

Facility ID: 0773000144 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: 0773000144 Emissions Unit ID: F002 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>
Cement and ash unloading to storage silos and aggregate transfer and conveying	OAC rule 3745-31-05 See F.1 below.	0.08 lb/hr and 0.35 TPY of particulate matter for each silo
		3.48 lbs/hr and 15.24 TPY of particulate matter for aggregate transfer and conveying
		See A.2.d below.
	OAC rule 3745-17-07	See A.2.e below.
	OAC rule 3745-17-08	The fabric filter shall achieve an outlet emission rate of not greater than 0.030 grains of particulate emissions per dry standard cubic foot of exhaust gases and there shall be no visible emissions from the outlet.

2. Additional Terms and Conditions

- (a) Cement and ash shall be transferred pneumatically to storage. The pneumatic system shall be adequately enclosed so as to eliminate at all times visible emissions of fugitive dust. Any visible emissions of cement from the unloading of the delivery vehicle shall be cause for the immediate halt of the unloading process and the refusal of the cement load until the situation is corrected. The cement and ash silo vent shall be adequately enclosed and vented to a fabric filter. The enclosure shall be sufficient so as to eliminate at all times visible emissions of fugitive dust at the points of capture. The aggregate and sand to be loaded onto the conveyor(s) shall have a moisture content sufficient to eliminate at all times visible emissions of fugitive dust. There shall be no visible particulate emissions from this emissions unit. The particulate emissions limit based on OAC rule 3745-17-07 is less stringent than the particulate emissions limit established pursuant to OAC rule 3745-31-05.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks for any visible particulate emissions from the fabric filter control systems for the cement silos, while the silos are in operation. The presence or absence of any visible emissions from the fabric filter control system shall be noted in an operations log. If any visible emissions are observed from the system, corrective action shall be taken to eliminate the visible emissions and these actions shall also be noted in the operations log.

D. Reporting Requirements

1. The permittee shall submit on an annual basis a report which (a) identifies all days during which any visible particulate emissions were observed from the fabric filter control system and (b) describes the corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted by January 31 of each year to the Director (District Office or local air agency).

E. Testing Requirements

1. Compliance with the emissions limitations in Sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:

0.08 lb/hr and 0.35 TPY of particulate matter for each silo

Applicable Compliance Method:

The allowable emission rate of 0.030 grains/dscf is multiplied by the exit gas volume of 318 dscf/min, multiplied by 60 minutes hour and then divided by 7000 grains/pound resulting in an allowable emission rate of 0.08 lb/hr. The emission rate of 0.08 lb/hr is multiplied by 8760 hours/year and then divided by 2000 lbs/ton, resulting in an allowable emission rate of 0.35 TPY.

Emission Limitation:

3.48 lbs/hr and 15.24 TPY for sand and aggregate conveying

Applicable Compliance Method:

The maximum hourly rate conveyed of 240 tons/hr is multiplied by the AP-42 particulate emission factor of 0.029 lb/ton. The resulting uncontrolled emission rate of 6.96 lbs/hr is then multiplied by the wet suppression control factor of 50% (1-.50), resulting in a controlled emission rate of 3.48 lbs/hour. The controlled emission rate of 3.48 lbs/hour is multiplied by 8760 hours/year and divided by 2000 lbs/ton, resulting in the controlled emission rate of 15.24 TPY.

Emission Limitation:

0.030 gr/dscf of particulate matter

Applicable Compliance Method:

If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(7).

F. **Miscellaneous Requirements**

1. The following terms and conditions shall supersede all the air pollution control requirements for this emission unit contained in permit to install 07-408, as issued on November 15, 1995: A.1, A.2, C, D, and E.