

Facility ID: 0857043162 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: 0857043162 Emissions Unit ID: B001 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>
510 KW (1.74 mmBtu/hr) diesel generator; portable emissions unit	OAC rule 3745-31-05 PTI 08-3933	5.57 lbs/hr and 8.69 TPY Nitrogen Oxides; 1.48 lbs/hr and 2.31 TPY Carbon Monoxide; 0.5 lb/mmBtu and 1.37 TPY Sulfur Dioxide; 0.16 lb/hr and 0.25 TPY Organic Compounds; 0.062 lb particulate/mmBtu of actual heat input and 0.17 TPY particulates; 10% opacity, as a 3-minute average The limits based on this rule are less stringent than the limits established above.
	OAC rule 3745-17-07	The limit based on this rule is the same as the particulate limit established above as BAT under 3745-31-05.
	OAC rule 3745-17-11 (B)(5)(b)	The limit based on this rule is the same as the sulfur dioxide limit established above as BAT under 3745-31-05.
	OAC rule 3745-18-06(G)	

2. **Additional Terms and Conditions**
 - (b) The hourly emission limitations were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.

B. Operational Restrictions

1. The maximum annual hours of operation for this emissions unit shall not exceed 3120 hours.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the hours of operation for this emissions unit.
2. For each day during which the permittee burns a fuel other than distillate fuel oil, 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 annual reports that identify any exceedances of the annual hours of operation limitation

for this emissions unit, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

2. The permittee shall submit deviation (excursion) reports to the Director (the appropriate Ohio EPA District Office or local air agency) that identify each day when a fuel other than distillate fuel oil was burned in this emissions unit. Each reports 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 method(s):

Emission Limitation-
5.57 lbs/hr NOx

Applicable Compliance Method-

Compliance shall be based upon the emission factor for diesel fuel engines given in AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 of 3.2 lb NOx/mmBtu multiplied by the maximum rated capacity of the diesel engine of 1.74 mmBtu/hr.

Emission Limitation-
8.69 TPY NOx

Applicable Compliance Method-

Compliance shall be based upon the maximum hourly emission rate of 5.57 lbs/hr multiplied by the number of operating hours as determined in section C.2. and converted to tons.

Emission Limitation-
1.48 lbs/hr CO

Applicable Compliance Method-

Compliance shall be based upon the emission factor for diesel fuel engines given in AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 of 0.85 lb CO/mmBtu multiplied by the maximum rated capacity of the diesel engine of 1.74 mmBtu/hr.

Emission Limitation-
2.31 TPY CO

Applicable Compliance Method-

Compliance shall be based upon the maximum hourly emission rate of 1.48 lbs/hr multiplied by the number of operating hours as determined in section C.2. and converted to tons.

Emission Limitation-
0.5 lb/mmBtu SO₂

Applicable Compliance Method-

Compliance shall be based upon the emission factor for diesel fuel engines given in AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1.

Emission Limitation-
1.37 TPY SO₂

Applicable Compliance Method-

Compliance shall be based upon the maximum hourly emission rate of 0.5 lb/mmBtu multiplied by the maximum rated capacity of the diesel engine of 1.74 mmBtu/hr and by the number of operating hours as determined in section C.2. and converted to tons.

Emission Limitation-
0.16 lb/hr OC

Applicable Compliance Method-

Compliance shall be based upon the emission factor for diesel fuel engines given in AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 of 0.09 lb OC/mmBtu multiplied by the maximum rated capacity of the diesel engine of 1.74 mmBtu/hr.

Emission Limitation-
0.25 TPY OC

Applicable Compliance Method-

Compliance shall be based upon the maximum hourly emission rate of 0.16 lb/hr multiplied by the number of operating hours as determined in section C.2. and converted to tons.

Emission Limitation-
0.062 lb particulate/mmBtu actual heat input

Compliance shall be based on the emission factor for diesel fuel engines given in AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 of 0.0620 lb PM/mmBtu. 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).

Emission Limitation-
0.17 TPY particulates

Applicable Compliance Method-

Compliance shall be based upon the emission factor for diesel fuel engines given in AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 of 0.0620 lb PM/mmBtu multiplied by the maximum rated capacity of the diesel engine of 1.74 mmBtu/hr, then multiplied by the number of operating hours as determined in section C.2. and converted to tons.

Emission Limitation-
10% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance with the visible emission limitation is presumed through the use of diesel fuel. If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the tests and procedures specified in USEPA Reference Method 9.

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile source

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:

- 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 RAPCA and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and
- d. in RAPCA'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:

- 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 emission 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, pursuant to F.2. above, shall be valid for no longer than three years and are subject to renewal.

In order for the RAPCA 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 RAPCA (451 W. Third Street, Dayton, OH 45422) and the appropriate field office having jurisdiction over the new site. Upon receipt of the notice, the RAPCA and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.