Facility ID: 0448960008 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: 0448960008 Emissions Unit ID: P903 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
P903 - 45 HP portable diesel engine	OAC rule 3745-31-05(A)(3) (PTI 04-01451, issued 10/12/2006)	Carbon monoxide (CO) emissions shall not exceed 0.30 pound per hour. Nitrogen oxides (NOx) emissions shall not exceed 1.40 pounds per hour. Particulate Emissions (PE) shall not exceed 0.10 pound per hour. PM10 emissions shall not exceed 0.10 pound per hour. Sulfur dioxide (SO2) emissions shall not exceed 0.09 pound per hour. Volatile organic compounds (VOC) emissions shall not exceed 0.11 pound per hour. Visible emissions of particulate shall not exceed 10% opacity as a six-minute average, unless otherwise specified by the rule. See Sections A.2.a and d.
	OAC rule 3745-31-05(C)	Emissions shall not exceed, as a rolling, 12-month summation: 0.31 tons CO 1.45 tons NOx 0.10 ton PE 0.10 ton PM10 0.10 ton SO2 0.12 ton VOC
	OAC rule 3745-17-07(A)(1)	See Section A.2.b.
	OAC rule 3745-17-11(B)(5)(a)	PE shall not exceed 0.310 pound per mmBtu of actual heat input. See Section A.2.c.
	OAC rule 3745-18-06(G)	SO2 emissions shall not exceed 0.5 pound per mmBtu of actual heat input.
	OAC rule 3745-21-07(B)	See Section A.2.e.
	OAC rule 3745-21-08(B)	See Section A.2.f.

2. **Additional Terms and Conditions**

   (b) The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
   The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11 (B)(5)(a), and 3745-18-06(G).
   This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.
   The sulfur content of the diesel fuel received for combustion in this emissions unit shall not exceed 0.5% by weight.

The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rule 3745-21-07(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).
The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by complying with all applicable rules.

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 quality of oil as received for combustion in this emissions unit shall meet the specifications of number 2 diesel fuel oil, as defined by the American Society for Testing and Materials in ASTM D396-78, 89, 90, 92, 96, or 98, "Standard Specification for Fuel Oils" (i.e., "on-spec" with less than or equal to 0.5% sulfur by weight).

2. The maximum hours of engine operation shall not exceed 2,080 hours per year as a rolling, 12-month summation.

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

1. For each day during which the permittee burns a fuel other than the number 2 diesel fuel oil specified above (i.e., "on-spec" with less than or equal to 0.5% sulfur by weight), the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall maintain documentation on the sulfur content of all fuels received.

3. The permittee shall install and maintain a device (hour meter) capable of tracking the total hours of operation of the engine.

4. The permittee shall calculate and record the following on a monthly basis:

   a. the total hours of operation of each emissions unit, in hours;

   b. the total hours of operation of each emissions unit as a rolling, 12-month summation, in hours.

5. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in an operations log:

   a. the color of the emissions;
   b. weather the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the visible emissions.

6. The monitoring and recordkeeping requirements of this section apply only for those calendar quarters during which the emissions unit is located in the State of Ohio.

D. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than the number 2 diesel fuel oil specified (i.e., "on-spec" with less than or equal to 0.5% sulfur by weight) 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 that:

   a. summarize any daily record(s) showing that a fuel other than the number 2 diesel fuel oil specified (i.e., "on-spec" with less than or equal to 0.5% sulfur by weight) was burned in this emissions unit,

   b. identify all exceedances of the rolling 12-month total hours of operation limitation,

   c. identify (a) all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describes any corrective actions taken to eliminate the visible particulate emissions.

   If no deviations occurred during the calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that period.

3. All deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit by January 31, April 30, July 31, and October 31.

4. The reporting requirements of this section apply only for those calendar quarters during which the emissions unit is located in the State of Ohio.

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:

   Visible particulate emissions from each diesel engine exhaust stack shall not exceed 10 percent opacity as a six-minute average, except as specified by the rule.

   Applicable Compliance Method:

   Compliance shall be determined through visible emission observations performed in accordance with Method 9

of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
Emission Limitation:

The emissions of CO shall not exceed 0.30 pound per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum operating load of 45 horsepower. Compliance may be demonstrated through calculations performed as follows: multiply the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.00668 lb/hp-hr) by the actual operating horsepower.

If required, the permittee shall demonstrate compliance with this emissions limitation using Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
Emission Limitation:

The emissions of CO shall not exceed 0.31 ton as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (0.30 lb/hr CO) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.
Emissions Limitation:

The emissions of NOx shall not exceed 1.40 pounds per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum operating load of 45 horsepower. Compliance may be demonstrated through calculations performed as follows: multiply the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.031 lb/hp-hr) by the actual operating horsepower.

If required, the permittee shall demonstrate compliance with this emissions limitation using Methods 1 through 4 and 7E of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
Emissions Limitation:

The emissions of NOx shall not exceed 1.45 tons as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (1.40 lbs/hr NOx) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.
Emissions Limitation:

Particulate Emissions (PE) shall not exceed 0.310 pound per mmBtu of actual heat input.

Applicable Compliance Method:

Compliance may be demonstrated through the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.31 lb/mmBtu).

If required, the permittee shall demonstrate compliance with this emissions limitation using Methods 1 through 5 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(10). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
Emissions Limitation:

PE shall not exceed 0.10 pound per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum operating load of 45 horsepower. Compliance may be demonstrated through calculations performed as follows: multiply the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.00220 lb/hp-hr) by the actual operating horsepower.

If required, the permittee shall demonstrate compliance with this emissions limitation using Methods 1 through 5 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(10). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
Emissions Limitation:

PE shall not exceed 0.10 ton as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (0.10 lb/hr PE) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.

Emission Limitation:

The emissions of PM10 shall not exceed 0.10 pound per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum operating load of 45 horsepower. Compliance may be demonstrated through calculations performed as follows: multiply the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.00220 lb/hp-hr) by the actual operating horsepower.

If required, the permittee shall demonstrate compliance with this emissions limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.
Emission Limitation:

The emissions of PM10 shall not exceed 0.10 ton as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (0.10 lb/hr PM10) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.
Emission Limitation:

The emissions of SO2 shall not exceed 0.5 pound per mmBtu of actual heat input.

Applicable Compliance Method:

Compliance may be demonstrated through the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.29 lb/mmBtu).

If required, the permittee shall demonstrate compliance with this emissions limitation using Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-18-04(E) and (F). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
Emission Limitation:

The emissions of SO2 shall not exceed 0.09 pound per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum operating load of 45 horsepower. Compliance may be demonstrated through calculations performed as follows: multiply the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.00205 lb/hp-hr) by the actual operating horsepower.

If required, the permittee shall demonstrate compliance with this emissions limitation using Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-18-04(E) and (F). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
Emission Limitation:

The emissions of SO2 shall not exceed 0.10 ton as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (0.10 lb/hr SO2) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.
Emission Limitation:

The emissions of VOC shall not exceed 0.11 pound per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum operating load of 45 horsepower. Compliance may be demonstrated through calculations performed as follows: multiply the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.00251 lb/hp-hr) by the actual operating horsepower.

If required, the permittee shall demonstrate compliance with this emissions limitation using Methods 1 through 4 and 25 or 25A of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-21-10. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
Emission Limitation:

The emissions of VOC shall not exceed 0.12 ton as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (0.11 lb/hr VOC) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.

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:

   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;

   c. the applicant has provided proper notice of intent to relocate the portable emissions unit to 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 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 the proposed site; and,

   g. 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 section F.2. above, shall be valid for no longer than three years and are subject to renewal.

3. In order for the Toledo Division of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee shall 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 Toledo Division of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site.

   Upon receipt of the notice, the Toledo Division of Environmental Services and/or appropriate Ohio EPA 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 Ohio EPA approval prior to relocation of the emissions unit may result in civil penalties.

   Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

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 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. The terms and conditions of this permit A.1 through E.1 are federally enforceable.