

Facility ID: 1409010914 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: 1409010914 Emissions Unit ID: P902 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>
Transit Ready Mix Concrete Batch Plant - P902 Unloading to cement/flyash silos w/fabric filter	(PTI 14-04995 modified 2/28/08)	
	OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) shall not exceed 8.69 lbs/hr or 7.24 tons/yr from the fabric filter.
	OAC rule 3745-17-07(A)(1)	Particulate emissions with a diameter of 10 microns or less (PM10) shall not exceed 3.52 lbs/hr or 2.92 tons/yr from the fabric filter.
	OAC rule 3745-17-11(B)	See term A.2.b.
Cement, flyash, sand and aggregate weigh hopper loading w/fabric filter	OAC rule 3745-31-05(A)(3)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). Particulate emissions (PE) shall not exceed 0.37 lb/hr or 0.31 ton/yr from the fabric filter.
		Particulate emissions having a diameter of 10 microns and less (PM10) shall not exceed 0.18 lb/hr or 0.14 ton/yr from the fabric filter.
		See terms A.2.d. and A.2.f.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1) & (B)(1) and OAC rule 3745-17-08(B)(1)&(3).
Transit mix truck loading w/fabric filter	OAC rule 3745-17-07(A)(1)	See term A.2.b.
	OAC rule 3745-17-07(B)(1)	See term A.2.c.
	OAC rule 3745-17-08(B)(3)	PE shall not exceed 0.030 grain of PM/dscf from the fabric filter outlet.
	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).
	OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) shall not exceed 43.3 lbs/hr or 36.1 tons/yr from the fabric filter.
		Particulate emissions having a diameter of 10 microns and less (PM10) shall not exceed 12.1 lbs/hr or 10.08 tons/yr from the fabric filter.
		See term A.2.e.
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A)(1)

	OAC rule 3745-17-07(A)(1)	&(B)(1) and OAC rules 3745-17-08(B)(1)&(3). See term A.2.b.
	OAC rule 3745-17-07(B)(1)	See term A.2.c.
	OAC rule 3745-17-08(B)(3)	PE shall not exceed 0.030 grain of PE/dscf from the fabric filter outlet or have no visible emissions from the stack .
	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 (PE) shall not exceed 0.77 lb/hr or 0.64 ton/yr. Particulate emissions having a diameter of 10 microns and less (PM10) shall not exceed 0.37 lb/hr or 0.31 ton/yr from the fabric filter.
	OAC rule 3745-17-07(B)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1). See term A.2.c.
	OAC rule 3745-17-08(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).

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% opacity, as a six-minute average, except as specified by rule.
Visible particulate emissions of fugitive dust shall not exceed 20% opacity, as a three-minute average, except as specified by rule.
The cement/flyash/sand and aggregate weigh hopper shall be partially enclosed and vented to a fabric filter with at least a 95% control efficiency for PE and PM10.
The transit mix truck loading station shall be partially enclosed and vented to a fabric filter with at least a 95% control efficiency for PE and PM10.
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.
Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by partial enclosure of the transit mix truck loading station and sand and aggregate weigh hopper, the use of a fabric filter, visible emission limitations and production limits.
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.
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.

B. Operational Restrictions

1. The maximum concrete production rate for this emissions unit shall not exceed 500,000 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 the annual production rate in tons per year for this emissions unit. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. a. Emissions Limitations:

0.77 lb/hr; 0.64 TPY PM Sand/aggregate transfer to elevated bins
 0.37 lb/hr; 0.31 TPY PM-10 Sand/aggregate transfer to elevated bins
 0.37 lb/hr; 0.18 TPY PM Weigh hopper loading
 0.18 lb/hr; 0.14 TPY PM-10 Weigh hopper loading
 8.69 lbs/hr; 7.24 TPY PM Unloading to silos with fabric filter
 3.52 lbs/hr; 2.92 TPY PM-10 Unloading silos with fabric filter
 43.3 lbs/hr; 36.1 TPY PM Transit mix loading with fabric filter
 12.1 lbs/hr; 10.1 TPY PM-10 Transit mix loading with fabric filter

Applicable Compliance Method:

Compliance with the particulate emissions limitations in term and condition A.1 shall be determined in a calculation using the applicable emission factors from AP-42, Fifth Edition, Chapter 11.12, Concrete Batching (June 2006), multiplied by the actual process rate in tons material per hour and tons material per year.

b. Emissions Limitations:

Particulate emissions from the fabric filter outlet stack associated with emissions unit P902 shall achieve an outlet particulate emissions rate of 0.030 gr/dscf or have no visible emissions.

If complying with the grains/dscf emissions limit, then the visible particulate emissions limit from any stack shall not exceed 20% opacity as a six-minute average.

Applicable Compliance Method:

If required, compliance with the mass emission limitation shall be determined in accordance with Test Methods 1-5 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, 1996.

Compliance with the visible emission limitation 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, 1996.

c. Emissions Limitations:

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

Applicable Compliance Method:

Compliance 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.

d. Emissions Limitation:

Fugitive visible particulate emissions from any operation associated with this emissions unit shall not exceed twenty percent opacity as a three-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance 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").

e. Production limitation:

The maximum allowable concrete production rate shall not exceed 500,000 tons per year.

Applicable Compliance Method:

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

F. Miscellaneous Requirements

1. None