

Facility ID: 1576001910 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: 1576001910 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P001 - 330 HP natural gas-fired 4-cycle rich-burn compressor engine with catalytic converter Caterpillar Engine G379NA	OAC rule 3745-31-05(A)(3) PTI 15-01498	The nitrogen oxide (NOx) emissions from the stack shall not exceed 1.54 lbs/hour and 6.75 tons/yr.
		The carbon monoxide (CO) emissions from the stack shall not exceed 1.54 lbs/hour and 6.75 tons/yr.
		The organic compound (OC) emissions from the stack shall not exceed 0.78 lb/hour and 3.42 tons/yr.
		The particulate emissions from the stack shall not exceed 0.1 lb/mmBtu, 0.296 lb/hr and 1.3 tons/yr.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-11(B)(5)(a)	See sections A.2.a and B.1 below. 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 3745-18-06(G)	This emissions unit is exempt by OAC rule 3745-18-06(B) because it has a rated heat input capacity of less than 10 mmBtu/hr.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

2. **Additional Terms and Conditions**
  - (a) The permittee shall burn only natural gas in this emissions unit.

**B. Operational Restrictions**

1. The permittee shall operate the catalytic converter whenever this emissions unit is in operation.

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

1. 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 submit deviation (excursion) reports 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.

**E. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I. of these terms and conditions shall be determined in accordance with the following methods(s):  
Emissions Limitation:  
The nitrogen oxide (NOx) emissions from the stack shall not exceed 1.54 lbs/hour and 6.75 tons/yr.

**Applicable Compliance Method:**

Compliance with the 1.54 lbs/hour NOx emissions limitation shall be demonstrated by the use of manufacturer's test data for a similar source or most recent emissions testing data. The annual emissions limitation shall be determined by multiplying the test data lb/hour emissions by the actual hours of operation per year of the emissions unit divided by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Canton LAA.

**Emissions Limitation:**

The carbon monoxide (CO) emissions from the stack shall not exceed 1.54 lbs/hour and 6.75 tons/yr.

**Applicable Compliance Method:**

Compliance with the 1.54 lbs/hour CO emissions limitation shall be demonstrated by the use of manufacturer's test data for a similar source or most recent emissions testing data. The annual emissions limitation shall be determined by multiplying the test data lb/hour emissions by the actual hours of operation per year of the emissions unit divided by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Canton LAA.

**Emissions Limitation:**

The organic compound (OC) emissions from the stack shall not exceed 0.78 lb/hour and 3.42 tons/yr.

**Applicable Compliance Method:**

Compliance with the 0.78 lb/hour OC emissions limitation shall be demonstrated by the use of manufacturer's test data for a similar source or most recent emissions testing data. The annual emissions limitation shall be determined by multiplying the test data lb/hour emissions by the actual hours of operation per year of the emissions unit divided by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Canton LAA.

**Emissions Limitation:**

The organic compound (OC) emissions from the stack shall not exceed 0.78 lb/hour and 3.42 tons/yr.

**Applicable Compliance Method:**

Compliance with the 0.78 lb/hour OC emissions limitation shall be demonstrated by the use of manufacturer's test data for a similar source or most recent emissions testing data. The annual emissions limitation shall be determined by multiplying the test data lb/hour emissions by the actual hours of operation per year of the emissions unit divided by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Canton LAA.

**Emissions Limitation:**

The particulate emissions from the stack shall not exceed 0.1 lb/mmBtu, 0.296 lb/hr and 1.3 tons/yr.

**Applicable Compliance Method:**

Compliance with the particulate matter emission limit of 0.1 lb/mmBTU of actual heat input is demonstrated by the use of the AP-42, Table 3.2-3 (7/00) emission factor for Natural Gas Fired Pipeline Compressor Engines (0.0095 lb of particulate matter/mmBTU of actual heat input). Emission tests also may be required in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03. No emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04 (A).

**F. Miscellaneous Requirements**

1. None