

Facility ID: 0634000068 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: 0634000068 Emissions Unit ID: F005 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>
F005 - 200 TPH Concrete Batch Plant including silo vents and weigh hopper controlled by fabric filters; transit mix truck loading; sand and aggregate storage operations with partial enclosures and water/moisture.	OAC rule 3745-31-05 (A)(3) PTI # 06-06380 (12/14/00)	Particulate emissions (PM) shall not exceed 0.010 gr/dscf from the silo vents and weigh hopper stack, or no visible emissions which ever is less stringent. Total particulate emissions from the silo vents and weigh hopper stack shall not exceed 1.4 TPY. No visible emissions except for one minute in any hour 5.1 TPY. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.2.a.and b.)

2. **Additional Terms and Conditions**
 - (a) The permittee shall employ best available control measures at the transit-mix truck loading operation and the sand and aggregate storage operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to partial enclosures and either water spray or sufficient moisture content to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the 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 particulate emissions from the following:
 - silo vents
 - weigh hopper stack
 - transit mix truck loading
 - sand and aggregate operations

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 visible emission incident; and,

- e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semi-annual written reports which:
 - a. identify all days during which any visible particulate emissions were observed from the following:
 - silo vents
 - weigh hopper stack
 - transit mix truck loading
 - sand and aggregate operations
 - b. describe any corrective actions taken to eliminate the visible particulate emissions.

These reports shall be submitted to the Ohio EPA Southeast District Office by January 31 and July 31 of each year to cover the previous 6-month period.

If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

E. Testing Requirements

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

Emissions Limitation:

Particulate emissions (PM) shall not exceed 0.010 gr/dscf from the silo vents or weigh hopper stack, or no visible emissions which ever is less stringent.

Applicable Compliance Method:

Compliance with the no visible particulate emissions limitation shall be determined by the monitoring and recordkeeping in Section II. C. of this permit. If required by the Ohio EPA Southeast District Office, compliance with the 0.010 gr/dscf shall be determined by emissions testing conducted in accordance with 40 CFR Part 60 Appendix A, Methods 1- 5.

Emission Limitation:

Total particulate emissions from the silo vents and weigh hopper stack shall not exceed 1.4 TPY.

Applicable Compliance Method:

The permittee shall determine compliance with the total particulate emissions limit by the summation of the following calculations:

 - a. multiplying the particulate emissions rate of 0.010 grain/dscf by the maximum flow rate of the control device for the silo vents and by the actual hours of operation during the calendar year, and dividing by 2000 lb/ton.
 - b. multiplying the particulate emissions rate of 0.010 grain/dscf by the maximum flow rate of the control device for the weigh hopper and by the actual hours of operation during the calendar year, and dividing by 2000 lb/ton.

Emissions Limitation:

No visible emissions except for one minute in any hour

Applicable Compliance Method:

Compliance with the visible emission limitations for the transit-mix truck loading operation and the sand and aggregate storage operations shall be determined by the monitoring and recordkeeping in Section II. C. 1. of this permit. If required by the Ohio EPA Southeast District Office, compliance shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

Emissions Limitation:

Total particulate emissions from the transit mix-truck loading and the sand & aggregate storage operations shall not exceed 5.1 TPY.

Applicable Compliance Method:

Compliance with the total particulate emissions limitation shall be demonstrated by the use of particulate emissions factors in AP-42, Compilation of Air Pollutant Emission Factors, Fifth Edition, Chapter 11 (1/95), Table 11.12-2 and 75% control efficiency for partial enclosure and water.

F. Miscellaneous Requirements

1. None