

Facility ID: 0653000062 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: 0653000062 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>
B001 - 9.94 million Btu/hr Wood Fired Boiler with Multiclone	OAC rule 3745-31-05(A)(3) (PTI 06-07893)	Particulate emissions (PE) shall not exceed 0.32 pound per million Btu of actual heat input; 13.9 tons per year.
		Sulfur Dioxide (SO2) emissions shall not exceed 0.25 pounds per hour; 1.1 ton per year.
		Volatile Organic Compound (VOC) emissions shall not exceed 0.17 pound per hour; 0.7 ton per year.
		Nitrogen Oxide (NOx) emissions shall not exceed 4.87 pounds per hour; 21.3 tons per year.
		Carbon monoxide (CO) emissions shall not exceed 5.96 pounds per hour; 26.1 tons per year.
	OAC 3745-17-07(A)(1)	The requirements of this rule also include compliance with OAC rule 3745-17-07(A)(1). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(C)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

1. The maximum heat input to this emissions unit shall not exceed 9.94 million Btu per hour, the maximum rated capacity of this boiler.
2. The fuel used to fire this boiler shall be restricted to saw dust only.

C. Monitoring and/or Record Keeping Requirements

1. 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 minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- 2. For each day during which the permittee burns a fuel other than saw dust, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

- 1. The permittee shall submit semiannual written reports that (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 minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Ohio EPA, Southeast District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.
- 2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than saw dust was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

E. Testing Requirements

- 1. Compliance with the emission limitations in sections A.1 of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

If required, visible particulate emissions shall be determined according to test Method 9 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources" as such appendix existed on July 1, 2002.

Emission Limitation:

Particulate emissions shall not exceed 0.32 pound per million Btu; 13.9 tons per year.

Applicable Compliance Method:

Compliance with the 0.32 pound per million Btu particulate emissions limitation may be demonstrated by the use of AP-42, Chapter 1.6, Table 1.6-1 (9/03) particulate emission factors (0.30 lb/million Btu for dry wood and 0.22 lb/million Btu for wet wood), multiplied by the maximum hourly fuel burning capacity of the emissions unit (9.94 million Btu/hr), provided by the permittee.

The TPY emission limitation was developed by multiplying the allowable particulate emission limitation (0.32 lb/million btu) by the maximum hourly gas burning capacity of the emissions unit (9.94 million btu/hr), and by the maximum annual hours of operation (8,760 hours), and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

If required, particulate emissions shall be determined according to test Methods 1 - 5, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

Emission Limitation:

SO2 emissions shall not exceed 0.25 pound per hour; 1.1 tons per year.

Applicable Compliance Method:

Compliance with the 0.25 lb/hour SO2 emission limitation may be demonstrated by the use of AP-42, Chapter 1.6, Table 1.6-2 (9/03) SO2 emission factor (0.025 lb/million Btu), multiplied by the maximum hourly fuel burning capacity of the emissions unit (9.94 million Btu/hr), provided by the permittee.

The TPY emission limitation was developed by multiplying the allowable SO2 limitation (0.25 lb/hour) by the maximum annual hours of operation (8,760 hours), and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance shall also be shown with the annual emission limitation.

If required, sulfur dioxide emissions shall be determined according to test Methods 1 - 4, and 6 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

Emission Limitation:

VOC emissions shall not exceed 0.17 pound per hour; 0.7 ton per year.

Applicable Compliance Method:

Compliance with the 0.17 lb/hour VOC emission limitation may be demonstrated by the use of AP-42, Chapter

- 1.6, Table 1.6-3 (9/03) VOC emission factor (0.017 lb/million Btu), multiplied by the maximum hourly fuel burning capacity of the emissions unit (9.94 million Btu/hr), provided by the permittee.

The TPY emission limitation was developed by multiplying the allowable VOC limitation (0.17 lb/hour) by the maximum annual hours of operation (8,760 hours), and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance shall also be shown with the annual emission limitation.

If required, volatile organic compound emissions shall be determined according to test Methods 1 - 4, and 18, 25, or 25A as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

Emission Limitation:

NOx shall not exceed 4.87 pounds per hour; 21.3 tons per year.

Applicable Compliance Method:

Compliance with the 4.87 lbs/hour NOx emission limitation may be demonstrated by the use of AP-42, Chapter 1.6, Table 1.6-2 (9/03) NOx emission factor (0.49 lb/million Btu), multiplied by the maximum hourly fuel burning capacity of the emissions unit (9.94 million Btu/hr), provided by the permittee.

The TPY emission limitation was developed by multiplying the allowable NOx limitation (4.87 lbs/ hour) by the maximum annual hours of operation (8,760 hours), and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance shall also be shown with the annual emission limitation.

If required, nitrogen oxides emissions shall be determined according to test Methods 1 - 4, and 7 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

Emission Limitation:

CO emissions shall not exceed 5.96 pounds per hour; 26.1 tons per year.

Applicable Compliance Method:

Compliance with the 5.96 lbs/hour CO emission limitation may be demonstrated by the use of AP-42, Chapter 1.6, Table 1.6-2 (9/03) CO emission factor (0.60 lb/million Btu), multiplied by the maximum hourly fuel burning capacity of the emissions unit (9.94 million Btu/hr), provided by the permittee.

The TPY emission limitation was developed by multiplying the allowable CO limitation (5.96 lbs/hour) by the maximum annual hours of operation (8,760 hours), and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance shall also be shown with the annual emission limitation.

If required, carbon monoxide emissions shall be determined according to test Methods 1 - 4, and 10 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

F. Miscellaneous Requirements

1. None