Facility ID: 0238000191 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: 0238000191 Emissions Unit ID: B001 Issuance type: Final State Permit To Operate

Go to the top of this document

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
145 HP Cummins 6C8.3 stationary diesel engine and Lima generator	OAC rule 3745-31-05(A)(3) (PTI 02-21374 Effective 10/4/2005)	0.32 lb/hr and 1.40 TPY of particulate emissions (PE)/PM less than 10 microns in diameter (PM-10). 0.30 lb/hr and 1.31 TPY of sulfur dioxide (SO2). Also includes B.1 below. 3.32 lbs/hr and 14.54 TPY of nitrogen dioxides (NOx). 2.07 lbs/hr and 9.07 TPY of carbon monoxide (CO). 0.51 lb/hr and 2.23 TPY of organic compounds (OC). Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity, as a six-minute average. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(a).
	OAC rule 3745-17-11(B)(5)(a)	0.31 lb/mmBtu of particulate emissions.
	OAC rule 3745-17-07(A)(1)	The opacity limitation specified in this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-18-06(G)	See section A.2.b below.

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 and fuel sulfur content restriction.
   This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).

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.

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.

2. 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.

E. **Testing Requirements**

1. Compliance with the emission limitations specified in Sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitations:
0.32 lb/hr and 1.40 TPY of PM/PM-10.

Applicable Compliance Methods:
Compliance with the hourly emission limitation and annual limitation is based upon compliance with the emission limitation specified in OAC rule 3745-17-11(B)(5)(a).
Emission Limitations:
0.30 lb/hr and 1.31 TPY of SO2.

Applicable Compliance Methods:
Compliance with the hourly emission limitations above shall be determined by multiplying 0.00205 lb/hp-hr, the emission factors specified in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 (10/96), by 145 hp, the 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 Limitations:
3.32 lbs/hr and 14.54 TPY of NOx.

Applicable Compliance Methods:
Compliance with the hourly emission limitations above shall be determined by multiplying 0.0229 lb/hp-hr, the emission factor provided by the manufacturer for this model year and engine family, by 145 HP, the 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 Limitations:
2.07 lbs/hr and 9.07 TPY of CO.

Applicable Compliance Methods:
Compliance with the hourly emission limitations above shall be determined by multiplying 0.0143 lb/hp-hr, the emission factor provided by the manufacturer for this model year and engine family, by 145 HP, the 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 Limitations:
0.51 lb/hr and 2.23 TPY of OC.

Applicable Compliance Methods:
Compliance with the hourly emission limitations above shall be determined by multiplying 0.00353 lb/hp-hr, the emission factor provided by the manufacturer for this model year and engine family, by 145 HP, the 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 10% opacity, as a six-minute average.

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:
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