

Facility ID: 0238000140 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: 0238000140 Emissions Unit ID: B001 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>
8 MMBtu wood fired stoker boiler controlled by a multiclone. Modified	OAC rule 3745-31-05(A)(3) (PTI 02-05915 Modified 11/10/2003)	See A.2.a and A.2.b below.
	OAC rule 3745-17-10(C)(2)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A). The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	See A.2 c below.

2. **Additional Terms and Conditions**
  - (a) Particulate emissions (PE) shall not exceed 0.3 lb/MMBTu, 2.4 lbs per hour and 10.5 tons per year.  
Oxides of nitrogen (NOx) shall not exceed 0.49 lb/MMBTu, 3.9 lbs per hour and 17.1 tons per year.  
Visible emissions from the stack shall not exceed 20% opacity as a six-minute average except as provided by rule

**B. Operational Restrictions**

1. The boiler emissions shall be controlled by the multiclone and baghouse at all times the boiler is in operation.

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

1. The permittee shall maintain a control device operation and maintenance log that includes the following information:
  - a. all times the control devices are not operating while the emissions unit is in operation; and
  - b. the date and results of all maintenance checks for the control devices.
2. The permittee shall maintain a daily boiler operations log that clearly documents the date, beginning time and ending time for each of the following:
  - a. the start-up of the boiler;
  - b. the shutdown of the boiler;
  - c. each malfunction of the boiler and/or its associated control equipment;
  - d. the intermittent soot-blowing operations (the cleaning of heat transfer surfaces with pressurized air or steam);
  - e. the intermittent ash removal operations (dumping or pulling of ash); and
  - f. the commencement of increased fuel firing from a banked condition.

**D. Reporting Requirements**

1. None

**E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1 and A.2 of these terms and conditions shall be

determined in accordance with the following method(s):

Emission Limitation:  
20% opacity, except as provided by rule

Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

Emission Limitation:  
Particulate emissions shall not exceed 0.3 pounds PE per MMBtu of heat input and 10.5 tons per year.

Applicable Compliance Method:  
If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(10) (Method 5, 40 CFR 60, Appendix A).

Compliance with the annual limitation may be based upon 0.30 pounds PE per million BTU, the emissions factor for a dry wood boiler with a mechanical collector, AP-42 Table 1.6-1 (9/03), times the actual heat input rate of the boiler (8.0 MMBtu/hr) times the annual hours of operation (maximum of 8760 hours) divided by 2000 pounds per ton.

Emission Limitation:  
NOx emissions shall not exceed 0.49 pounds per MMBtu, 3.9 pounds per hour and 17.1 tons per year.

Applicable Compliance Method:  
Compliance when burning wood waste may be based on the 0.49 lb/MMBtu emission factor from AP-42, table 1.6-2 (9/03), or most recent version, and the heat input rating of the boiler, 8.0 MMBtu/hr.

Compliance with the annual limitation may be based upon the pounds NOx per hour determined with the factors listed above times the annual hours of operation (maximum of 8760 hours) divided by 2000 pounds per ton.

**F. Miscellaneous Requirements**

1. None