

Facility ID: 1409030403 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: 1409030403 Emissions Unit ID: B002 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>
17.8 MMBtu/hr Wood-Fired Heat Exchanger w/ Multiclone	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity as a six-minute average except as specified by rule
	OAC rule 3745-17-10	0.28 lb PM/MMBtu actual heat input.
	OAC rule 3745-35-07	6.6 lbs CO/ton of wood waste burned; 39.1 TPY as a rolling, 12-month summation

2. **Additional Terms and Conditions**  
None

**B. Operational Restrictions**

1. The maximum annual wood usage rate for this emissions unit shall not exceed 11,800 tons, based upon a 12-month summation.  
  
Compliance with the annual usage rate limitation shall be based upon a rolling, 12-month summation of the wood usage.

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

1. Each month, the permittee record the rolling 12-month summation of the wood used.
2. 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 stack 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. 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 visible emission incident; and
  - e. any corrective actions taken to eliminate the visible emissions.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month wood usage limitation.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. 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.
3. The permittee shall submit annual reports of the CO emissions (TPY) from this emissions unit and the entire facility for the preceding calendar year. These reports shall include the calculations and shall be submitted to the Hamilton County Department of Environmental Services by January 31 of each year.

**E. Testing Requirements**

1. Compliance with OAC 3745-17-07(A) shall be determined in accordance with the methods outlined in OAC 3745-

17-03(B)(1).

2. The permittee shall conduct, or have conducted, emission testing to demonstrate compliance with the particulate and carbon monoxide limitations approximately 3 months from the issuance of this permit and within six months prior to the expiration of this permit.
3. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate (s): Method 5 and Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
4. Since this emissions unit is controlled by multiclones, three tests shall be conducted while operating at normal operating conditions.

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(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 Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services 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 Hamilton County Department of Environmental Services within 30 days following completion of the test(s). 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.

5. Compliance with the operational restriction in term B. shall be determined by the record keeping in term C.
  6. Compliance with the CO TPY limitation shall be determined by multiplying the results of the stack test by the rolling, 12- month tonnage of wood utilized in this emissions unit, and dividing by 2000 (i.e., lbs CO per ton wood \* tons of wood per year / 2000).
- F. **Miscellaneous Requirements**
1. Pursuant to OAC 3745-35-07, the following terms and conditions of this permit to operate are federally enforceable requirements: A-F.