

Facility ID: 0666010066 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: 0666010066 Emissions Unit ID: P901 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>
P901 - Peterson 565 Hp Diesel Powered Wood Grinder	OAC rule 3745-31-05(A)(3) PTI # 06-08014 Issued Final on 2/16/2006	3.22 TPY of particulate emissions (PE) Visible emissions of fugitive dust from this emissions unit shall not exceed 10% opacity, as a three-minute average. See Section A.2.a. See Section A.2.d.
Diesel engine	OAC rule 3745-17-07(B)(4) OAC rule 3745-17-08(B) OAC rule 3745-31-05(A)(3)	Emissions shall not exceed: 1.30 TPY of PE; 1.19 lbs/hr and 1.37 TPY of sulfur dioxide (SO2); 17.52 lbs/hr and 20.15 TPY of nitrogen oxides (NOx); 1.41 lbs/hr and 1.62 TPY of volatile organic compounds (VOC); and 3.79 lbs/hr and 4.36 TPY of carbon monoxide (CO). The requirements of this rule also include compliance with the requirements of OAC rules 3745-35-07(B), 3745-17-11(B)(5)(b) and 3745-17-07(A). Emissions shall not exceed 0.062 lb PE/million Btu of actual heat input. Visible particulate emissions from the exhaust stack shall not exceed 20% opacity as a six-minute average, except as provided by rule. Exempt. See Section A.2.b. See Section A.2.c.

2. Additional Terms and Conditions

- (a) The permittee shall only process wood waste with a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust. This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B). The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3). This emissions unit is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(4) and 3745-17-08(B) do not apply to this fugitive emissions unit.

B. Operational Restrictions

1. Annual operating hours for this emissions unit shall not exceed 2,300 hours per year.
 2. The permittee shall only burn No. 2 or diesel fuel, containing less than 0.5% sulfur by weight, in this emissions unit.
- 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 fugitive particulate emissions. The presence or absence of any visible fugitive 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 location and 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. The permittee shall maintain records of the total operating hours for each month.
 3. The permittee shall maintain documentation on the sulfur content of all fuels received.
 4. For each day during which the permittee burns a fuel other than sulfur No. 2 or diesel fuel, 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 fugitive particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions. These reports shall be submitted to the Director (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 a deviation report identifying any exceedance of the annual operating hours restriction. The report shall be submitted within 30 days after the exceedance occurs.
 3. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than sulfur No. 2 or diesel fuel was burned in this emissions unit. The report shall be submitted within 30 days after the exceedance occurs.
- E. Testing Requirements**
1. Compliance with the emissions limitations specified in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

Emissions Limitation:
3.22 TPY of PE

Applicable Compliance Method:
Compliance with the annual PE limitation shall be determined using the emission factor (0.35 lb of PE/ton) in Ohio EPA's guidance document entitled "Reasonably Available Control Measures, Table 2.17.1" the 40 tons/hr maximum rated capacity of this emissions unit, 80% control efficiency, and maximum operating hours of 2,300 hours/yr.

Emissions Limitation:
Visible emissions of fugitive dust from this emissions unit shall not exceed 10 % opacity, as a three-minute average.

Applicable Compliance Method:
If required, compliance with the above visible emission limitation shall be determined using Method 9 of 40 CFR, Part 60, Appendix A, with the modification listed in OAC rule 3745-17-03(B)(3)(a).

Emissions Limitation:
1.30 TPY of PE

Applicable Compliance Method:
Compliance with the tons per year emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.002 lb/Hp-hr) by the maximum rated capacity of P901 (565 Hp) and the actual annual hours of operation.

Emissions Limitation:
1.19 lbs/hr and 1.37 TPY of SO₂

Applicable Compliance Method:
Compliance with the lbs/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.0042 lb/HP-hr) by the maximum allowable sulfur content (0.5%) and the maximum rated capacity of P901 (565 HP). Compliance with the tons per year emission limitation is demonstrated by multiplying the actual annual hours of operation by the lbs/hr emission limitation.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with

the methods and procedures specified in Methods 1-4 and 6 of 40 CFR Part 60, Appendix A.

Emissions Limitation:
17.52 lbs/hr and 20.15 TPY of NO_x

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.031 lb/Hp-hr) by the maximum rated capacity of P901 (565 Hp). Compliance with the tons per year emission limitation is demonstrated by multiplying the actual annual hours of operation by the lbs/hr emission limitation.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with the methods and procedures specified in Methods 1-4 and 7 of 40 CFR Part 60, Appendix A.

Emissions Limitation:
1.41 lbs/hr and 1.62 TPY of VOC

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.0025 lb/Hp-hr) by the maximum rated capacity of P901 (565 Hp). Compliance with the tons per year emission limitation is demonstrated by multiplying the actual annual hours of operation by the lbs/hr emission limitation.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with the methods and procedures specified in Methods 1-4 and 25A of 40 CFR Part 60, Appendix A.

Emissions Limitation:
3.79 lbs/hr and 4.36 TPY of CO

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.0067 lb/Hp-hr) by the maximum rated capacity of P901 (565 Hp). Compliance with the tons per year emission limitation is demonstrated by multiplying the actual annual hours of operation by the lbs/hr emission limitation.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with the methods and procedures specified in Methods 1-4 and 10 of 40 CFR Part 60, Appendix A.

Emissions Limitation:
Emissions shall not exceed 0.062 lb PE/million Btu of actual heat input.

Applicable Compliance Method:

Compliance shall be determined based on the emission factor of 0.062 lb/million Btu specified in AP-42, Table 3.4-2, 10/1996.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1-5 of 40 CFR Part 60, Appendix A.

Emissions Limitation:
Visible particulate emissions from the exhaust stack shall not exceed 20% opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 9 of 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

1. None