

Facility ID: 1431074043 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: 1431074043 Emissions Unit ID: F001 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>
F001-raw material unloading	OAC rule 3745-31-05(A)(3) (PTI 14-04837)	Particulate Emissions (PE) shall not exceed 0.13 pound per hour and 0.59 ton per year.
		Particulate Matter less than 10 microns in diameter (PM10) emissions shall not exceed 0.11 pound per hour and 0.50 ton per year.
	OAC rule 3745-17-07(A)(1)	See term A.2. Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six minute average, except as specified by rule.
	OAC rule 3745-17-11	The emission limitation(s)/opacity restrictions established by this rule is less stringent than those established by Ohio Administrative Code rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of fabric filters to control particulate emissions.

**B. Operational Restrictions**

1. None

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

1. The permittee shall visually inspect each of the control devices which are required to control particulate emissions from emissions unit F001 for visible holes or tears, bag leaks, and excessive dusting or visible emissions on a monthly basis. Corrective actions shall be initiated if any of the above control device malfunctions are detected.

The permittee shall maintain monthly records of the date, time, and the results of the visual inspections. The date, time, and description of any corrective actions taken to remedy control device malfunctions shall also be recorded.

**D. Reporting Requirements**

1. The permittee shall submit semi-annual reports to the Hamilton County Department of Environmental Services which summarize any visible inspections that detected a control device malfunction during the previous six months. This report shall also include a description of the corrective actions which have been or will be taken to remedy the control device malfunction(s). The reports shall be submitted by February 15 and August 15 of each year and shall cover the previous six (6) calendar months (July through December and January through June, respectively). If no problems (malfunctions) were observed a report is required stating so.

**E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation

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

Applicable Compliance Method

Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

2. Emission Limitation:

0.13 lb PE/hr and 0.59 TPY PE.

Applicable Compliance Method:

Compliance with the emission limitations outlined in this permit shall be determined by using emission factors from USEPA reference document AP-42, Section 11.17, fifth edition, February, 1998 and the following equations:

for hourly emissions  $A \times B \times (1-C) = \text{lbs/hr PE}$

where:

A = tons of material unloaded per hour = 11;  
 B = AP-42 emission factor = 0.61 lbs PE/ton material unloaded; and  
 C = Control Efficiency of fabric filter = 98% = .98.

For annual emissions  $A \times B \times (1-C) / 2000$

A = tons of material unloaded per year = 96360;  
 B = AP-42 emission factor = 0.61 lbs PE/ton material unloaded; and  
 C = Control Efficiency of fabric filter = 98% = .98.

3. Emission limitations:

0.11 lb PM-10/hr and 0.50 TPY PM-10.

Applicable Compliance method:

PM10 emissions are calculated to be 85 percent of particulate emissions. See AP-42 Appendix C.2 Table C.2-2 Category 4 (10/86)

$0.13 \text{ lbs PE/hr} \times 0.85 = 0.11 \text{ PM}_{10}/\text{hr}$

$0.59 \text{ TPY PE} \times 0.85 = 0.50 \text{ TPY PM}_{10}$

F. **Miscellaneous Requirements**

1. None