

Facility ID: 1483110283 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: 1483110283 Emissions Unit ID: F002 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>
F002-Aggregate Storage Piles	OAC rule 3745-31-05(A)(3) PTI 14-01213	Particulate emissions (PE) shall not exceed 3.10 TPY. Visible Particulate Emissions (PE) shall not exceed 5 percent opacity as a three-minute average.
	OAC rule 3745-17-07(B)	See A.2. below. This emissions unit is exempt from the visible particulate emission limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.
	OAC rule 3745-17-08(B)	This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08 (B), which requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).

2. Additional Terms and Conditions

- (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by compliance with the applicable visible emissions limitation, compliance with the applicable PM and PM10 emissions limitations, and maintenance of the moisture content in the sand and aggregate material.
The permittee shall ensure that all aggregate storage piles contain sufficient moisture so as to minimize or eliminate visible emissions caused by wind erosion and load-in and load-out activities.

B. Operational Restrictions

1. The permittee shall minimize the drop height of the front-end loader during the unloading onto or removal from the aggregate storage piles, to minimize or eliminate visible emissions of fugitive dust.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain the following records:
 - a. The date dust suppressants were applied to the storage piles.
 - b. The portions of the storage piles that were treated with dust suppressants.
 - c. The application rate of water and any chemical additives (gallons of each per square yard).
 - d. The name of the equipment operator responsible for the application of the dust suppressants.

D. Reporting Requirements

1. None

E. Testing Requirements

1. Compliance with the fugitive visible particulate emission limitations shall be determined through visible emission observations performed in accordance U.S. EPA Method 9.

2. Emissions Limitation:

Particulate emissions (PE) shall not exceed 3.10 TPY.

Applicable Compliance Method:

Compliance with the annual PM emissions limitation shall be demonstrated by summing the emissions calculated by using the following equations from AP-42, Fifth Edition:

a. For wind erosion:

$EF = 1.7(S/1.5)[(365-p)/235](f/15)$ in lbs/day/acre where,

S = Silt Content of Stored Material, % by wt
p = number of days with > 0.01 inches of precipitation
f = percentage of time wind speed exceeds 12 MPH
A = Land area in acres

b. For loading/unloading:

$E = k(.0032)^*(u/5)^{1.3}/(M/2)^{1.4}$ in lb/ton where,
k=Particulate size multiplier
M=Material Moisture Content%
U=Mean Wind Speed MPH (Use 9.1 for Cincinnati)

F. **Miscellaneous Requirements**

1. None