

Facility ID: 1318544263 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.

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Facility ID: 1318544263 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> |
|---|--------------------------------------|--|
| Paved road and parking lot | OAC rule 3745-17-07(B)(4) | There shall be no visible particulate emissions from any paved roadway or parking area except for a period of time not to exceed six (6) minutes during any sixty-minute observation period. |

see A.2

OAC rule 3745-17-08

2. **Additional Terms and Conditions**
 - (a) All paved road segments and parking areas shall periodically be swept or flushed of surface material in order to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic.
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.

B. Operational Restrictions

1. The speed limit shall not exceed five (5) miles per hour. The permittee shall post speed limit signs on the paved road.

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.
 - (c) The name of the equipment operator responsible for the sweeping.

D. Reporting Requirements

1. None

E. Testing Requirements

1. Compliance with the visible emissions limitation in A.1 shall be demonstrated using Method 22 pursuant to OAC 3745-17-03 (B) (4).

F. Miscellaneous Requirements

1. None

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Facility ID: 1318544263 Emissions Unit ID: F002 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> |
|---|--------------------------------------|---|
| Limestone and Sand Storage Piles | OAC Rule 3745-17-07 (B)(6) | There shall be no visible particulate emissions from any material storage piles except for a period of time not to exceed thirteen (13) minutes during any sixty-minute observation period. |
| | | see A.2 |

OAC Rule 3745-17-08

2. Additional Terms and Conditions

- (a) The permittee shall employ the following measures to minimize or eliminate the visible emissions of fugitive dust resulting from this emissions unit:
 - (i) Spraying water on all storage piles and areas adjacent to the storage piles regularly;
 - (ii) Reducing drop height of front-end loader buckets during load-in operation;
 - (iii) Supplying adequate amounts of water during under-pile gravity load-out operation;
 - (iv) Maintenance of each storage pile height as low as possible to reduce wind erosion; and
 - (v) Keeping vehicle speed to less than 5 mph when driving around storage piles.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. None

D. Reporting Requirements

1. None

E. Testing Requirements

1. Compliance with the visible emission limitation in A.1 shall be demonstrated using Method 22 pursuant to OAC rule 3745-17-03(B)(4).

F. Miscellaneous Requirements

1. None

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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> |
|---|--------------------------------------|---|
| Aggregate Storage Bins (2), Sand Storage Bin (1), Cement Silos (2), Aggregate Blending, and Conveyors (belt) with a 3600 acfm baghouse control system | OAC Rule 3745-17-08 | 0.030 grain of particulate emissions per dry standard cubic foot of exhaust gases or no visible particulate emissions from the exhaust stack, whichever is less stringent. |
| | OAC Rule 3745-17-07(A) | Except as provided above, visible particulate emissions from the baghouse stack shall not exceed 20% opacity, as a six-minute average, except as provided by rule. Fugitive visible particulate emissions shall not exceed 20% opacity, as a three-minute average. |
| | OAC Rule 3745-17-07(B) | See T&C A.2. |

2. Additional Terms and Conditions

- (a) The permittee shall add water or other suitable dust suppressant at the storage bins, silos, aggregate belt conveyor, and other enclosed structures as needed to minimize or eliminate visible emissions of fugitive dust.
The permittee shall use total enclosure to loading, unloading, transferring, and conveying (belt #1) to minimize or eliminate visible emissions of fugitive dust.
The permittee shall apply partial enclosure to conveying (belt #2) to minimize or eliminate visible emissions of fugitive dust.
The collection efficiency of capture equipment shall be sufficient to minimize or eliminate visible particulate emissions of fugitive dust at the points of capture to the extent possible with good engineering design.

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 4 to 7 inches of water while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

E. Testing Requirements

1. Compliance with the mass rate of particulate emissions in A.I shall be determined by an emissions test at the request of Ohio EPA.
2. Compliance with the visible emissions limitations in A.I shall be determined using Method 9 pursuant to OAC 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. Spare bags of at least 10% of the total required of the baghouses should be available on the premises at all times.