

Facility ID: 0285010472 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: 0285010472 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 - A 105 hp Perkins internal combustion diesel engine. Model number 19512500, YT81080*U722822F*	OAC rule 3745-17-07 (A)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
	OAC rule 3745-17-11 (B)(5)(a)	Permittee shall not cause or permit the particulate emissions from the engine's exhaust to exceed 0.310 pound per million Btu of actual heat input.
	OAC rule 3745-18-06 (G)	Exempt. See section A.2.a of these terms and conditions.
	OAC rule 3745-31-05 (A)(3) PTI No. 02-22891	Emissions generated by operating this emissions unit shall not exceed 3.23 pounds per hour and 14.13 tons per year of nitrogen oxides (NOx); 0.70 pound per hour and 3.07 tons per year of carbon monoxide (CO); 0.26 pound per hour and 1.15 tons per year of organic compounds (OC); 0.21 pound per hour and 0.94 ton per year of sulfur dioxide (SO2); and 1.0 tons per year of particulate emissions.
		Visible particulate emissions from the engine's exhaust 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).

2. **Additional Terms and Conditions**
 - (a) The hourly and annual emission limitations outlined above are based upon the potential to emit of this emissions unit. Therefore, no records are required to be maintained to demonstrate compliance with these limitations.
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. None

C. Monitoring and/or Record Keeping Requirements

1. None

D. Reporting Requirements

1. None

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:
 - a. Emission Limitation: 3.23 lbs/hr of NOX

Applicable Compliance Methods:

Compliance shall be determined by multiplying 0.031 lb/hp-hr, the emission factors specified in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 (10/96), by 105 hp, the power output rating of this unit.

b. Emission Limitation: 0.70 lb/hr of CO

Applicable Compliance Methods:

Compliance shall be determined by multiplying 0.00668 lb/hp-hr, the emission factors specified in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 (10/96), by 105 hp, the power output rating of this unit.

c. Emission Limitation: 0.26 lb/hr of OC

Applicable Compliance Methods:

Compliance shall be determined by multiplying 0.0025 lb/hp-hr, the emission factors specified in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 (10/96), by 105 hp, the power output rating of this unit.

d. Emission Limitation: 0.310 lb/MM Btu heat input

Applicable Compliance Methods:

Compliance shall be determined by multiplying 0.0022 lb/hp-hr, the emission factors specified in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 (10/96), by 106 Btu/MM Btu, and divided by 7000 Btu/hp-hr.

e. Emission Limitation: 0.21 lb/hr of SO₂

Applicable Compliance Method:

Compliance 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 105 hp, the power output rating of this unit.

f. Emission Limitations: 14.13 tons/yr of NO_X

3.07 tons/yr of CO

1.15 tons/yr of OC

0.94 ton/yr of SO₂

Applicable Compliance Methods:

The annual emission limitations specified above were developed by multiplying the hourly emission limitations by 8,760 hours/year and dividing by 2,000 lbs/ton; therefore, compliance with the hourly emission limitations is maintained, compliance with the annual emission limitations will be assumed.

g. Emission Limitation: 1.0 ton/yr of particulate

Applicable Compliance Methods:

The annual emission limitations specified above was developed by multiplying the hourly emission limitations by 8,760 hours/year and the conversion factor of 7,000 Btu/hp-hr, and dividing by 2,000 lbs/ton and conversion factor of MM Btu/106 Btu; therefore, compliance with the short term emission limitation is maintained, compliance with the annual emission limitations will be assumed.

h. Emission Limitation: 10% opacity, as a six-minute average.

Applicable Compliance Method:

Compliance shall be determined by using Method 9 of 40 CFR, Part 60, Appendix A.

F. Miscellaneous Requirements

1. None