Facility ID: 0125122188 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: 0125122188 Emissions Unit ID: P001 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
batch scales and quality control laboratory	OAC rule 3745-31-05(A)(3)	Particulate emissions shall not exceed 0.02 lb/hr and 0.07 ton/yr. Compliance with this rule also includes compliance with the requirements of OAC rules 3745-17-07 (A)(1)(a).
	OAC rule 3745-17-07(A)(1)(a)	Visible particulate emissions shall not exceed twenty percent opacity, as a six minute average.
	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).

2. **Additional Terms and Conditions**

   (a) The emission unit's 0.02 lb PE/hr and 0.07 ton PE/yr emission limitations are based on the emission unit's potential to emit vented through the dust collection system (baghouse). Therefore, only the monitoring, record keeping or reporting requirements of the control equipment are necessary to ensure compliance with these emission limitations.

B. **Operational Restrictions**

1. The permittee shall operate the dust collection system (baghouse) at all times this emission unit is in operation.

2. The pressure drop across the baghouse shall be maintained within the range of 2 to 4 inches of water while the emissions unit is in operation.

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

1. The permittee shall perform weekly checks, when the emissions unit is in operation, and when weather conditions allow, for any visible particulate emissions (excluding uncombined water vapor) from the fabric filter serving this emissions unit. 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.

2. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

D. **Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the fabric filter serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

2. The permittee shall submit pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

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:
Particulate matter shall not exceed 0.02 lb/hr and 0.07 ton/yr.

Applicable compliance method:
Compliance with the short term emission limitation shall be determined by multiplying the maximum outlet emission rate of the dust collector (0.002 gr/dscf) by the air flow capacity of the dust collection system (970 acfm) by 60 minutes per hour and dividing by 7,000 grains per pound. The annual emission limitation shall be determined by multiplying the hourly emission rate by 8,760 hours per year and dividing by 2,000 pounds per ton.

Emissions:
0.002 gr/dscf*970 cf/min*60 min/hr / 7,000 grains/lb = 0.02 lb PE/hr
0.02 lb/hr * 8,760 hrs/yr / 2,000 lbs/ton = 0.07 ton PE/yr

If required by the Ohio EPA, the permittee shall conduct particulate emission testing for this emissions unit in accordance with the following requirements:

i. The emission testing shall be conducted to demonstrate compliance with the 0.002 gr/dscf.
ii. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate for particulates: 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures in OAC rule 3745-17-03(B). Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
iii. The test shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Central District Office.
Emission limitation:
Visible particulate emissions shall not exceed 20 % opacity, as a six-minute average.

Applicable compliance method:
If required, compliance shall be demonstrated through visible emissions observation performed in accordance with 40 CFR Part 60, Appendix A, Method 9, and the procedures specified in OAC rule 3745-17-03 (B)(1).

F. **Miscellaneous Requirements**

1. None