

Facility ID: 1431320151 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: 1431320151 Emissions Unit ID: P001 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P001-mmBtu/hr engine driven chiller	OAC rule 3745-31-05(A)(3) (PTI 14-3977)	Sulfur Dioxide (SO2) emissions shall not exceed 0.0005 lb./mmBtu.
		Organic Compound (OC) emissions shall not exceed 1.2 lbs/mmBtu.
		Carbon Monoxide (CO) emissions shall not exceed 0.26 lb/mmBtu.
		Nitrogen Dioxide (NOx) emissions shall not exceed 1.01 lb/mmBtu.
	OAC rule 3745-17-11(B)(5)(a)	The requirements of this rule also include compliance with OAC rules 3745-17-11(B)(5)(a) and 3745-17-07. Particulate Emissions and emissions of particulate material 10 microns and less in diameter (PE/PM10) shall not exceed 0.25 lb/mmBtu.
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

2. **Additional Terms and Conditions**
  - (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a 4-cycle lean burn engine that uses natural gas. The annual mass emission limits are based on the maximum capacity of the emissions unit and the operating hour limit. Therefore, compliance with the operating hour limit constitutes compliance with the annual mass emission limits. The annual mass emission limits are based on the maximum capacity of the emissions unit and the operating hour limit. Therefore, compliance with the operating hour limit constitutes compliance with the annual mass emission limits.

**B. Operational Restrictions**

1. The permittee shall operate and maintain a gas meter on this emissions unit.
2. The maximum annual operating hours for this emissions unit shall not exceed 6000 hours.

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

1. The permittee shall maintain monthly records of the operating hours and fuel usage for this emissions unit.

**D. Reporting Requirements**

1. This facility shall submit semi-annual reports to the Ohio EPA field office which include the total hours of operation and fuel usage (in cubic feet per month) for each source during each calendar month. These semi-annual reports shall be submitted by February 15 and August 15 of each year and shall cover the previous six calendar months (July through December and January through June, respectively).

**E. Testing Requirements**

1. Compliance with the TPY emissions limits in Section A.1 of these terms and conditions shall be determined using emission factors of 0.0005 lb SO<sub>2</sub>/MM Btu (supplied by the engine manufacturer CG&E), 1.3 lbs OC/MM Btu, 0.26 lb CO/MM Btu, 1.01 lbs NO<sub>x</sub>/MM Btu, and 0.25 lb PM/MM Btu (from AP-42 section 3.2) and the annual gas usage in mm Btu.
2. Compliance with visible emissions limit shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.

F. **Miscellaneous Requirements**

None