Facility ID: 1431400140 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: 1431400140 Emissions Unit ID: P007 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Portable 725 kW no.2 fuel oil-fired generator (Plant #17)	OACrule 3745-31-05(A)(3) (PTI 14-05410)	13.4 lbs NOx/hr, 21.7 TPY NOx 5.34 lbs CO/hr, 8.66 TPY CO 0.68 lb PM/PM10/hr, 1.1 TPY PM/PM10 2.42 lbs SO2/hr, 3.92 TPY SO2 0.685 lb VOC/hr, 1.11 TPY VOC The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1) and OAC rule 3745-17-11(B)(5)(b).
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(5)(b)	0.062 lb/MMBtu of actual heat input
	OAC rule 3745-18-06(B)	Exempt

2. **Additional Terms and Conditions**

   (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by compliance with the emission limitations, hours of operation limitation and the visible particulate emissions limitation.
   The hourly emissions limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no records are required to demonstrate compliance with these limits.

B. **Operational Restrictions**

1. The maximum annual operating hours for this emissions unit shall not exceed 3240.

2. The permittee shall burn only No. 2 fuel oil in this emissions unit.

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

1. The permittee shall maintain monthly records of the operating hours for this emissions unit.

2. The permittee shall maintain records of the dates and places in which this emissions unit is relocated

3. The permittee shall maintain documentation that the fuel oil used meets the specification of No. 2 fuel oil.

D. **Reporting Requirements**

1. The permittee shall submit an annual report which specifies the total hours of operation for this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

2. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any records showing that a fuel other than No. 2 fuel oil was burned in this emissions unit . The notification shall include a copy of such record and shall be sent the Hamilton County Department of Environmental Services within 30 days of the exceedance.

E. **Testing Requirements**

1. Compliance with the visible particulate limitation shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.

2. Emission Limitations:
   13.4 lbs NOx/hr and 21.7 TPY NOx

   Applicable compliance method:
   The emission rate of 13.4 lbs NOx/hr is based upon emission data provided by the engine manufacturer submitted in PTI application 14-05410 received March 17, 2003.

   Compliance with the annual emission limit may be determined by multiplying the hourly NOx emissions by the operating hours then by 1 Ton/2000 pounds.

3. Emission Limitations:
   5.34lb CO/hr and 8.66 TPY CO

   Applicable compliance method:
   Compliance with the hourly emission limit may be determined by multiplying the AP-42, Fifth Edition, Section 3.4, Table 3.4-1 (revised 10/96) emission factor of 0.0055 lb CO/hp-hr by the horsepower of the generator.

   Compliance with the annual emission limit may be determined by multiplying the hourly CO emissions by the operating hours then by 1 Ton/2000 pounds.

4. Emission Limitations:
   0.68 lb PM/PM10/hr and 1.1 TPY PM/PM10

   Applicable compliance method:
   Compliance with the hourly emission limit may be determined by multiplying the AP-42, Fifth Edition, Section 3.4, Table 3.4-1 (revised 10/96) emission factor of 0.0007 lbPM/PM10/hp-hr by the horsepower of the generator.

   Compliance with the annual emission limit may be determined by multiplying the hourly PM/PM10 emissions by the operating hours then by 1 Ton/2000 pounds.

5. Emission Limitations:
   2.42 lb SO2/hr and 3.92 TPY SO2

   Applicable compliance method:
   Compliance with the hourly emission limit may be determined by multiplying the AP-42, Fifth Edition, Section 3.4, Table 3.4-1 (revised 10/96) emission factor of 0.00809(%S) lb SO2/hp-hr by the horsepower of the generator.

   Compliance with the annual emission limit may be determined by multiplying the hourly SO2 emissions by the operating hours then by 1 Ton/2000 pounds.

6. Emission Limitations:
   0.685 lb VOC/hr and 1.11 TPY VOC

   Applicable compliance method:
   Compliance with the hourly emission limit may be determined by multiplying the AP-42, Fifth Edition, Section 3.4, Table 3.4-1 (revised 10/96) emission factor of 0.000705 lb VOC/hp-hr by the horsepower of the generator.

   Compliance with the annual emission limit may be determined by multiplying the hourly VOC emissions by the operating hours then by 1 Ton/2000 pounds.

7. Emission Limitations:
   0.062 lb/MMBtu of actual heat input

   Applicable compliance method:
   Compliance with the lb/MMBtu emission limit may be determined by the emission factor from AP-42, Fifth Edition, Section 3.4, Table 3.4-2 (revised 10/96).

8. Compliance with the hours of operation limit shall be determined by the record keeping in term C.1.

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 install, permit to operate or registration status;

   c. The applicant has provided proper notice of intent to relocate the portable emissions unit to the Department of Environmental Services 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 the Department of Environmental Services and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

      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:

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

f. The portable emissions unit is equipped with best available technology;

g. The portable emission unit owner has identified the proposed site to the Ohio EPA;

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

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

j. 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

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

2. Any site approvals issued by the Ohio EPA, pursuant to F.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Department of Environmental Services 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 Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate field office having jurisdiction over the new site.

Upon receipt of the notice, the Department of Environmental Services and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive the Ohio EPA's approval prior to relocation of the emissions unit may result in fines and civil penalties.