

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: B003 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>
13.7 MMBtu/hr Wood-Fired Heat Exchanger w/ Multiclone	OAC rule 3745-31-05 (PTI 14-4276)	Visible particulate emissions shall not exceed 10 percent opacity as a six-minute average, except as specified by rule.
	40 CFR, Part 60, Subpart Dc	0.24 lb PM/MMBtu actual heat input; 12.5 TPY
	OAC rule 3745-17-07(A)	0.087 lb PM10/MMBtu; 4.5 TPY
	OAC rule 3745-17-10	0.51 lb SO2/MMBtu actual heat input; 0.63 TPY
	OAC rule 3745-18-15	0.14 lb NOx/MMBtu actual heat input; 2.6 TPY
		0.029 lb VOC/MMBtu actual heat input; 1.04 TPY
		0.456 lb CO/MMBtu actual heat input; 23.7 TPY
		None
		Less stringent than visible emissions limit in OAC rule 3745-31-05
		Same as PM lb/MMBtu limitation outlined in OAC rule 3745-31-05
		Less stringent than SO2 limitation outlined in OAC 3745-31-05

**2. Additional Terms and Conditions**

None

**B. Operational Restrictions**

1. The maximum annual wood waste usage rate shall not exceed 10,000 tons based upon a rolling, 12-month summation.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the wood waste usage limitations specified in the following table:

Maximum Allowable Month Cumulative Usage (Tons)

- 1-1 5000
- 1-2 5000
- 1-3 5000
- 1-4 5000
- 1-5 5000
- 1-6 5000
- 1-7 5833
- 1-8 6667
- 1-9 7500
- 1-10 8333
- 1-11 9167
- 1-12 10000

After the first 12 calendar months of operation following the issuance of this permit, 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. The permittee shall maintain monthly records of the wood usage rate.
2. The permittee, beginning after the first 12 calendar months of operation following the issuance of this permit, shall record the rolling, 12-month summation of the wood waste usage rates.
3. The permittee, during the first 12 calendar months of operation following the issuance of this permit, shall record the cumulative rate of wood waste usage for each calendar month.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month wood waste usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative wood waste usage levels.

**E. Testing Requirements**

1. Compliance with OAC rule 3745-17-07(A) shall be determined in accordance with the methods outlined in OAC rule 3745-17-03(B)(1).
2. Compliance with the operational restriction in term B.1. shall be determined by record keeping in term C.1.
3. 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 within 2.5 years from the issuance of this permit.
  - b. The emission testing shall be conducted to demonstrate compliance with the mass emission rate of 0.24 lb PM/MMBTU of actual heat input.
  - c. The following test method shall be employed to demonstrate compliance with the allowable mass emission rate: Method 5, 40 CFR, Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. Since this emissions unit is controlled by a multiclone, the three test runs 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.

**F. Miscellaneous Requirements**

None