

Facility ID: 0812740485 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: 0812740485 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Wood-fired manure product (for organic fertilizer production) and corn gluten dryer (P001) served by a negative-pressure cyclone and a wet scrubber.	PTI #08-3209	13.0 lbs/hr, 23.4 TPY Particulate Matter; 52.52 lbs/hr, 94.5 TPY CO; 0.63 lb/hr, 1.13 TPY SO ₂ ; 7.14 lbs/hr, 12.85 TPY VOC; and 0.67 lb/hr, 0.96 TPY NO _x .

5% opacity visible emissions from scrubber exhaust

2. **Additional Terms and Conditions**
 - (a) The maximum hourly allowable emission rates for SO₂ of 0.63 lb, VOC of 7.14 lbs, and NO_x of 0.67 lb were established for PTI purposes to reflect the potential to emit for the emissions unit. Therefore, it is not necessary to develop record keeping and reporting requirements to ensure compliance with these limits.

B. Operational Restrictions

1. The maximum production rate for this facility shall not exceed 15,120 tons per year.
2. The maximum annual operating hours for this emissions unit shall not exceed 3600.
3. The pressure drop across the scrubber shall be continuously maintained at not less than 3 inches of water while the emissions unit is in operation.
4. The scrubber water supply pressure shall be continuously maintained at a setting of not less than 40 pounds per square inch (gauge) while the emissions unit is in operation.
5. Only clean dry wood shall be burned in this operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day:
 - a. The pressure drop across the scrubber, in inches of water, on an every other hour basis.
 - b. The water pump pressure, in psig, on an every other hour basis.
 - c. The hours of operation.
2. The permittee shall maintain monthly records of the quantity of organic fertilizer and corn gluten shipped off site. (These records shall be used to determine compliance with the maximum production rate specified in B.1.)

D. Reporting Requirements

1. The permittee shall submit annual reports which identify any exceedances of the maximum production rate limitation and operating hours limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
2. The permittee shall submit quarterly reports which identify any deviations of the allowable pressure drop across the scrubber and the water pump pressure setting, as well as the corrective actions that were taken to achieve

compliance.

E. Testing Requirements

1. Compliance Methods

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

Emission Limitation -
13.0 lbs/hr particulate

Applicable Compliance Method -
Compliance shall be based on stack testing per OAC rule 3745-17-03(B)(10).

Emission Limitation -
23.4 TPY Particulate

Applicable Compliance Method -
Compliance shall be determined by multiplying the average hourly emission rate in lbs/hr from the most recent compliance test by the total annual operating hours, and dividing by 2,000. Until additional emission tests are conducted, the average hourly emission rate of 13 lbs/hr shall be used in this calculation.

Emission Limitation -
52.52 lbs/hour CO

Applicable Compliance Method -
Compliance shall be based on stack testing per USEPA Method 10B, 40 CFR Part 60, Appendix A.

Emission Limitation -
94.5 TPY CO

Applicable Compliance Method -
Compliance shall be determined by multiplying the average hourly emission rate in lbs/hr from the most recent compliance test by the total annual operating hours, and dividing by 2,000. Until additional emission tests are conducted, the average hourly emission rate of 52.52 lbs/hr shall be used in this calculation.

Emission Limitation -
0.63 lb/hr SO₂

Applicable Compliance Method -
Compliance shall be determined by multiplying the AP-42 emission factor for wood burning times the maximum wood burning capacity of the emissions unit.

Emission Limitation -
1.13 TPY SO₂

Applicable Compliance Method -
Compliance shall be determined by multiplying the maximum hourly emission rate by the actual, annual operating hours for the emissions unit, and dividing by 2,000.

Emission Limitation -
7.14 lbs/hr VOC

Applicable Compliance Method -
Compliance shall be determined by multiplying the AP-42 emission factor for wood burning times the maximum wood burning capacity of the emissions unit.

Emission Limitation -
12.85 TPY VOC

Applicable Compliance Method -
Compliance shall be determined by multiplying the maximum hourly emission rate by the actual, annual operating hours for the emissions unit, and dividing by 2,000

Emission Limitation -
0.67 lb/hr NO_x

Applicable Compliance Method -
Compliance shall be determined by multiplying the AP-42 emission factor for wood burning times the maximum wood burning capacity of the emissions unit.

Emission Limitation -
0.96 TPY NO_x

Applicable Compliance Method -
Compliance shall be determined by multiplying the maximum hourly emission rate by the actual, annual operating hours for the emissions unit, and dividing by 2,000

2. Emission Testing Requirements

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

1. The emission testing shall be conducted within 6 months prior to permit renewal.
2. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for particulate and carbon monoxide.
3. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for PM, Method 5 of 40 CFR Part 60 Appendix A; for CO, Method 10B of 40 CFR Part 60, Appendix A; for opacity, Method 9 of 40 CFR Part 60, Appendix A.

4. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), 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(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

F. **Miscellaneous Requirements**

1. The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source are subject to public disclosure in accordance with OAC rule 3745-49-03.