Facility ID: 0679940006 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: 0679940006 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
portable, natural gas-fired, small internal combustion engine [Caterpillar G3304 NA-HCR 4-stroke/rich-burn, 95 HP maximum rated power output @ 0.715 mmBtu/hr maximum rated heat input] driving a natural gas compressor	OAC rule 3745-31-05(A)(3) (PTI 16-02244)	1.58 lbs/hr & 6.92 TPY nitrogen oxides 2.66 lbs/hr & 11.6 TPY carbon monoxide 1% opacity from the stack, as a 6-minute average See sections A.2 and B.1 below for other requirements of OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)(5)(a)	0.310 lb particulates/mmBtu actual heat input
	OAC rule 3745-17-07(A)	The emission 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) The above nitrogen oxides and carbon monoxide emission limits regulated per OAC rule 3745-31-05(A)(3) and particulates emission limit regulated per OAC rule 3745-17-11(B)(5)(a) are based upon accepted USEPA potential to emit procedures for this emissions unit. Therefore, no associated record keeping or reporting are required to demonstrate compliance with these emissions limits.

   However, if any proposed change(s), such as with equipment design, capacity, and/or configuration, or operational procedures, or anything else that increase(s) the potential to emit any air pollutant, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

B. **Operational Restrictions**

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

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

1. For each day a fuel other than natural gas is burned in this emissions unit, the permittee shall maintain a record of the type and quantity of fuel burned.

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 using applicable emission factors, as noted:
   Emission Limitations: 1.58 lbs/hr & 6.92 TPY nitrogen oxides

   Applicable Compliance Method: The above emission limitations were established based upon the potential to emit as demonstrated in the equations below:

   H = NGF(1 mmBtu/1,000,000 Btu);
   Y = H(8760 hrs/yr)(1 ton/2000 lbs);

Where,

H = 1.58 lbs/hr nitrogen oxides [hourly potential to emit];
Y = 6.92 TPY nitrogen oxides [yearly potential to emit];
N = 2.21 lbs/mmBtu [AP-42, 7/00, Table 3.2-3 nitrogen oxides emission factor];
G = 1020 Btu/cubic foot of natural gas [fuel heat content]; and
F = 701 cubic feet of natural gas/hr [maximum rated fuel input capacity].
Emission Limitations: 2.66 lbs/hr & 11.6 TPY carbon monoxide

Applicable Compliance Method: The above emission limitations were established based upon the potential to emit as demonstrated in the equations below:

H = CGF(1 mmBtu/1,000,000 Btu);
Y = H(8760 hrs/yr)(1 ton/2000 lbs);

Where,

H = 2.66 lbs/hr carbon monoxide [hourly potential to emit];
Y = 11.6 TPY carbon monoxide [yearly potential to emit];
C = 3.72 lbs/mmBtu [AP-42, 7/00, Table 3.2-3 carbon monoxide emission factor]; and
G = 1020 Btu/cubic foot of natural gas [fuel heat content]; and
F = 701 cubic feet of natural gas/hr [maximum rated fuel input capacity].
Emission Limitation: 1% opacity from the stack, as a 6-minute average

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

Applicable Compliance Method: The above particulates emission limitation is greater than the emissions unit's potential to emit, as demonstrated below:

Use the AP-42, 10/96, Table 3.2-3 emission factor of 0.0007 pound of particulates (filterable) per million Btu of actual heat input.

F. **Miscellaneous Requirements**

1. Pursuant to OAC rule 3745-31-03(A)(1)(p), the permittee of the portable or mobile emissions unit identified within this Permit to Install (PTI) may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

   a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;

   b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);

   c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Ohio EPA Southeast District Office (SEDO) within a minimum of thirty days prior to the scheduled relocation; and

   d. in the SEDO's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

2. As an alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

   a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

   b. the portable emissions unit is equipped with best available technology;

   c. the portable emissions unit owner has identified the proposed site to Ohio EPA;

   d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

   e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

   f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and

   g. the portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation.

3. Any site approvals issued by the Ohio EPA shall be valid for no longer than three years and are subject to renewal.