

Facility ID: 1431230120 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: 1431230120 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>   |
|---|---|--|
| F001 - Sand, Aggregate, and Cement Loading - Plant #2 | OAC rule 3745-31-05(A)(3) (PTI 14-3856) | Particulate emissions shall not exceed 0.92 lb/hr and 1.17 TPY.<br><br>Particulate emissions less than 10 microns in diameter shall not exceed 0.78 lb/hr and 0.99 TPY.    |
|   | OAC rule 3745-17-07(A)(1)               | See term A.2.a. and Section B.1.<br>Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as specified by rule. |
|   | OAC rule 3745-17-07(B)(1)               | Visible particulate emissions from any fugitive dust emissions point shall not exceed 20 percent opacity as a three-minute average, except as specified by rule.           |
|   | OAC rule 3745-17-08(B)                  | Particulate emissions from the outlet of the fabric filter shall not exceed 0.030 grains/dry standard cubic foot.  |
|   | OAC rule 3745-17-11(B)(1)               | The emission limitation established by this rule is less stringent than the emission limitation in OAC rule 3745-31-05(A)(3).  |

**2. Additional Terms and Conditions**

- (a) Sand and aggregate transferred to silos shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust.

**B. Operational Restrictions**

1. The total amount of concrete produced in this emission unit shall not exceed 200,000 TPY.

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

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

**D. Reporting Requirements**

1. The permittee shall submit annual reports of the concrete produced in this emissions unit in tons to the Hamilton County Department of Environmental Services. This report shall be submitted by February 15 of each year and shall cover the previous calendar year (January through December).

**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 20 percent opacity as a three-minute average, except as specified by rule.

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 Silos and Sand and Aggregate Transfer to Bins:  
Particulate emissions shall not exceed 0.92 lb/hr and 1.17 TPY.

Particulate emissions less than 10 microns in diameter shall not exceed 0.78 lb/hr and 0.99 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).

d. Emission Limitation:

Particulate emissions from the outlet of the fabric filter shall not exceed 0.030 grains/dry standard cubic foot.

Applicable Compliance Method:

If testing is required to demonstrate compliance with the allowable emission limitation of 0.03 grains PM/dscf then, testing shall be conducted using the following method: Methods 1-5 of 40 CFR Part 60, Appendix A.

2. Compliance with the production limitation given in Section B.1. shall be demonstrated by the record keeping requirements in Section C.1.

**F. Miscellaneous Requirements**

1. The permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met and following the approval of the director. The director may issue a "Notice of Site Approval" if the portable source meets the following criteria pursuant to OAC rule 3745-31-03(A)(1)(p)(i):
  - a. the portable source has been issued a permit to install (PTI) and the permittee continues to comply with any applicable best available technology (BAT) determination and state and/or federal rules;
  - b. the portable source is operating pursuant to a currently effective PTI and/or any applicable permit to operate (PTO) and continues to comply with the requirements of the permit;
  - c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation\*;
  - d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance in violation of OAC rule 3745-15-07; and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and
 

e the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07 and the relocation will not result in the installation of a major stationary source or a modification of an existing major stationary source.

The portable source can be relocated upon receipt of the director's "Notice of Site Approval" for the site.
2. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may

result in fines and civil penalties.