

Facility ID: 1483060219 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: 1483060219 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P901 - Concrete Batch Plant	OAC rule 3745-31-05(A)(3)	Particulate emissions shall not exceed 0.32 lb/hr and 1.4 TPY.
24 TPH unloading to cement silos (3) with fabric filter	OAC rule 3745-17-07(A)(1) OAC rule 3745-17-11(B)	Particulate emissions less than 10 microns (PM10) shall not exceed 0.32 lb/hr and 1.4 TPY. See term A.2.b. The emissions limitation established by this rule is less stringent than the limitations established in OAC rule 3745-31-05(A)(3).
24 TPH cement weigh hopper loading with fabric filter	OAC rule 3745-31-05(A)(3)	Particulate emissions shall not exceed 0.02 lb/hr and 0.11 TPY. Particulate emissions less than 10 microns (PM10) shall not exceed 0.02 lb/hr and 0.11 TPY.
	OAC rule 3745-17-07(A)(1) OAC rule 3745-17-11(B)	See terms A.2.c and A.2.d. See term A.2.b. The emission limitation established by this rule is less stringent than the limitations established in OAC rule 3745-31-05(A)(3).
179 TPH transit mix truck loading with fabric filter	OAC rule 3745-31-05(A)(3)	Particulate emissions shall not exceed 0.52 lb/hr and 2.3 TPY. Particulate emissions less than 10 microns (PM10) shall not exceed 0.52 lb/hr and 2.3 TPY.
	OAC rule 3745-17-07(A)(1) OAC rule 3745-17-11(B)	See terms A.2.c and A.2.e. See term A.2.b. The emission limitation established by this rule is less stringent than the limitations established in OAC rule 3745-31-05(A)(3).
155 TPH sand/aggregate transfer to elevated bins	OAC rule 3745-31-05(A)(3)	Particulate emissions shall not exceed 2.2 lbs/hr and 9.8 TPY. Particulate emissions less than 10 microns (PM10) shall not exceed 2.2 lbs/hr and 9.8 TPY.
	OAC rule 3745-31-05(A)(3)	See terms A.2.a and A.2.c. Particulate emissions shall not exceed 0.93 lb/hr and 4.07 TPY. Particulate emissions less than 10 microns (PM10) shall not exceed 0.93 lb/hr and 4.07 TPY. See terms A.2.a, A.2.c, and A.2.f.

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 95% control efficiency.
 The transit mix truck loading station shall be partially enclosed and vented to a fabric filter with a 95% control efficiency.
 The sand/aggregate weigh hopper shall be partially enclosed in order to minimize or eliminate visible emissions of fugitive dust.
 The hourly and annual 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. None

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. None

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

Particulate emissions shall not exceed 0.32 lb/hr and 1.4 TPY.

Particulate emissions less than 10 microns (PM10) shall not exceed 0.32 lb/hr and 1.4 TPY.

Particulate emissions shall not exceed 0.02 lb/hr and 0.11 TPY.

Particulate emissions less than 10 microns (PM10) shall not exceed 0.02 lb/hr and 0.11 TPY.

Particulate emissions shall not exceed 0.52 lb/hr and 2.3 TPY.

Particulate emissions less than 10 microns (PM10) shall not exceed 0.52 lb/hr and 2.3 TPY.

Particulate emissions shall not exceed 2.2 lbs/hr and 9.8 TPY.

Particulate emissions less than 10 microns (PM10) shall not exceed 2.2 lbs/hr and 9.8 TPY.

Particulate emissions shall not exceed 0.93 lb/hr and 4.07 TPY.

Particulate emissions less than 10 microns (PM10) shall not exceed 0.93 lb/hr and 4.07 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, 1986 (reformatted1/95) in the equations as submitted in PTI application 14-04907, submitted on April 5, 2000.

F. **Miscellaneous Requirements**

1. None