

Facility ID: 1409030062 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: 1409030062 Emissions Unit ID: F001 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>
Concrete Batch Plant w/Fabric Filter	OAC rule 3745-31-05 See F.	5.85 LBS/HR and 3.72 TPY of PM/PM-10
	OAC 3745-17-07(A) See F.	Visible particulate emissions from the fabric filter vent shall not exceed 20% percent opacity, as a six-minute average, except as specified by rule.
	OAC 3745-17-07(B) See F.	Visible particulate emissions from any fugitive dust source shall not exceed 20% percent opacity, as a three-minute average, except as specified by rule.
	OAC 3745-17-11(A) See F.	Less stringent than limitations outlined in OAC 3745-31-05.
Transfer of sand and aggregate to elevated bins	OAC 3745-17-07(A) See F.	Visible particulate emissions from the fabric filter vent shall not exceed 20% percent opacity, as a six-minute average, except as specified by rule.
	OAC 3745-17-07(B) See F.	Visible particulate emissions from any fugitive dust source shall not exceed 20% percent opacity, as a three-minute average, except as specified by rule.
	OAC 3745-17-08 See F.	The sand and aggregate materials shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust at the conveyors and the elevated storage bins.
Cement silo vented to a fabric filter	OAC 3745-17-07(A) See F.	Visible particulate emissions from the fabric filter vent shall not exceed 20% percent opacity, as a six-minute average, except as specified by rule.
	OAC 3745-17-07(B) See F.	Visible particulate emissions from any fugitive dust source shall not exceed 20% percent opacity, as a three-minute average, except as specified by rule.
	OAC 3745-17-08	See A.2.

2. **Additional Terms and Conditions**
  - (a) The pneumatic transfer system for transferring cement to the silo shall be adequately enclosed so as to minimize or eliminate visible particulate emissions.

**B. Operational Restrictions**

1. The annual usage of sand and aggregate materials shall not exceed 484,640 tons per year.
2. The annual usage of cement shall not exceed 156,000 tons per year.
3. Any visible emissions of cement from the delivery vehicle shall be cause for the immediate halt of the unloading process and the refusal of the cement until the situation is corrected.

**C. Monitoring and/or Record Keeping Requirements**

1. The permittee shall maintain monthly records of the tons of sand and aggregate and cement materials used in this emissions unit.

**D. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any exceedance of the annual material usage limitations.

**E. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Compliance with the visible particulate emissions from all vents shall be demonstrated by the methods outlined in OAC 3745-17-03(B)(1);
  - b. Compliance with the fugitive visible particulate emissions associated with the processes outlined in this permit shall be demonstrated by the methods outlined in OAC 3745-17-03(B)(3);
  - c. Compliance with the hourly allowable PM/PM-10 emission rate shall be demonstrated by adding the following equations:
    - i. amount of sand and aggregate transferred to silos (tons/hr) X 0.029 lbs of PM/PM-10 per ton X control efficiency (1 - 0.50); plus
    - ii. amount of cement transferred to silos (tons/hr) X 0.27 lbs of PM/PM-10 per ton X control efficiency (1 - 0.99).
  - d. Compliance with the annual allowable PM/PM-10 emission rate shall be demonstrated by adding the following equations:
    - i. amount of sand and aggregate transferred to silos (tons/yr) X 0.029 lbs of PM/PM-10 per ton X control efficiency 0.50; plus
    - ii. amount of cement transferred to silos (tons/yr) X 0.27 lbs of PM/PM-10 per ton X control efficiency (1 - 0.99).

**F. Miscellaneous Requirements**

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 14-4285 as issued on February 20, 1997:  
Part II, Special Terms and Conditions: A-E.