Facility ID: 1413020470 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: 1413020470 Emissions Unit ID: P901 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.

| Operations, Property, and/or Equipment | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| P901 - concrete batch plant - unloading to cement/flyash silos w/fabric filter | OAC rule 3745-31-05(A)(3) (PTI 14-05271) | Particulate emissions shall not exceed 8.7 lbs/hr and 17.2 TPY.<br><br>Particulate emissions less than 10 microns in diameter shall not exceed 3.5 lbs/hr and 6.95 TPY.<br><br>The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1). |
| | OAC rule 3745-17-07(A)(1) | See term A.2.b. |
| | OAC rule 3745-17-11(B) | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). |
| Cement, flyash and sand and aggregate weigh hopper loading w/fabric filter | OAC rule 3745-31-05(A)(3) | Particulate emissions shall not exceed 1.03 lbs/hr and 1.55 TPY.<br><br>Particulate emissions less than 10 microns in diameter shall not exceed 1.03 lbs/hr and 1.55 TPY.<br><br>See terms A.2.a, A.2.c, A.2.d, and A.2.f.<br><br>Particulate emissions shall not exceed 0.030 grains/dscf from the fabric filter outlet.<br><br>The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1). |
| | OAC rule 3745-17-07(A)(1) | See term A.2.b. |
| | OAC rule 3745-17-11(B) | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). |
| Transit mix truck loading w/fabric filter | OAC rule 3745-31-05(A)(3) | Particulate emissions shall not exceed 6.1 lbs/hr and 9.15 TPY.<br><br>Particulate emissions less than 10 microns in diameter shall not exceed 1.5 lbs/hr and 2.25 TPY.<br><br>See terms A.2.c and A.2.e.<br><br>Particulate emissions shall not exceed 0.030 grains/dscf from the fabric filter outlet<br><br>The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1). |
| | OAC rule 3745-17-07(A)(1) | See term A.2.b. |

| | | |
|---|---|---|
| | OAC rule 3745-17-11(B) | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). |
| Sand/aggregate transfer to elevated bins | OAC rule 3745-31-05(A)(3) | Particulate emissions shall not exceed 1.44 lbs/hr and 2.17 TPY.<br><br>Particulate emissions less than 10 microns in diameter shall not exceed 1.44 lbs/hr and 2.17 TPY.<br><br>See terms A.2.a and A.2.c. |

2. **Additional Terms and Conditions**

(a) Sand and aggregate shall be maintained in a moist condition in order to minimize or eliminate visible emissions of fugitive dust.
Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
Visible particulate emissions of fugitive dust from any fugitive dust emissions point shall not exceed twenty percent (20%) opacity as a three-minute average.
The cement/flyash weigh hopper shall be partially enclosed and vented to a fabric filter with a 99% control efficiency.
The transit mix truck loading station shall be partially enclosed and vented to a fabric filter with a 99% control efficiency.
The sand/aggregate weigh hopper shall be partially enclosed in order to minimize or eliminate visible emissions of fugitive dust.
The hourly emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limits.

B. **Operational Restrictions**

1. The maximum concrete production rate for this emissions unit shall not exceed 600,000 tons per year.

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

1. The permittee shall maintain monthly records of the amount of concrete produced in this emissions unit.

D. **Reporting Requirements**

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. **Testing Requirements**

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

a. Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.

b. Emission Limitation:

Visible particulate emissions of fugitive dust from any fugitive dust emissions point shall not exceed twenty percent (20%) opacity as a three-minute average.

Applicable Compliance Method:

Compliance shall be determined in accordance with U.S. EPA Method 9, with the following modifications:

1. the data reduction and average opacity calculation shall be based upon sets of twelve consecutive visible emission observations recorded at 15-second intervals;

2. opacity observations shall be made from a position that provides the observer a clear view of the emissions unit and the fugitive dust, with the sun behind the observer;

3. where possible, visible opacity observations shall be conducted at a position of at least fifteen feet from the source of emissions; and

4. the visible opacity observations shall be made for the point of highest opacity within the fugitive dust emitted from the source.
c. Emission Limitation:
Unloading to Cement/Fly Ash Silos -
Particulate emissions shall not exceed 8.7 lbs/hr and 17.2 TPY.
Particulate emissions less than 10 microns (PM10) shall not exceed 3.5 lbs/hr and 6.95 TPY.

Cement, Flyash, and Sand and Aggregate Weigh Hopper Loading -
Particulate emissions shall not exceed 1.03 lbs/hr and 1.55 TPY.
Particulate emissions less than 10 microns (PM10) shall not exceed 1.03 lbs/hr and 1.55 TPY.

Transit Mix Truck Loading -
Particulate emissions shall not exceed 6.1 lbs/hr and 9.15 TPY.
Particulate emissions less than 10 microns (PM10) shall not exceed 1.5 lbs/hr and 2.25 TPY.

Sand and Aggregate Transfer to Bins -
Particulate emissions shall not exceed 1.44 lbs/hr and 2.17 TPY.
Particulate emissions less than 10 microns (PM10) shall not exceed 1.44 lbs/hr and 2.17 TPY.

Applicable Compliance Method:
Compliance with the particulate emissions limitations in term A.1. above shall be determined by using the applicable Concrete Batching emission factors in AP-42, Section 11.12 (dated 01/95 and 10/01).

2. Compliance with the production limitation in term B.1. shall be determined by the records maintained pursuant to term C.1.

F. **Miscellaneous Requirements**

None