

Facility ID: 0671000139 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: 0671000139 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 - 240 tph Truck-mix Concrete Batch Plant (weigh hopper loading and truck loading) controlled with a fabric filter	OAC rule 3745-31-05(A)(3) (PTI 06-07419, issued 3/18/04)	There shall be no visible particulate emissions (PE) from the exhaust stack. Visible PE from any fugitive dust source shall not exceed 20 percent opacity as a three-minute average. The fabric filter shall achieve an outlet emission rate of not greater than 0.030 grain of PE per dry standard cubic foot of exhaust gases. Total PE shall not exceed 34.46 tons per year.
	OAC rule 3745-17-07 (A)(1) OAC rule 3745-17-11	See sections A.2.a through A.2.d. below. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:
 - i. Cement/flyash weigh hopper loading
 - ii. Aggregate weigh hopper loading (sand and limestone)
 - iii. Weigh hopper load-out/load chute (cement and aggregate)
 - iv. Truck loading
The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

material handling operation(s) / control measure(s)
i. Cement/Flyash weigh hopper loading / Cement weigh hopper dust collector (baghouse)
ii. Aggregate/Sand weigh hopper loading and unloading / Adequate moisture to control fugitive emissions
iii. Weigh hopper load-out/load chute (cement and aggregate) / Loading hood dust collection system (baghouse)
iv. Truck loading / Loading hood dust collection system (baghouse)

Nothing in this paragraph shall prohibit the permittee from employing additional control measures to ensure compliance.
For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are)

necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary. Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks while the equipment is in operation for any visible particulate emissions from the fabric filter exhaust, or any visible fugitive particulate emissions from the batch plant. The presence or absence of any visible emissions from the fabric filter exhaust, and/or the batch plant shall be noted in an operations log. If any visible emissions are observed, corrective actions shall be taken to eliminate the visible emissions and these actions shall also be noted in the operations log.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
- each day during which an inspection was not performed by the required frequency, and;
 - each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

If no visible emissions are observed during a given period, the permittee shall submit a report which states that no visible emissions were observed during that period. (These reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

E. Testing Requirements

1. Emission Limitation:

There shall be no visible particulate emissions from the exhaust stack.

Compliance Method:

Compliance shall be demonstrated through Monitoring Requirement C.1 and Reporting Requirement D.1 and 2, above.

If required, compliance with the no visible emission limit from the exhaust of the fabric filter shall be determined using Test Method 22-like visible emission observations (Although Test Method 22 applies to fugitive emissions units, the visible/no visible emissions observation technique of Test Method 22 can be applied to ducted emissions, i.e., Test Method 22-like visible emission observations).

2. Emission Limitation:

The fabric filters shall achieve an outlet emission rate of not greater than 0.030 grain of PE per dry standard cubic foot of exhaust gases.

Compliance Method:

Compliance shall be demonstrated through Monitoring Requirement C.1 and Reporting Requirement D.3, above.

If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(7).

3. Emission Limitation:

Total PE shall not exceed 34.46 tons per year.

Compliance Method:

Compliance with the TPY emission limitation shall be demonstrated by the following calculations using emission factors from AP 42, Compilation of Air Pollutant Emission Factors, Chapter 11, Table 11.12-3 (issued 10/01).

Weigh hopper load-in/load-out: 0.0079 lb/yd³
 Material transfer to mix truck: 0.058 lb/yd³
 TOTAL emission factor : 0.0659 lb/yd³

For Batch Plant Operations: PE = (0.0659 lb/yd³) (240 tons/hr) (8760 hr/yr) (1 yd³/ 2.01 ton) (1 ton/2000 lb) = 34.46 TPY

Total Batch Plant emissions = 34.46 TPY

4. Emission Limitation:

Visible PE from any fugitive dust source shall not exceed 20 per cent opacity as a three-minute average.

Compliance Method:

Compliance with the fugitive visible emission limitations identified above shall be determined in accordance with Test Method 9 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, 2002, and the modifications listed in paragraph (B)(3) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. None