

Facility ID: 0247100934 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: 0247100934 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>
Waukesha, 6.45 mmBtu/hr heat input rating, natural gas-fired, internal combustion engine-generator set; Oberlin Engine No. 10 (B001)	OAC rule 3745-31-05(A)(3) (PTI 02-10954)	See sections A.2.a and A.2.b below.
	OAC rule 3745-17-07(A)	Compliance with this rule also includes compliance with OAC rules 3745-17-07(A) and 3745-17-11(B)(5)(b).
	OAC rule 3745-17-11(B)(5)(b)	Visible particulate emissions from any stack serving this emissions unit shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-18-06(G)	Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.
		In accordance with the provisions specified in OAC rules 3745-18-06(A) (firing only natural gas) and 3745-18-06(B) (less than 10 mmBtu/hr heat input capacity), the requirements of this rule are not applicable to this emissions unit.

**2. Additional Terms and Conditions**

- (a) Emissions of nitrogen oxides (NOx) from this emissions unit shall not exceed 23.87 lbs/hr and 24.99 tons/yr.  
Emissions of carbon monoxide (CO) from this emissions unit shall not exceed 3.02 lbs/hr and 3.16 tons/yr.

**B. Operational Restrictions**

1. The permittee shall burn only natural gas in this emissions unit
2. The total annual operating hours for this emissions unit shall not exceed 2094 hours per rolling, 365-day period.

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

1. The permittee shall maintain daily records of the following:
  - a. the date and time of each start-up and shut-down of this emissions unit;
  - b. the total number of hours that this emissions unit is operated;
  - c. the rolling, 365-day summation of the operating hours for this emissions unit;
  - d. the volume of natural gas consumed by this emissions unit; and
  - e. the maximum sustained generator load during each period of operation of this engine-generator set.
2. For each day during which the permittee burns a fuel other than natural gas, 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 notify the the Ohio EPA, Northeast District Office in writing of any record which shows a deviation from the annual restriction on the hours of operation, listed in section B.2. above. The notification shall

include a copy of such record and shall be sent to the Ohio EPA, Northeast District Office within 30 days after the deviation occurs.

2. The permittee shall submit deviation (excursion) reports to the Ohio EPA, Northeast District Office that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall also submit annual reports to the Ohio EPA, Northeast District Office that specify the total NOx and CO emissions for this emissions unit for the previous calendar year. The reports shall be submitted by February 15 of each year.

**E. Testing Requirements**

1. Compliance with the emission limitations in sections A.1 and A.2 of this permit shall be determined in accordance with the following methods:

Emission Limitation:

Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.

Applicable Compliance Method:

Compliance with this emission limitation may be based upon the use of the applicable emission factor as specified in AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, section 3.2, table 3.2-2 (7/00) (0.0384 lb of filterable particulate matter per mmBtu).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

Emission Limitation:

Visible particulate emissions from any stack serving this emissions unit shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation through visible emissions observations performed in accordance with the method and procedures specified in OAC rule 3745-17-03(B)(1).

Emission Limitations:

Emissions of NOx from this emissions unit shall not exceed 23.87 lbs/hr and 24.99 tons/yr.

Applicable Compliance Methods:

Compliance with the hourly emission limitation may be determined by multiplying the applicable emission factor as specified in AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, section 3.2, table 3.2-2 (7/00) (3.17 lbs of NOx per mmBtu) by the emissions unit's maximum rated heat input capacity (6.45 mmBtu/hr).

If required, the permittee shall demonstrate compliance with the hourly emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 or 7E.

The annual emission limitation was established by multiplying the hourly emission limitation (23.87 lbs/hr) by the restricted maximum annual hours of operation (2094 hrs/yr) and dividing by 2000 lbs/ton. Therefore, provided that the permittee complies with the hourly emission limitation and the restricted hours of operation, compliance with the annual emission limitation will also be demonstrated.

Emission Limitations:

Emissions of CO from this emissions unit shall not exceed 3.02 lbs/hr and 3.16 tons/yr.

Applicable Compliance Methods:

Compliance with the hourly emission limitation may be determined by multiplying the applicable emission factor as specified in AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, section 3.2, table 3.2-2 (7/00) (0.386 lb of CO per mmBtu) by the emissions unit's maximum rated heat input capacity (6.45 mmBtu/hr).

If required, the permittee shall demonstrate compliance with the hourly emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

The annual emission limitation was established by multiplying the hourly emission limitation (3.02 lbs/hr) by the restricted maximum annual hours of operation (2094 hrs/yr) and dividing by 2000 lbs/ton. Therefore, provided that the permittee complies with the hourly emission limitation and the restricted hours of operation, compliance with the annual emission limitation will also be demonstrated.

**F. Miscellaneous Requirements**

1. None