Facility ID: 0238000205 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: 0238000205 Emissions Unit ID: P001 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.

| Operations, Property, and/or Equipment | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| 149 HP continuous John Deere non-road diesel engine and generator manufactured 2004 | OAC rule 3745-31-05(A)(3) (PTI 02-22326 Effective 10/24/2006) | Nitrogen dioxides (NOx) shall not exceed 2.19 lbs/hr and 9.59 TPY. |
| | OAC rule 3745-17-11(B)(5)(a) | Particulate emissions(PE) shall not exceed 0.310 lb/mmBtu. |
| | OAC rule 3745-17-07(A)(1) | Visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity, as a six-minute average, except during acceleration. |
| | OAC rule 3745-18-06(G) | This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B). |

2. **Additional Terms and Conditions**

   (a) The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate emissions from this air contaminant source since the calculated annual emission rate of particulate emissions is less than ten tons per year taking into account the federally enforceable rule limit of 0.310 lb per million Btu under OAC rule 3745-17-11(B)(5)(a).
   The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the carbon monoxide, sulfur dioxide, and volatile organic compounds from this air contaminant source since the uncontrolled potentials to emit for these pollutants are less than ten tons per year.

B. **Operational Restrictions**

1. The permittee shall use only diesel fuel/number 2 fuel oil with a maximum sulfur content of 0.5 percent by weight for combustion in this emissions unit.

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

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

2. The permittee shall maintain documentation of the sulfur content of all fuels received.

3. The permittee shall perform weekly 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 weekly 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.

D. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel other than diesel fuel with a maximum sulfur content of 0.5 percent by weight was burned in this emissions unit. Each report shall be submitted within 30 days of the deviation.

   The reports shall include what corrective action was taken and shall be sent to the Director (Ohio EPA Northeast District Office) within 30 days following the exceedance.

2. The permittee shall submit annual 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 the cause of the emissions and any corrective actions taken to minimize or eliminate the visible particulate emissions.

E. **Testing Requirements**

1. Compliance with the emission limitations specified in section A.1. of these terms and conditions shall be determined in accordance with the following methods:
   Emission Limitations:

   Particulate emissions(PE) shall not exceed 0.310 lb/mmBtu.

   Applicable Compliance Methods:

   Compliance with the hourly emission limitation is based upon compliance with the emission limitation specified in OAC rule 3745-17-11(B)(5)(a).
   Emission Limitations:

   Nitrogen dioxides (NOx) shall not exceed 2.19 lbs/hr and 9.59 TPY.

   Applicable Compliance Methods:

   Compliance with the hourly emission limitations above shall be determined by multiplying 0.0147 lb/hp-hr, manufacturer supplied emission factor for NOx, by 149 hp, the continuous power output rating of this unit.

   Compliance with the annual emission limitations shall be termed by multiplying the hourly emission rate determined above by 8760, the maximum hours of operation, and dividing by 2,000 lbs/ton.
   Emission Limitation:
   Visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

   Applicable Compliance Method:
   If required, compliance with the opacity limitation shall be determined using Method 9 of 40 CFR, Part 60, Appendix A
   Emission Limitation:
   0.310 lb/MMBTU of particulate emissions

   Applicable Compliance Method:
   Compliance with the hourly emission limitations above shall be determined by the following equation:

   (0.000198 lb/hp-hr)* (hp-hr/7000 Btu) * (106 Btu/MMBtu)

   where:
   0.000198 g/hp-hr is the manufacturer supplied emission factor.

   If required compliance shall be determined according to OAC rule 3745-17-03(B)(10), (Method 5, 40 CFR 60, Appendix A).

F. **Miscellaneous Requirements**

1. None