

Facility ID: 0819070215 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: 0819070215 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P001 - Bell Furnace #1 for Ion Exchange Process	OAC rule 3745-31-05(A)(3) PTI 08-04375	Sulfur dioxide (SO2) emissions shall not exceed 6.0 lbs/batch cycle and 8.4 TPY. Particulate emissions (PE) shall not exceed 5.0 lbs/batch cycle and 7.0 TPY.
	OAC rule 3745-18-06	Visible emissions shall not exceed 5% opacity, as a six-minute average.
	OAC rule 3745-17-11	The sulfur dioxide limit specified by this rule is less stringent than that specified by OAC rule 3745-31-05.
	OAC rule 3745-17-07	The particulate limit specified by this rule is less stringent than that specified by OAC rule 3745-31-05. The visible emission limitation specified by this rule is less stringent than that specified by OAC rule 3745-31-05.

2. Additional Terms and Conditions

- (a) The 5.0 lbs PE per batch cycle and 6.0 lbs SO2 per batch cycle emissions limits were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

B. Operational Restrictions

1. The annual sulfur dioxide usage for this emissions unit shall not exceed 8.4 tons.
2. The annual cuprous chloride usage for this emissions unit shall not exceed 7.0 tons.
3. The annual number of batches for this emissions unit shall not exceed 2,800.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the combined sulfur dioxide usage for emissions units P001, P002, P003 and P005, in tons.
2. The permittee shall maintain annual records of the combined cuprous chloride usage for emissions units P001, P002, P003 and P005, in tons.
3. The permittee shall maintain annual records of the number of batches processed in this emissions unit.
4. The permittee shall maintain annual records of the combined number of batches processed for emissions units P001, P002, P003 and P005.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Director (the appropriate Ohio EPA District Office or local air agency) that specify:
 - a. The total, combined annual sulfur dioxide usage for emissions units P001, P002, P003 and P005, in tons.

- b. The total, combined annual cuprous chloride usage for emissions units P001, P002, P003 and P005, in tons.
 - c. The total annual number of batches processed for this emissions unit.
 - d. The total, combined annual number of batches processed for emissions units P001, P002, P003 and P005.
 - e. The total annual PE for this emissions unit, in tons.
 - f. The total annual SO₂ emissions for this emissions unit, in tons.

These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

- 1. Compliance with the emission limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
6.0 lbs SO₂/batch cycle

Applicable Compliance Method-
This emission limitation is based upon the maximum sulfur dioxide usage rate and the conservative assumption that all of the sulfur dioxide is lost to the atmosphere.
 - b. Emission Limitation-
5.0 lbs PE/batch cycle

Applicable Compliance Method-
This emission limitation is based upon the maximum cuprous chloride usage rate and the conservative assumption that all of the cuprous chloride is lost to the atmosphere as PE.
 - c. Emission Limitation-
8.4 TPY SO₂

Applicable Compliance Method-
Compliance shall be determined by multiplying the annual combined sulfur dioxide usage, as specified in Section C.1, by the annual number of batches for this emissions unit, as specified in Section C.3, and dividing by the combined annual number of batches for emissions units P001, P002, P003 and P005, as specified in Section C.4.
 - d. Emission Limitation-
7.0 TPY Particulate

Applicable Compliance Method-
Compliance shall be determined by multiplying the annual combined cuprous chloride usage, as specified in Section C.2, by the annual number of batches for this emissions unit, as specified in Section C.3, and dividing by the combined annual number of batches for emissions units P001, P002, P003 and P005, as specified in Section C.4.
 - e. Emission Limitation-
5% opacity as a 6-minute average

Applicable Compliance Method -
If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

- 1. None