

Facility ID: 1677000573 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: 1677000573 Emissions Unit ID: B003 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>
Portable, natural gas-fired, stationary small internal combustion engine (maximum rated heat input 0.57 million Btu/hr) driving a natural gas compressor	OAC rule 3745-31-05 (PTI 16-02037)	1.8 lbs/hr & 8.0 tpy of nitrogen oxides
		0.7 lb/hr & 3.0 tpy of total organic compounds
		1% opacity from the stack, as a 6-minute average
	OAC rule 3745-17-11	0.310 lb particulates/mmBtu actual heat input
	OAC rule 3745-17-07	The visible particulate emissions limitation required by OAC rule 3745-17-07 is less stringent than the visible particulate emissions limitation established pursuant to OAC rule 3745-31-05.

**2. Additional Terms and Conditions**

- (a) Based upon application data, the above particulate, total organic compound, and nitrogen oxides emission limitations (regulated under OAC rules 3745-31-05 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 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 permittee shall demonstrate compliance with the above limitation based upon the potential to emit as determined from the AP-42, 5th edition, Table 3.2-4 emission factor of 0.046 lb particulates/mmBtu actual heat input.  
 Emission Limitations: 1.8 lb/hr & 8.0 tpy of nitrogen oxides  
  
 Applicable Compliance Method: The permittee shall demonstrate compliance with the above limitations based upon the calculation of hourly potential nitrogen oxides 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 = 1.8 lbs/hr of nitrogen oxides (hourly potential to emit);  
 PTEy = 8.0 tpy of nitrogen oxides (yearly potential to emit);  
 Hlmax = 0.57 mmBtu/hr (maximum rated heat input); and  
 EF = 3.2 lbs of nitrogen oxides/mmBtu heat input

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

Emission Limitations: 0.7 lb/hr & 3.0 tpy of total organic compounds

Applicable Compliance Method: The permittee shall demonstrate compliance with the above limitations based upon the calculation of hourly potential total organic compound 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 = 0.7 lb/hr of total organic compounds (hourly potential to emit);  
 PTEy = 3.0 tpy of total organic compounds (yearly potential to emit);  
 Hlmax = 0.57 mmBtu/hr (maximum rated heat input); and  
 EF = 1.2 lbs of total organic compounds/mmBtu heat input

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

#### 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 Operate (PTO) may relocate within the State of Ohio without first obtaining a Permit to Install (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 PTO;
  - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Akron Regional Air Quality Management District (ARAQMD) within a minimum of thirty days prior to the scheduled relocation; and
  - d. in the ARAQMD'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.
4. In order for the ARAQMD to determine compliance with all of the above criteria, the permittee of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the ARAQMD, 146 South High Street, Suite 904, Akron, OH 44308. Upon receipt of the notice, the ARAQMD, or the ARAQMD authorized representative, will evaluate the request in accordance with the above criteria. Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.