

Facility ID: 0247050793 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: 0247050793 Emissions Unit ID: F003 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
cement silos and weigh hopper with fabric sock	OAC rule 3745-31-05(A)(3) (PTI 02-3357)	7.2 lbs of particulate emissions/hr See sections A.2.b through A.2.f.
	OAC rule 3745-17-11(B)(1)	[The PTI did not specify any mass emission or visible emission limitations for the fugitive dust emissions.] The particulate emission limitation established in this rule is less stringent than that established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule.
aggregate transfer to elevated storage bins	OAC rule 3745-31-05(A)(3) (PTI 02-3357)	See section A.2.a.
transit mix truck loading	OAC rule 3745-31-05(A)(3) (PTI 02-3357)	See section A.2.g.
aggregate transfer to elevated storage bins and transit mix truck loading	OAC rule 3745-17-08(B)	In accordance with OAC rule 3745-17-08(A)(1), the requirements of OAC rule 3745-17-08(B) shall not apply to this emissions unit.
	OAC rule 3745-17-07(B)(1)	In accordance with OAC rule 3745-17-07(B)(11)(e), the requirements of OAC rule 3745-17-07(B)(1) shall not apply to this emissions unit.

2. **Additional Terms and Conditions**
 - (a) All sand and aggregate transferred to any elevated storage bin shall contain sufficient moisture so as to minimize or eliminate visible emissions of fugitive dust.
During the loading of the sand and aggregate conveyor, the drop height of the front-end loader shall be minimized in order to minimize or eliminate visible emissions of fugitive dust.
Cement shall be transferred pneumatically to storage. The pneumatic system shall be adequately enclosed and the enclosure shall be sufficient to eliminate visible emissions of fugitive dust at all times.
The cement silo shall be adequately enclosed and vented to a fabric sock. The enclosure shall be sufficient to minimize or eliminate visible emissions of fugitive dust at the points of capture.
The cement hopper shall be adequately enclosed. The enclosure shall be sufficient to eliminate visible emissions of fugitive dust at all times.
The aggregate and sand to be loaded into the weigh hopper and the associated conveyor shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust at all times.
The transit mix truck loading operation shall employ a watering ring in the loading chute that shall be sufficient to minimize or eliminate visible emissions of fugitive dust at all times.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks while the emissions unit is in operation and when the weather conditions

allow for any visible particulate emissions from the stacks serving this emissions unit (while loading cement) and for any visible emissions of fugitive dust from this emissions unit (while loading cement and while loading transit mix trucks). The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the location and color of the emissions;
- b. the cause of the visible emissions;
- c. the total duration of any visible emission incident; and
- d. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semi-annual written reports that (a) identify all days during which any visible particulate emissions were observed from the stacks serving this emissions unit and/or any visible emissions of fugitive dust were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible emissions. These reports shall be submitted to the Northeast District Office of Ohio EPA by January 31 and July 31 of each year and shall cover the previous six-month period.

E. Testing Requirements

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

Emission Limitation:

7.2 lbs of particulate emissions/hr

Applicable Compliance Method:

Compliance with the above hourly particulate emission limitation shall be determined by using the emission factors ("EFs") from AP-42, Chapter 11.12 (Concrete Batching), Fifth Edition, dated 1/1995, in the following equation with a control efficiency for the use of a fabric sock:

Summation of: [maximum silos loading rate (TPH) x (EF of 0.27 lb of PE/ton) x (1 - 0.90)] + [maximum weigh hopper loading rate (TPH) x (EF of 0.02 lb of PE/ton) x (1 - 0.90)] = lbs of PE/hr

Emission Limitation:

Visible particulate emissions from the stacks serving this emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance with the above visible particulate emission limitation shall be determined using the method specified in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. If probable cause exists indicating this emissions unit is causing or contributing to a nuisance in violation of OAC rule 3745-15-07, the permittee shall be required to submit and implement a control program which will bring this emissions unit into compliance.