

Facility ID: 0243011289 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: 0243011289 Emissions Unit ID: P903 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>
portable 525 hp diesel-fueled tub grinder for wood waste	OAC rule 3745-31-05(A)(3) (PTI 02-16453)	The emissions from the exhaust of the diesel-fueled combustion engine shall not exceed any of the following:  5.89 lbs of nitrogen oxides (NOx)/hr 17.20 TPY of NOx  0.39 lb of sulfur dioxide (SO2)/hr 1.14 TPY of SO2  1.27 lbs of carbon monoxide (CO)/hr 3.71 TPY of CO  0.47 lb of organic compounds (OC)/hr 1.37 TPY of OC  1.20 TPY of particulate emissions (PE)  The emissions from grinding shall not exceed the following:  1.05 lbs of PE/hr 3.07 TPY of PE  Visible emissions from any portion of this emissions unit shall not exceed 10 %, as a three-minute average.  The permittee shall only process wood waste with a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust.  See sections A.2.a, A.2.b, and B.1.  The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(5) (a), 3745-17-07(A)(1), 3745-17-07(B)(1), and 3745-17-08(B).
diesel-fueled combustion engine portion of the emissions unit	OAC rule 3745-17-11(B)(5)  OAC rule 3745-17-07(A)(1)  OAC rule 3745-18-06(G)	0.310 lb of PE/mmBtu of actual heat input  The visible emission limitation specified in this rule is less stringent than the one established pursuant to OAC rule 3745-31-05(A)(3).  This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-

		06(B).
	OAC rule 3745-21-07(B)	See section A.2.c.
	OAC rule 3745-21-08(B)	See section A.2.c.
	OAC rule 3745-23-06(B)	See section A.2.c.
wood-waste grinding portion of the emissions unit	OAC rule 3745-17-08(B)	The control measure requirements established in this rule are less stringent than those established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(B)(1)	The visible emission limitation specified in this rule is less stringent than the one established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- (a) In accordance with OAC rule 3745-31-05(A)(3), best available technology for this emissions unit includes the emissions limitations specified above and the fuel restriction specified below. The hourly emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no records are required to demonstrate compliance with these limitations. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) and the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) and 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install (PTI) 02-16453.

B. **Operational Restrictions**

- 1. The operating hours for this emissions unit shall not exceed 16 hours per day.
- 2. The permittee shall only use diesel fuel to power this emissions unit.

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

- 1. The permittee shall maintain daily records of the operating hours for this emissions unit.
- 2. The permittee shall maintain monthly records of the type(s) of fuel burned in this emissions unit.

D. **Reporting Requirements**

- 1. The permittee shall submit deviation (excursion) reports identifying each day during which the operating hours for this emissions unit exceeded 16 hours. Each report shall be submitted within 30 days of the deviation (quarterly deviation reports as described in the General Terms and Conditions of this permit are not required).
- 2. The permittee shall submit deviation (excursion) reports identifying each month during which a fuel other than diesel fuel was burned in this emissions unit. Each report shall be submitted within 30 days of the deviation (quarterly deviation reports as described in the General Terms and Conditions of this permit are not required).

E. **Testing Requirements**

- 1. Compliance with the emission limitations specified in section A.1. and the operational restrictions specified in section B. of these terms and conditions shall be determined in accordance with the following methods:  
Emission Limitations:  
The emissions from the exhaust of the diesel-fueled combustion engine shall not exceed any of the following:

5.89 lbs of NOx/hr  
17.20 TPY of NOx

0.39 lb of SO2/hr  
1.14 TPY of SO2

1.27 lbs of CO/hr  
3.71 TPY of CO

0.47 lb of OC/hr  
1.37 TPY of OC

1.20 TPY of PE

Applicable Compliance Method:

Compliance with the hourly emission limitations shall be determined using the emission factors in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 "Emission Factors for Uncontrolled Gasoline and Diesel Industrial Engines" (10/96) and the 1.336 mmBtu/hr rating of the unit. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission limitation by the maximum annual hours of operation (16 hrs/day x 365 days/yr = 5,840 hours/yr) and dividing by 2,000 lbs/ton.

Emission Limitation:

The emissions from grinding shall not exceed the following:

1.05 lbs of PE/hr  
3.07 TPY of PE

Applicable Compliance Method:

Compliance with the hourly 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" and the 3 tons/hr maximum rated capacity of this emissions unit. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission limitation by the maximum annual hours of operation (16 hrs/day x 365 days/yr = 5,840 hours/yr) and dividing by 2,000 lbs/ton.

Emission Limitation:

Visible emissions from any portion of this emissions unit shall not exceed 10 %, as a three-minute average.

Applicable Compliance Method:

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).

Emission Limitation:  
0.310 lb of PE/mmBtu

Applicable Compliance Method:

Compliance with the above emission limitation shall be determined using the emission factor (0.31 lb/mmBtu) in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 "Emission Factors for Uncontrolled Gasoline and Diesel Industrial Engines" (10/96).

**F. Miscellaneous Requirements**

1. Notice to Relocate a Portable or Mobile Emissions Unit

Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to NEDO and the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and
- d. in NEDO's and the appropriate Ohio EPA District Office's or local air agency's judgement, the proposed site is acceptable under OAC rule 3745-15-07.

2. Notice to Relocate a Portable or Mobile Emissions Unit

Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. the portable emissions unit is operating pursuant to a currently effective PTO;
- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to NEDO and the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and
- d. in NEDO's and the appropriate Ohio EPA District Office's or local air agency's judgement, the proposed site is acceptable under OAC rule 3745-15-07.

3. Any site approvals issued by Ohio EPA, pursuant to F.2. above, shall be valid for no longer than three years and are subject to renewal.

In order for NEDO and the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate," within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with NEDO and the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Upon receipt of the notice, NEDO and/or the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.