

Facility ID: 1667000071 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: 1667000071 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>
Natural gas-fired small-bore 4-cycle internal combustion engine (maximum rated heat input 0.21 mmBtu/hr) driving a natural gas compressor	OAC rule 3745-31-05 (PTI 16-1913)	0.67 lb/hr of nitrogen oxides (NOx) 2.9 tpy of NOx
		0.27 lb/hr of organic compounds (OC) 1.2 tpy of OC 0.3 tpy of particulate emissions (PE)
	OAC rule 3745-17-11	1% opacity from the stack, as a 6-minute average 0.310 pound of particulates per million Btu of actual heat input
	OAC rule 3745-17-07	The visible particulate emission limitation based on this applicable rule is less stringent than the visible particulate emission limitation established pursuant to the best available technology requirement in OAC rule 3745-31-05.

2. Additional Terms and Conditions

- (a) Based on the AP-42, 5th edition, Table 3.2-2 (10/96), emission factor of 0.046 pound of particulates per million Btu of actual heat input, potential particulate emissions will always be less than the particulate mass emission limits established in this permit. Therefore, no record keeping, deviation reporting, or methods of compliance demonstration are required with these limits.
The hourly and annual nitrogen oxides emission limits are based on the emissions unit's potential to emit (using the AP-42, 5th edition, Table 3.2-1(10/96), SCC 2-02-002-54 emission factor of 3.2 pounds of nitrogen oxides per million Btu fuel input). Therefore, no record keeping, deviation reporting, or methods of compliance demonstration are required with these limits.
The hourly and annual total OC emission limits are based on the emissions unit's potential to emit (using the AP-42, 5th edition, Table 3.2-1 (10/96), SCC 2-02-002-54 emission factor of 1.3 pounds of total OC per million Btu fuel input). Therefore, no record keeping, deviation reporting, or methods of compliance demonstration are required with these limits.

B. Operational Restrictions

1. The permittee shall burn only natural gas as fuel in this emissions unit.

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 limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitations:

0.67 lb/hr and 2.9 tpy of NOx

Applicable Compliance Method:

Compliance with the hourly allowable NOx emission limitation above shall be demonstrated by multiplying 3.2 pounds of NOx per million Btu heat input [AP-42 emission factor] by 0.21 million Btu per hour heat input [maximum rated capacity].

The annual allowable NOx limitation above was determined by multiplying the hourly allowable NOx limitation by 8760 hours per year, and then dividing by 2000 pounds per ton. Therefore, as long as compliance with the hourly allowable emission limitation is maintained, compliance with the annual allowable emission limitation shall be assumed.

Emission Limitations:

0.27 lb/hr and 1.2 tpy of OC

Applicable Compliance Method:

Compliance with the hourly allowable OC emission limitation above shall be demonstrated by multiplying 1.3 pounds of total OC per million Btu heat input [AP-42 emission factor] by 0.21 million Btu per hr heat input [maximum rated capacity].

The annual allowable OC limitation above was determined by multiplying the hourly allowable OC limitation by 8760 hours per year, and then dividing by 2000 pounds per ton. Therefore, as long as compliance with the hourly allowable emission limitation is maintained, compliance with the annual allowable emission limitation shall be assumed.

Emission Limitation:

0.310 pound of particulates per million Btu of actual heat input

Applicable Compliance Method:

Compliance with the particulate emissions limitation shall be demonstrated by using the AP-42 emission factor of 0.046 pound of particulates per million Btu of actual heat input.

Emission Limitation:

0.3 tpy of PE

Applicable Compliance Method:

Compliance with the annual allowable PE limitation above shall be demonstrated by multiplying the potential PE of 0.0097 pound per hour by 8760 hours per year and, then dividing by 2000 pounds per ton).

Emission Limitation:

1% opacity, as a 6-minute average

Applicable Compliance Method:

Compliance with the visible particulate emission limitation shall be determined in accordance with the test method and procedures specified in OAC rule 3745-17-07(B)(1).

F. **Miscellaneous Requirements**

1. None