

Facility ID: 1431070033 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: 1431070033 Emissions Unit ID: P002 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
gas-fired spent grain rotary dryer, with cyclone collection unit	OAC rule 3745-17-07(A)(1)	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(B)(1)	7.58 lbs of particulate emissions (PE)/hour

2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

1. The average temperature of the exhaust gases from the rotary dryer when operating, for any 3-hour block of time, shall not be greater than 800 degrees Fahrenheit.
2. The permittee shall continue to operate and maintain the odor control system in accordance with the Findings and Orders issued by the City of Cincinnati on October 6, 1995, so as to minimize the emission of objectionable odors.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature of the exhaust gases from the rotary dryer when the emissions unit is in operation. Units shall be recorded in degrees Fahrenheit. The accuracy for each thermocouple, monitor, and recorder shall be guaranteed by the manufacturer to be within plus/minus 1 percent of the temperature being measured or plus/minus 5 degrees Fahrenheit, whichever is greater. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
2. The permittee shall collect and record the following information each day for this emissions unit:
 - a. the average temperature of the exhaust gases from the rotary dryer during each of the eight, 3-hour blocks of time during the day; and
 - b. a log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.
3. The permittee shall perform weekly inspections, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from this emissions unit. The presence or absence of any visible PE shall be noted in an operations log. If visible PE are observed, the permittee shall also note the following in the operations log:
 - a. the location and color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any abnormal visible emission incident; and
 - e. any corrective actions taken to eliminate the abnormal visible emissions.

D. Reporting Requirements

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the average temperature restriction for the exhaust gas, as specified in Section B.1, has

been exceeded. A copy of such record shall be sent to the Hamilton County Department of Environmental Services within 45 days of the exceedance. Included in the report shall be an explanation for the exceedance and the corrective action that has or will be taken to prevent a similar exceedance in the future.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any abnormal visible PE were observed from the emissions unit and (b) describe any corrective actions taken to eliminate the abnormal visible PE. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. Testing Requirements

1. Compliance with the visible PE limitation and the hourly PE limitation specified in Section A.1 shall be determined by the following methods:

- a. Visible PE Limitation: not to exceed 20% opacity, as a six-minute average, except as specified by rule

Applicable Compliance Method: Compliance with the visible PE limitation shall be determined in accordance with Method 9 of 40 CFR, Part 60, Appendix A, as specified in OAC rule 3745-17-03(B)(1).

- b. PE Limitation: 7.58 lbs of PE/hour

Applicable Compliance Method: The hourly PE limitation was established by multiplying the maximum wet grain throughput (in tons per hour) by an emission factor of 0.89 lb/ton of grain processed. The 0.89 lb/ton of grain processed emission factor was determined by the results of the stack test conducted on 2/13/96.

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR, Part 60, Appendix A, Method 5, as specified in OAC rule 3745-17-03(B)(10).

- c. Exhaust Gas Temperature Restriction: The average temperature of the exhaust gases from the rotary dryer when operating, for any 3-hour block of time, shall not be greater than 800 degrees Fahrenheit.

Applicable Compliance Method: Compliance with the exhaust gas temperature restriction shall be determined by the monitoring and record keeping requirements specified in Sections C.1 and C.2.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted six months prior to the expiration of this permit.

- b. The emission testing shall be conducted to demonstrate compliance with the hourly PE limitation.

c. The following test method shall be employed to demonstrate compliance with the hourly PE limitation: Method 5, of 40 CFR, Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Hamilton County Department of Environmental Services.

- d. The test shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time (s) and date(s) of the test, and the person(s) who will be conducting the test. Failure to submit such notification for review and approval prior to the test may result in the Hamilton County Department of Environmental Services' refusal to accept the results of the emission test.

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test shall be signed by the person or persons responsible for the test and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

F. Miscellaneous Requirements

1. If probable cause exists indicating this emissions unit is causing or contributing to a nuisance in violation of OAC rule 3745-15-07, the permittee shall be required to submit and implement a control program that will bring this emissions unit into compliance.