

Facility ID: 1431944167 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: 1431944167 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 - Portable Barge Unloading of Cement (300 tons per hour unit)	OAC rule 3745-31-05(A)(3) (PTI 14-05603)	Particulate emissions (PE) shall not exceed 3.62 pounds per hour* and 0.12 tons per year (TPY).  PE = PM10  *The hourly emission limitations are based on the emissions unit's Potential to Emit, therefore no hourly records are required to demonstrate compliance.  See terms and conditions A.2.b. and A.2.d.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1). The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). See term A.2.c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 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).
	OAC rule 3745-17-07(A)(1)	
	OAC rule 3745-17-07(B)(1) OAC rule 3745-17-08(B)(3)	
	OAC rule 3745-17-11(B)	

**2. Additional Terms and Conditions**

- (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a totally enclosed conveying system and a retractable load shoot vented to a fabric filter with a 99.9% control efficiency and compliance with the production limitation, mass emission limitations and visible emission limitations.  
Visible particulate emissions from any stack shall not exceed 10 percent opacity, as a six-minute average.  
Fugitive visible particulate emissions shall not exceed 20 percent opacity as a three-minute average, except as specified by rule.  
The truck loading operation shall be adequately enclosed and vented to a fabric filter. The enclosure shall be sufficient to minimize or eliminate visible emissions of fugitive dust at the point of capture.

**B. Operational Restrictions**

1. The maximum cement transfer rate for this emissions unit shall not exceed 20,000 tons per year.

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

1. The permittee shall maintain monthly records of the amount of cement unloaded in this emissions unit.

**D. Reporting Requirements**

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted to the

Hamilton County Department of Environmental Services by January 31 of each year and cover the previous calendar year operation. If no exceedances occurred the permittee shall state so in the report.

**E. Testing Requirements**

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

a. Emission Limitation

3.62 lbs PE/hr; 0.12 TPY PM  
3.62 lbs PM10/hr; 0.12 TPY PM10

Applicable Compliance Method

Compliance shall be determined by the sum of: the multiplication of the particulate emission factor 0.236 lbs/ton, from RACM Table 2.13-2, by the maximum production rate, then by (1- the overall control efficiency) for the stack emissions; and the particulate emission factor 0.236 lbs/ton from RACM table 2.13-2 multiplied by the maximum production rate, then by (1- the capture efficiency) for the fugitive emissions associated with the truck loading.

b. Visible Emissions Limitation

Visible particulate emissions from any stack shall not exceed 10 percent opacity, as a six-minute average.

Applicable Compliance Method

Compliance with visible particulate emission limitation specified in term and condition A.2.b shall be determined by the methods specified in 40 CFR Part 60 Appendix A, 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. Visible Emissions Limitation

Fugitive visible particulate emissions shall not exceed 20 percent opacity as a three- minute average, except as specified by rule.

Applicable Compliance Method

Compliance with visible particulate emission limitation specified in term and condition A.2.c 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.

d. Production limitation

The maximum cement transfer rate for this emissions unit shall not exceed 20,000 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. Pursuant to OAC rule 3745-31-03(A)(1)(p), the permittee of a portable source may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing certain criteria are met. The portable source shall meet one of the two following scenarios in order to qualify for this PTI exemption for the new location:

a. The following determinations have been documented, pursuant to OAC rule 3745-31-03(A)(1)(p)(i):

- i. the portable source is equipped with the best available technology for such portable source;
- ii. the portable source is operating pursuant to a currently effective permit to install, permit to operate (PTO), or registration status;
- iii. the applicant has provided proper notice of the intent to relocate the portable source to the (1.) Ohio EPA District Office or local air agency responsible for the permit(s) for the source and (2.) the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site within a minimum of 30 days prior to the scheduled relocation; and
- iv. in the judgement of the Ohio EPA District Office or local air agency having jurisdiction over the new site, the proposed site is acceptable under OAC rule 3745-15-07.
  - b. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable source may relocate within the State of Ohio without first obtaining a PTI, providing the following criteria of OAC rule 3745-31-05(E) are met:
    - i. the portable source permittee possesses an Ohio EPA PTI, PTO or registration status;
    - ii. the portable source is equipped with best available technology;
    - iii. the portable source owner has identified the proposed site to Ohio EPA;
    - iv. Ohio EPA has determined that the portable source, at the proposed site, will have an acceptable environmental impact;
    - v. a public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;

- vi. the owner of the proposed site has provided the portable source owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable source to this proposed site; and
  - vii. the portable source owner has provided Ohio EPA with 15 days written notice of the relocation.
2. Any site approvals issued by the Ohio EPA, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), shall be valid for no longer than 3 years and are subject to renewal.

In order for the permitting Ohio EPA District Office or local air agency and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee of the portable source must file a " Notice of Intent to Relocate" within the specified time frame (30 or 15 days), prior to the relocation of the portable source with the Ohio EPA District Office or local air agency responsible for the permits for the source and the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Upon receipt of the notice, the Ohio EPA District Office or local air agency responsible for the permits for the portable source, and/or appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.