

Facility ID: 0660960059 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: 0660960059 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
80 HP diesel generator, 150 KVA	OAC rule 3745-31-05(A)(3) (PTI # 06-08217)	Emissions shall not exceed:  0.3 pound per hour (lb/hr) of sulfur dioxide (SO <sub>2</sub> );  4.3 lbs/hr of nitrogen oxides (NO <sub>x</sub> );  0.4 lb/hr of volatile organic compounds (VOC); and  1.0 lb/hr of carbon monoxide (CO).  The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-05(C), 3745-17-11(B)(5)(a) and 3745-17-07(A).
	OAC rule 3745-17-11(B)(5)(a)	Emissions shall not exceed 0.310 lb PE/million BTU of actual heat input.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6 minute average, except as provided by the rule.
	OAC rule 3745-18-06-(G) OAC rule 3745-21-08(B) OAC rule 3745-31-05(C)	Exempt. See Section A.2.a below. See Section A.2.b below. Emissions shall not exceed the following as a rolling, 12-month summation:
	(Synthetic minor to avoid Title V applicability when co-located with similar sources.)	5.4 tons NO <sub>x</sub> ; 1.3 tons CO; 0.4 tons SO <sub>2</sub> ; 0.5 tons VOC; and 0.4 tons PE.
		See Section B.2 below.

**2. Additional Terms and Conditions**

- (a) This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).  
The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B).

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

**B. Operational Restrictions**

1. The permittee shall only burn low sulfur No. 2 or diesel fuel, containing less than 0.5% sulfur by weight, in this emissions unit.
  2. The permittee has requested a federally enforceable limitation on operating hours for purposes of limiting potential to emit to avoid possible future Title V applicability associated with relocation of a portable source. Therefore, the maximum number of operating hours for emissions unit P001 shall not exceed 2,500 hours based upon a rolling 12-month summation.
- C. Monitoring and/or Record Keeping Requirements**
1. The permittee shall maintain documentation on the sulfur content of all fuels received.
  2. For each day during which the permittee burns a fuel other than low sulfur No. 2 or diesel fuel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
  3. The permittee shall maintain monthly records of the following information:
    - a. The hours of operation for P001 for each month.
    - b. The rolling 12-month summation of the hours of operation, calculated by adding the current month's operating hours to the operating hours for the preceding eleven calendar months.
- D. Reporting Requirements**
1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than low sulfur No. 2 or diesel fuel was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
  2. The permittee shall submit quarterly deviation (excursion) reports which identify the following:
    - a. Any exceedance of the rolling 12-month hours of operation limitation.
    - b. Any exceedance of the sulfur content fuel restriction specified in Section B.1.

These deviation (excursion) reports shall be submitted in accordance with Section A.2. of the General Terms and Conditions of this permit.
- E. Testing Requirements**
1. Compliance with the emissions limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:

Emissions Limitation:  
Emissions shall not exceed 0.3 lb/hr SO<sub>2</sub>.

Applicable Compliance Method:  
Compliance shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.29 lb/mmBtu) by the maximum heat input of P001 (0.959 mmBtu/hr).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 8. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emissions Limitation:  
Emissions shall not exceed 0.4 ton SO<sub>2</sub> as a rolling 12-month summation.

Applicable Compliance Method:  
Compliance shall be demonstrated by multiplying the hourly SO<sub>2</sub> emission rate by the total number of hours operated per twelve month rolling period, as recorded in Section C.3.b, and dividing by 2000 lbs/ton.

Emissions Limitation:  
Emissions shall not exceed 4.3 lbs/hr NO<sub>x</sub>.

Applicable Compliance Method:  
Compliance shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (4.41 lbs/mmBtu) by the maximum heat input of P001 (0.959 mmBtu/hr).

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 Ohio EPA Southeast District Office.

Emissions Limitation:  
Emissions shall not exceed 5.4 tons NO<sub>x</sub> as a rolling 12-month summation.

Applicable Compliance Method:  
Compliance shall be demonstrated by multiplying the hourly NO<sub>x</sub> emission rate by the total number of hours operated per twelve month rolling period, as recorded in Section C.3.b, and dividing by 2000 lbs/ton.

Emissions Limitation:  
Emissions shall not exceed 0.4 lb/hr VOC.

Applicable Compliance Method:  
Compliance shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.36 lb/mmBtu) by the maximum heat input of P001 (0.959 mmBtu/hr).

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 Ohio EPA Southeast District Office.

Emissions Limitation:  
Emissions shall not exceed 0.5 ton VOC as a rolling 12-month summation.

Applicable Compliance Method:  
Compliance shall be demonstrated by multiplying the hourly VOC emission rate by the total number of hours operated per twelve month rolling period, as recorded in Section C.3.b, and dividing by 2000 lbs/ton.

**Emissions Limitation:**

Emissions shall not exceed 1.0 lb/hr CO.

**Applicable Compliance Method:**

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.95 lb/mmBtu) by the maximum heat input of P001 (0.959 mmBtu/hr).

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 Ohio EPA Southeast District Office.

**Emissions Limitation:**

Emissions shall not exceed 1.3 tons CO as a rolling 12-month summation.

**Applicable Compliance Method:**

Compliance shall be demonstrated by multiplying the hourly CO emission rate by the total number of hours operated per twelve month rolling period, as recorded in Section C.3.b, and dividing by 2000 lbs/ton.

**Emissions Limitation:**

0.31 lb PE/million Btu of actual heat input.

**Applicable Compliance Method:**

Compliance shall be based upon an emission factor of 0.31 lb/million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

**Emissions Limitation:**

Emissions shall not exceed 0.4 ton PE as a rolling 12-month summation.

**Applicable Compliance Method:**

Compliance shall be determined by multiplying the PE emission factor of 0.31 lb/mmBtu of actual heat input by the maximum heat input of P001 (0.959 mmBtu/hr) and by the total number of hours operated per twelve month rolling period, as recorded in Section C.3.b., and dividing by 2000 lbs/ton.

2. Compliance with the operational restrictions in Section B of these terms and conditions shall be determined in accordance with the following methods:

**Operational Limitation:**

Sulfur content of fuel restricted to less than 0.5%, by weight

**Applicable Compliance Method:**

Compliance shall be based on recordkeeping as specified in Section C.1. of this permit.

**Operational Limitation:**

Maximum of 2,500 hours of operation as a rolling 12-month summation

**Applicable Compliance Method:**

Compliance shall be based on recordkeeping as specified in Section C.3. of this permit.

**F. Miscellaneous Requirements**

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), 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 are met:
- The portable emissions unit is equipped with the best available control technology for such portable emissions unit;
  - The portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;
  - The applicant has provided proper notice of intent to relocate the portable emissions unit to the Southeast District Office (SEDO) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,
  - In the SEDO's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
2. In the 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:
- The portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
  - The portable emissions unit is equipped with best available technology;
  - The portable emission unit owner has identified the proposed site to Ohio EPA;
  - Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
  - 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 the proposed site; and,
- The portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

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

3. In order for the SEDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator 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 SEDO (2195 Front Street, Logan, Ohio 43138) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the SEDO and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.
4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions from the portable emission units are included in the facility potential to emit calculations for Title V and PSD applicability.  
  
The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".
5. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.