Facility ID: 0640010010 Issuance type: Draft State Permit To Operate

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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: 0640010010 Emissions Unit ID: P005 Issuance type: Draft 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
McDermott Dryer #1 (30.0 TPH), 4.0 mmBtu/hr natural gas fired dryer with a baghouse and an enclosure	OAC rule 3745-35-07(B)	15.4 lbs/hr of particulate emissions
		18.0 tons of particulate emissions per rolling, 12-month period
		1.0 lb/hr of sulfur dioxide emissions
		See section A.2.a.
	OAC rule 3745-17-11	See section A.2.b.
	OAC rule 3745-17-07(A)	See section A.2.b.
	OAC rule 3745-17-07(B)	See section A.2.c.
	OAC rule 3745-17-08(B)	See section A.2.c.
	OAC rule 3745-18-06	See section A.2.b.

2. **Additional Terms and Conditions**

   (a) There shall be no visible particulate emissions from the baghouse or the enclosure serving this emissions unit.
   The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-35-07(B).
   This facility is located in Oakhill, Jackson County, which is a non- Appendix A area as specified in OAC rule 3745-17-08. Therefore, the fugitive dust emissions from this emissions unit are exempt from the fugitive dust control requirements and visible emission limitation established in OAC rules 3745-17-08 (B) and 3745-17-07(B), respectively.
   The permittee shall operate and maintain the baghouse with a control efficiency of greater than or equal to 99%.

B. **Operational Restrictions**

1. This emissions unit is limited to 2340 hours of operation per rolling, 12-month period.

2. In order to ensure federal enforceability for the first 12 calendar months of operation after the effective date of this permit, this emissions unit shall not exceed the following cumulative hours of operation limits:

   MONTH(s) Cumulative hours of operation
   1 195
   1-2 390
   1-3 585
   1-4 780
   1-5 975
   1-6 1170
   1-7 1365
   1-8 1560
   1-9 1755
   1-10 1950
   1-11 2145
   1-12 2340

3. This emissions unit shall not exceed a production rate of 11.0 tons per hour as an average over each calendar month.

4. The permittee shall burn only natural gas in this emissions unit.

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

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the total tons of material processed;

   b. the total hours of operation;

   c. the calculated rolling, 12-month total of the hours of operation;

   d. the average hourly operating rate (a/b), in tons per hour; and

   e. during the first 12 months of operation after the effective date of this permit, the total cumulative hours of operation.

2. This emissions unit shall be equipped with a timer to accurately document the total hours of operation.

3. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse stack serving this emissions unit and any building egress point. 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 color of the emissions;

   b. the total duration of any visible emission incident; and

   c. any corrective actions taken to eliminate the visible emissions.

4. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. **Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports that identify any exceedances of the rolling, 12-month hours of operation limitation specified in section B.1 of this permit (or for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation specified in section B.2).

2. The permittee shall submit quarterly deviation (excursion) reports that identify all the periods of time during which the production rate did not comply with the allowable limit specified in section B.3 of this permit.

3. The deviaiton reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.3.

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the baghouse stack serving this emissions unit and/or any building egress point and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Ohio EPA, Southeast District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

5. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit and the total hours of operation for the previous calendar year. Each report shall be submitted by February 15 of each year.

6. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

E. **Testing Requirements**

1. Compliance with the emission limitations in sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:
   Emission Limitation:

   15.4 lbs/hr of particulate emissions

   Applicable Compliance Method:

   If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and OAC rule 3745-17-03(B)(10).
   Emission Limitation:

   There shall be no visible particulate emissions from any baghouse or the enclosure serving this emissions unit.

   Applicable Compliance Method:

   Compliance shall be determined in accordance with Test Method 22 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, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.
   Emission Limitation:

   18.0 tons of particulate emissions per rolling, 12-month period

   Applicable Compliance Method:

Compliance shall be determined based upon the following equation:

E = (EF) (AHPR) (0.0005 ton/lb) = tpy of particulate emissions

where:

E = the total annual particulate emissions;
EF = the allowable hourly emission rate or the hourly emission rate from the most recent stack test conducted; and
AHPR = the total actual hours of production for each 12-month period as monitored and recorded in section C.1.b.
Emission Limitation:

1.0 lb/hr of sulfur dioxide

Applicable Compliance Method:

The annual emission rate shall be determined by calculation using the maximum fuel capacity (4.0 mmBtu/hr) multiplied by the emission factor of 0.000588 lb/mmBtu (AP-42, 1.4-2, 7/98):

4.0 mmBtu/hr (0.000588 lb/mmBtu) = 0.00235 lb/hr of sulfur dioxide

F. **Miscellaneous Requirements**

1. Pursuant to OAC rule 3745-35-07(B)(2), all of the terms and conditions in this permit are federally enforceable.