

Facility ID: 1677050031 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.

[Go to Part II for Emissions Unit F001](#)
[Go to Part II for Emissions Unit F003](#)

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Facility ID: 1677050031 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> |
|---|--------------------------------------|--|
| Concrete batching plant | | |
| Sand and aggregate unloading to elevated storage bins | OAC rule 3745-17-07 | 20% opacity as 3-min average |
| | OAC rule 3745-17-08 | The drop height of the front-end loader bucket and/or delivery truck shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the conveyor loading area. The sand and aggregate loaded into the elevated bins shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the conveyor and transfer point to bins. |
| Cement unloading to elevated storage and silo vent | OAC rule 3745-17-08 | The cement silo shall be adequately enclosed and vented to fabric filters; the enclosure shall be sufficient to eliminate visible emission of fugitive dust. The fabric filter shall achieve an outlet emission rate of not greater than 0.030 grain of particulate emissions per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the outlet, whichever is less stringent. |
| | | The cement weigh hopper shall be enclosed and vented to the mixer loading chute. |
| Cement weigh hopper loading | OAC rule 3745-17-08 | |
| Aggregate and sand weigh hopper loading | OAC rule 3745-17-08 | The aggregate and sand shall have a moisture content sufficient to minimize or eliminate fugitive dust emissions. |
| Loading of transit-mix truck | OAC rule 3745-17-07 | 20% opacity as 3-min average |
| | OAC rule 3745-17-08 | A ribbon feed system shall be used to load water, cement, and aggregate into the transit-mix truck. The system shall be operated in a manner which minimizes or eliminates visible emissions of fugitive dust. The sand and aggregate shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust that are generated during the transfer of aggregate into the transit-mix trucks. |

2. **Additional Terms and Conditions**
 - (a) None

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 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. 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 semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the 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 method:
Emission Limitation:

20% opacity as a 3-min average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(3)
Emission Limitation-
0.030 gr/dscf

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. None

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Facility ID: 1677050031 Emissions Unit ID: F003 Issuance type: Final State Permit To Operate

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

Part II - Special Terms and Conditions

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- 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> |
|--|---|---|
| paved roadways and parking areas (see Section A.2.a) | OAC rule 3745-17-07 (B)(4) | no visible particulate emissions except for 6 minutes during any 60-minute period |
| | OAC rule 3745-17-08 (B), (B)(8), (B)(9) | reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see section A.2.a) |
| unpaved roadways and parking areas (see Section A.2.b) | OAC rule 3745-17-07 (B)(5) | no visible particulate emissions except for 13 minutes during any 60-minute period |

OAC rule 3745-17-08 (B), (B)(2)

reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see section A.2.b)

2. Additional Terms and Conditions

(a) For paved roadways:

i. The permittee shall sweep the paved roadways and parking areas to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic. The following equipment shall be used to sweep the roadways and parking areas: sweeper. The paved surfaces shall be swept, at a minimum, twice a week. The permittee shall not be required to sweep during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.

ii. Any material carried off of the permittee's property and deposited onto public streets by vehicular traffic or by erosion by water, etc., shall be promptly removed and disposed of properly to minimize or prevent resuspension.

iii. A maximum speed limit of 10 miles per hour shall be posted and enforced on the property.

iv. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times. For unpaved roadways:

i. The permittee shall apply dust suppressants to the unpaved roadways and parking areas to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic. Water shall be used as the dust suppressant, and the following equipment shall be used for the periodic applications: water truck. The dust suppressant shall be applied to the unpaved surfaces, at a minimum, every week. This term and condition shall be waived during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.

ii. Any material carried off of the permittee's property and deposited onto public streets by vehicular traffic or by erosion by water, etc., shall be promptly removed and disposed of properly to minimize or prevent resuspension.

iii. A maximum speed limit of 5 miles per hour shall be posted and enforced on the property.

iv. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records which include the following information for the paved roadways and parking areas:

- a. the date the paved surfaces were swept;
- b. the portions of the paved surfaces that were swept; and
- c. the name of the equipment operator responsible for the sweeping.

2. The permittee shall maintain records which include the following information for the unpaved roadways and parking areas:

- a. the date dust suppressants were applied to the unpaved surfaces;
- b. the portions of unpaved surfaces that were treated with dust suppressants;
- c. the application rate of water and any chemical additives (gallons of each per square yard); and
- d. the name of the equipment operator responsible for the application of the dust suppressants.

D. Reporting Requirements

1. In accordance with paragraph 3 of the General Terms and Conditions, the permittee shall submit deviation reports that identify each week that the roadways and parking areas were not maintained in accordance with sections A.2.a and A.2.b.

E. Testing Requirements

1. Compliance with the emission limitation for the paved and unpaved roadways and parking areas identified above 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)(d) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. None