

Facility ID: 0640010102 Issuance type: Final State Permit To Operate

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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: 0640010102 Emissions Unit ID: F001 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
F001 - Silos and Bagging controlled with a baghouse	OAC rule 3745-31-05(A)(3) OAC rule 3745-17-08(B)(3) PTI # 06-05352 issued 3/18/98	The fabric filter shall achieve an outlet emission rate of not greater than 0.030 grain of particulate emissions (PE) per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the exhaust stack. Total PE shall not exceed 0.162 TPY. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1). See A.2.a, b, and c 20 % opacity as a three minute average for fugitive emissions.
	OAC rule 3745-17-07(B)(1)	

2. Additional Terms and Conditions

- (a) The permittee shall employ best available control measures on the silos and bagging operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee shall maintain enclosures and vent emissions to a fabric filter baghouse and/or filter sock to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing additional measures to ensure compliance. Material shall be pneumatically transferred to silos. The pneumatic system shall be adequately enclosed so as to eliminate at all times visible emissions of fugitive dust. Any visible emissions from the delivery vehicle shall be cause for the halt of the unloading process until the situation is corrected. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the stack serving this emissions unit. 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. the total duration of any visible emission incident; and
 - c. any corrective actions taken to eliminate the visible emissions.
2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive PE from the egress points (i.e., building windows, doors, roof monitors, transfer system, etc.) serving this emissions unit. The presence or absence of any visible fugitive 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 location and 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 visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

3. The permittee shall maintain records which list the following information:
 - a. The daily tons of material unloaded.
 - b. The daily tons of material processed.
 - c. The total tons of material unloaded and processed for the calendar year.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports that:
 - a. identify all days during which any visible PE were observed from the stack serving this emissions unit and,
 - b. describe any corrective actions taken to eliminate the visible PE.

These reports shall be submitted to the Ohio EPA, Southeast District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall submit semiannual written reports that:
 - a. identify all days during which any visible fugitive PE were observed from the egress points (i.e., building windows, doors, roof monitors, transfer system, etc.) serving this emissions unit and,
 - b. describe any corrective actions taken to minimize or eliminate the visible fugitive PE.

These reports shall be submitted to the Ohio EPA, Southeast District Office 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 identified in A.1. above shall be determined in accordance with the following methods:
 Emission Limitation:
 The fabric filter shall achieve an outlet emission rate of not greater than 0.030 grain of PE per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the exhaust stack.

 Applicable Compliance Method:
 If required, compliance with this mass emission limitation shall be determined by stack testing per OAC rule 3745-17-03(B)(7).

 Compliance with the no visible emission limit from the exhaust of the fabric filter shall be based upon the monitoring / recordkeeping requirements outlined in Section A.II.C.1 noted above.
 Emission Limitation:
 Total PE shall not exceed 0.162 ton per year

 Compliance Determination:
 Compliance with the tons per year emission limitation shall be demonstrated by the following calculations using emission factors from RACM Table 2.13-2. Cement unloading / packaging $ef = 0.246$ lb/ton.

 $15 \text{ tons/hr} \times 0.246 \text{ lb/ton} \times 8760 \text{ hrs/yr} / 2000 \text{ lbs/ton} = 16.16 \text{ TPY (uncontrolled)}$. Actual emissions (with 99% control): $16.16 (0.01) = 0.162 \text{ TPY}$

 Total allowable PE : 0.162 TPY
 Emission Limitation:
 Visible emissions of fugitive dust shall not exceed 20 % opacity as a three minute average.

 Compliance Method:
 If required, compliance with the above visible fugitive emission limit shall be determined using Test Method 9.
 Compliance with the visible fugitive emission limit from the emission unit shall be based upon the monitoring / recordkeeping requirements outlined in Section A.II.C.2 noted above.

F. Miscellaneous Requirements

1. None