compliance Method:

Compliance with the operational restriction in Section B.2 will be considered adequate demonstration of compliance with this emissions limitation. If required, compliance shall also be demonstrated through fuel sampling and calculation performed in accordance with OAC rule 3745-18-04(F)(3).

F. Miscellaneous Requirements

1. None