

Facility ID: 1677000235 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: 1677000235 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, stationary small internal combustion engine (maximum rated heat input 0.125 million Btu/hr) driving a natural gas compressor	OAC rule 3745-31-05(A)(3) (PTI 16-1806)	0.3 lb/hr & 1.3 tpy of nitrogen oxides (NOx) 0.2 lb/hr & 0.9 tpy of carbon monoxide (CO)
	OAC rule 3745-17-11 OAC rule 3745-17-07	Visible particulate emissions (PE) from the stack shall not exceed 1% opacity as a 3-minute average 0.310 lb PE/mmBtu actual heat input The visible PE limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) Based upon application data, the above PE, CO, and NOx emission limitations (regulated under OAC rules 3745-31-05(A)(3) and 3745-17-11) are equal to or greater than the potential to emit for this emissions unit, as demonstrated below in Section E "Testing Requirements". Therefore, no recordkeeping, reporting, nor emissions calculations are required to demonstrate compliance with these emission limitations.

B. Operational Restrictions

1. This emissions unit shall be limited to only natural gas as fuel.

C. Monitoring and/or Record Keeping Requirements

1. None

D. Reporting Requirements

1. None

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 Limitation:
1% opacity, as a 3-minute average

Applicable Compliance Method:
Compliance shall be determined by visible PE evaluations performed using the procedures specified in USEPA Method 9.
Emission Limitation:
0.310 lb PE/mmBtu actual heat input

Applicable Compliance Method:
The permittee shall demonstrate compliance with the above limitation based on the potential to emit as determined from the AP-42, 5th edition, Table 3.2-4 emission factor of 0.046 lb PE/mmBtu actual heat input.
Emission Limitations:
0.3 lb/hr & 1.3 tpy of NOx

Applicable Compliance Method:

The permittee shall demonstrate compliance with the above limitations based upon the calculation of hourly and yearly potential NOx emissions specified below:

$$\text{PTEh} = (\text{Hlmax}) \times (\text{EF})$$
$$\text{PTEy} = (\text{PTEh}) \times (8760 \text{ hrs/yr}) \times (1 \text{ ton}/2000 \text{ lbs})$$

where:

PTEh = 0.3 lb/hr of NOx (hourly potential to emit);
PTEy = 1.3 tpy of NOx (yearly potential to emit);
Hlmax = 0.125 mmBtu/hr (maximum rated heat input); and
EF = 2.3 lbs of NOx/mmBtu heat input

[Note: the above NOx emission factor, EF, is taken from AP-42, 5th edition, Table 3.2-2, SCC 2-02-002-54.]

Emission Limitations:
0.2 lb/hr & 0.9 tpy of CO

Applicable Compliance Method:

The permittee shall demonstrate compliance with the above limitations based upon the calculation of hourly and yearly potential CO emissions specified below:

$$\text{PTEh} = (\text{Hlmax}) \times (\text{EF})$$
$$\text{PTEy} = (\text{PTEh}) \times (8760 \text{ hrs/yr}) \times (1 \text{ ton}/2000 \text{ lbs})$$

where:

PTEh = 0.2 lb/hr of CO (hourly potential to emit);
PTEy = 0.9 tpy of CO (yearly potential to emit);
Hlmax = 0.125 mmBtu/hr (maximum rated heat input); and
EF = 1.6 lbs of CO/mmBtu heat input

[Note: the above CO emission factor, EF, is taken from AP-42, 5th edition, Table 3.2-2, SCC 2-02-002-54.]

F. Miscellaneous Requirements

1. None