

Facility ID: 1677010306 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: 1677010306 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>
pneumatic conveying bulk ceramic materials to bin bunkers, 10.5 tons/hr maximum (truck unloading) process weight rate, air emissions of particulate matter controlled by fabric filter system	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-07(B)	Visible particulate emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.
	OAC rule 3745-17-08	All material transfer points within this emissions unit shall be hooded and vented to a fabric filter; the process equipment shall be adequately enclosed and vented to a fabric filter; and all enclosures within the emissions unit shall be sufficient to minimize or eliminate visible particulate emissions of fugitive dust at the points of capture to the extent possible with good engineering design.
	OAC rule 3745-17-11	3.0 lbs/hr of particulate emissions (based on Figure II of OAC rule 3745-17-11, which is more stringent than Table I of OAC rule 3745-17-11)

2. **Additional Terms and Conditions**
 - (a) The above hourly mass particulate emission limitation, covered under OAC rule 3745-17-11, is greater than the potential to emit, as demonstrated below in section E.1. Therefore, no record keeping, reporting, or emissions calculations are required to demonstrate compliance with this emission limitation.

B. Operational Restrictions

1. The permittee shall employ the fabric filter control system at all times this emissions unit is in operation.
2. Except for an initial operating period after filter media replacement to attain design filtering efficiency, the pressure drop across each fabric filter serving this emissions unit shall be maintained within the range of 1 - 6 inches of water, while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall document whether or not the fabric filters were in service when the emissions unit was in operation.
2. The permittee shall properly operate, and maintain equipment to monitor the pressure drops across the fabric filters serving this emissions unit, while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drops across the fabric filters on a daily basis.
3. The permittee shall perform daily checks for any visible fugitive particulate emissions and visible particulate emissions from the fabric filter system serving this emissions unit, while the emissions unit is in operation. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any abnormal visible emission incident; and
- e. any corrective actions taken to eliminate the abnormal visible emissions.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing that the fabric filter was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.
2. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across each fabric filter serving this emissions unit did not comply with the allowable range specified above.
3. The permittee shall submit semiannual written reports which (a) identify all days during which any abnormal visible particulate emissions were observed and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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 6-minute average

Applicable Compliance Method:

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

Emission Limitation:

20% opacity as a 3-minute average

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed in accordance with the requirements in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures specified in OAC rule 3745-17-03(B)(3).

Emission Limitation:

3.0 lbs/hr of particulate emissions

Applicable Compliance Method: The above emission limitation is greater than the potential to emit, as shown in the following equation:

$$E = (PWR_{max}) \times (EF);$$

Where,

$$E = 2.8 \text{ lbs/hr of particulate emissions [hourly potential to emit];}$$

$$PWR_{max} = 10.5 \text{ tons/hr [maximum process weight rate of P901]; and}$$

$$EF = 0.27 \text{ lb of particulate emissions/ton of process weight [particulate emission factor].}$$

If required, testing may also be required in accordance with the requirements of 40 CFR Part 60, Appendix A, Method 5.

The particulate emission factor was obtained from STAPPA-ALAPCO, 5/30/91 edition, table 7-1.

F. Miscellaneous Requirements

1. None