

Facility ID: 0448960003 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.

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Facility ID: 0448960003 Emissions Unit ID: B001 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
B001 - Portable 600 kilowatt diesel fueled generator, Caterpillar model 3414 with 890 bhp internal combustion engine with timing retard and positive crankcase ventilation	OAC rule 3745-31-05(A)(3) (PTI 04-01315, issued 11/5/2002, modified 7/21/2005)	Carbon monoxide (CO) emissions shall not exceed 5.3 pounds per hour.  Nitrogen oxides (NOx) emissions shall not exceed 11.8 pounds per hour.  Particulate emissions (PE) shall not exceed 0.39 pound per hour.  Sulfur dioxide (SO2) emissions shall not exceed 3.1 pounds per hour.  Volatile organic compound (VOC) emissions shall not exceed 0.56 pound per hour.
	OAC rule 3745-17-07(A)(1)	See sections A.2.b, A.2.c and A.2.d. Visible emissions of particulate shall not exceed 20% opacity as a 6-minute average.
	OAC rule 3745-17-11(B)(5)(b)	PE shall not exceed 0.062 pound per mmBtu of actual heat input.
	OAC rule 3745-18-06(B)	Exempt, see A.2.a.
	OAC rule 3745-21-07(B)	See section A.2.b.
	OAC rule 3745-21-08(B)	See section A.2.b.
	OAC rule 3745-31-05(C) (PTI 04-01315, issued 11/5/2002, modified 7/21/2005)	Emissions shall not exceed, as a rolling, 12-month summation:  4.5 tons CO; 10 tons NOx; 0.33 ton PE; 2.7 tons SO2; and 0.47 ton VOC.

**2. Additional Terms and Conditions**

- (a) Exemption from OAC rule 3745-18-06 requirements for SO2: stationary internal combustion engine less than 10 mmBtu per hour.  
 The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07 and 3745-21-08 by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).  
 The permittee shall utilize only commercially available diesel fuel, with a maximum sulfur content of 0.5% by weight, for combustion in this emissions unit.  
 The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07

(A)(1) and 3745-17-11(B)(5)(b).

**B. Operational Restrictions**

1. The permittee shall maintain and operate a positive crankcase ventilation system at all times when the emissions unit is in operation.
2. Engine ignition shall be retarded at least 4 degrees from peak power settings at all times when the emissions unit is in operation.
3. The maximum rolling, 12-month summation of fuel usage for this emissions unit shall not exceed 75,000 gallons.

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

1. For each day during which the permittee burns a fuel other than diesel fuel with a maximum sulfur content of 0.5% by weight, the permittee shall maintain a record of the type, sulfur content and quantity of fuel burned in this emissions unit.
2. The permittee shall maintain daily records that document any time periods when the positive crankcase ventilation system was not in service when the emissions unit was in operation.
3. The permittee shall maintain daily records that document any time periods when the engine ignition was not retarded at least 4 degrees from peak power settings when the emissions unit was in operation.
4. The permittee shall maintain on a monthly basis, a rolling, 12-month summation of the number of gallons of fuel as combusted in this emissions unit.
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 the operations log:
  - a. the color of the emissions;
  - b. whether 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 minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

6. The above-mentioned inspections shall be performed during representative, normal operating conditions.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel other than diesel fuel with a maximum sulfur content of 0.5% by weight is used in this emissions unit.
2. The permittee shall submit deviation (excursion) reports that identify each day during which the positive crankcase ventilation system was not in service when the emissions unit was in operation.
3. The permittee shall submit deviation (excursion) reports that identify each day during which the engine ignition was not retarded at least 4 degrees from peak power settings when the emissions unit was in operation.
4. The permittee shall submit deviation (excursion) reports identifying any monthly record which shows that the gallons per year of fuel used exceeds the applicable limitation.
5. Each report shall be submitted to the Toledo Division of Environmental Services within 30 days of the discovery of the deviation.
6. The permittee shall submit semi annual deviation (excursion) reports that:
  - a. identify all days during which any visible particulate emissions were observed from the diesel engine serving this emissions unit;
  - b. describe any corrective actions taken to minimize or eliminate the visible particulate;
  - c. identify each day during which an inspection was not performed by the required frequency.
  - d. summarize the number of deviations reported in D.1 through D.4.
  - e. summarize the actual hours of operation for this emissions unit.

These reports shall be submitted by January 31 and July 31 to the Toledo Division of Environmental Services.

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

**E. Testing Requirements**

1. Compliance with the emission limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):  
Emission Limitation:

20% opacity as a six-minute average.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission readings performed in accordance with Method 9 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC 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:

5.3 pounds CO per hour.

Applicable Compliance Method:

This emissions limitation was established by a one-time emissions calculation multiplying the maximum hourly fuel usage rate of 44.2 gallons per hour times the emission factor of 0.85 lb/MMBtu times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.4, Table 3.4-1.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-4 and Method 10 of 40 CFR, Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

Emission Limitation:

4.5 tons CO per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 75,000 gallons per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply 0.85 lb/MMBtu times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBtu/gallon and divide by 2,000 pounds per ton.

Emission Limitation:

11.8 pounds of NOx per hour.

Applicable Compliance Method:

This emissions limitation was established by a one-time emissions calculation multiplying the maximum hourly fuel usage rate of 44.2 gallons per hour times the emission factor of 1.9 lbs/MMBtu times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.4, Table 3.4-1.

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.

Emission Limitation:

10 tons NOx per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 75,000 gallons per rolling 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply 1.9 lbs/MMBtu times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBtu/gallon and divide by 2,000 pounds per ton.

Emission Limitation:

0.39 pound PE per hour.

Applicable Compliance Method:

This emissions limitation was established by a one-time emissions calculation multiplying the maximum hourly fuel usage rate of 44.2 gallons per hour times the emission factor of 0.062 lb/MMBtu times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.4, Table 3.4-2.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

Emission Limitation:

0.33 ton PE per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 75,000 gallons per rolling 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply 0.062 lbs/MMBtu times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBTU/gallon and divide by 2,000 pounds per ton.

Emission Limitation:

3.1 pounds of SO<sub>2</sub> per hour.

Applicable Compliance Method:

This emissions limitation was established by a one-time emissions calculation multiplying the maximum hourly fuel usage rate of 44.2 gallons per hour times the emission factor of  $1.01 \cdot S$  lbs/MMBTU, where  $S=0.5$ , times the heat content of 0.14 MMBTU/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.4, Table 3.4-1.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-4 and Method 6 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-18-04. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

Emission Limitation:

2.7 tons SO<sub>2</sub> per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 75,000 gallons per rolling 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply  $1.01 \cdot S$  lbs/MMBTU, where  $S=0.5$ , times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBTU/gallon and divide by 2,000 pounds per ton.

Emission Limitation:

0.56 pound VOC per hour.

Applicable Compliance Method:

This emissions limitation was established by a one-time emissions calculation multiplying the maximum hourly fuel usage rate of 44.2 gallons per hour times the emission factor of 0.09 lb/MMBTU times the heat content of 0.14 MMBTU/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.4, Table 3.4-1.

If required, the permittee shall demonstrate compliance with the emission limitation through emission testing performed in accordance with Methods 1-4 and Method 25 of 40 CFR Part 60, Appendix A, using the methods and procedures specified in OAC rule 3745-21-10. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

Emission Limitation:

0.47 ton VOC per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 75,000 gallons per rolling 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply 0.09 lb/MMBTU times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBTU/gallon and divide by 2,000 pounds per ton.

Emissions Limitation:

PE shall not exceed 0.062 pound per mmBtu of actual heat input.

Applicable Compliance Method:

This emission factor of 0.062 lb/mmBtu is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.4, Table 3.4-2.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

**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 Toledo Division of Environmental Services (TDES) 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 TDES'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 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 this section, shall be valid for no longer than three years and are subject to renewal.

- 3. In order for the TDES 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 Toledo Division of Environmental Services (348 S. Erie St., Toledo, Ohio 43602 ) and with the appropriate field office having jurisdiction over the new site. Upon receipt of the notice, the TDES and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.
- 4. The following terms and conditions are federally enforceable: A., B., C., D. and E.

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Facility ID: 0448960003 Emissions Unit ID: B002 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
B002 - Portable 320 kilowatt diesel fueled generator, Caterpillar model 3406 with 487 bhp internal combustion engine with timing retard and positive crankcase ventilation	OAC rule 3745-31-05(A)(3) (PTI 04-01315, issued 11/5/2002, modified 7/21/2005)	Carbon monoxide (CO) emissions shall not exceed 3.3 pounds per hour.
		Nitrogen oxides (NOx) emissions shall not exceed 15.4 pounds per hour.
		Particulate emissions (PE) shall not exceed 1.1 pounds per hour.
		Sulfur dioxide (SO2) emissions shall not exceed 1 pound per hour.
		Volatile organic compound (VOC) emissions shall not exceed 1.2 pounds per hour.
	OAC rule 3745-17-07(A)(1)	See sections A.2.b, A.2.c and A.2.d. Visible emissions of particulate shall not exceed 20% opacity as a 6-minute average.
	OAC rule 3745-17-11(B)(5)(a)	PE shall not exceed 0.062 pound per mmBtu of actual

	heat input.
OAC rule 3745-18-06(B)	Exempt, see A.2.a
OAC rule 3745-21-07(B)	See section A.2.b.
OAC rule 3745-21-08(B)	See section A.2.b.
OAC rule 3745-31-05(C) (PTI 04-01315, issued 11/5/2002, modified 7/21/2005)	Emissions shall not exceed, as a rolling, 12-month summation:  3.2 tons CO; 14.8 tons NOx; 1 ton PE; 1 ton SO <sub>2</sub> ; and 1.2 tons VOC.

2. **Additional Terms and Conditions**

- (a) Exemption from OAC rule 3745-18-06 requirements for SO<sub>2</sub>: stationary internal combustion engine less than 10 mmBtu per hour.  
The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07 and 3745-21-08 by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).  
The permittee shall utilize only commercially available diesel fuel, with a maximum sulfur content of 0.5% by weight, for combustion in this emissions unit.  
The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07 (A)(1) and 3745-17-11(B)(5)(b).

B. **Operational Restrictions**

1. The permittee shall maintain and operate a positive crankcase ventilation system at all times when the emissions unit is in operation.
2. Engine ignition shall be retarded at least 4 degrees from peak power settings at all times when the emissions unit is in operation.
3. The maximum rolling, 12-month summation of fuel usage for this emissions unit shall not exceed 48,000 gallons.

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

1. For each day during which the permittee burns a fuel other than diesel fuel with a maximum sulfur content of 0.5% by weight, the permittee shall maintain a record of the type, sulfur content and quantity of fuel burned in this emissions unit.
2. The permittee shall maintain daily records that document any time periods when the positive crankcase ventilation system was not in service when the emissions unit was in operation.
3. The permittee shall maintain daily records that document any time periods when the engine ignition was not retarded at least 4 degrees from peak power settings when the emissions unit was in operation.
4. The permittee shall maintain on a monthly basis, a rolling, 12-month summation of the number of gallons of fuel as combusted in this emissions unit.
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 the operations log:
  - a. the color of the emissions;
  - b. whether 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 minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

6. The above-mentioned inspections shall be performed during representative, normal operating conditions.

D. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel other than diesel fuel with a maximum sulfur content of 0.5% by weight is used in this emissions unit.
2. The permittee shall submit deviation (excursion) reports that identify each day during which the positive crankcase ventilation system was not in service when the emissions unit was in operation.
3. The permittee shall submit deviation (excursion) reports that identify each day during which the engine ignition was not retarded at least 4 degrees from peak power settings when the emissions unit was in operation.

4. The permittee shall submit deviation (excursion) reports identifying any monthly record which shows that the gallons per rolling 12-month period of fuel used exceeds the applicable limitation.
5. Each report shall be submitted to the Toledo Division of Environmental Services within 30 days of the discovery of the deviation.
6. The permittee shall submit semi annual deviation (excursion) reports that:
  - a. identify all days during which any visible particulate emissions were observed from the diesel engine serving this emissions unit;
  - b. describe any corrective actions taken to minimize or eliminate the visible particulate;
  - c. identify each day during which an inspection was not performed by the required frequency.
  - d. summarize the number of deviations reported in D.1 through D.4.
  - e. summarize the actual hours of operation for this emissions unit.

These reports shall be submitted by January 31 and July 31 to the Toledo Division of Environmental Services.

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

**E. Testing Requirements**

1. Compliance with the emission limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):  
Emission Limitation:

Visible particulate emissions from each diesel engine exhaust stack shall not exceed 20% opacity as a six-minute average.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission readings performed in accordance with Method 9 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC 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:

3.3 pounds CO per hour.

Applicable Compliance Method:

This emission limitation was established by a one-time emissions calculation multiplying an emission factor of 0.95 lb/MMBtu time the maximum fuel usage rate of 24.9 gallons per hour times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.3, Table 3.3-1.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-4 and Method 10 of 40 CFR, Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

Emission Limitation:

3.2 tons CO per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 48,000 gallons per rolling 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply 0.95 lb/MMBtu times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBtu/gallon and divide by 2,000 pounds per ton.

Emission Limitation:

15.4 pounds of NOx per hour.

Applicable Compliance Method:

This emission limitation was established by a one-time emissions calculation multiplying an emission factor of 4.41 lbs/MMBtu time the maximum fuel usage rate of 24.9 gallons per hour times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.3, Table 3.3-1.

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.

Emission Limitation:

14.8 tons NOx per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 48,000 gallons per rolling 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply 4.41 lbs/MMBtu times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBtu/gallon and divide by 2,000 pounds per ton.

## Emission Limitation:

1.1 pound PE per hour.

## Applicable Compliance Method:

This emissions limitation was established by a one-time emissions calculation multiplying an emission factor of 0.31 lb/MMBtu times the maximum fuel usage rate of 24.9 gallons per hour times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.3, Table 3.3-1.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

## Emission Limitation:

1.0 ton PE per rolling, 12-month period.

## Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 48,000 gallons per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply 0.31 lb/MMBtu times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBTU/gallon and divide by 2,000 pounds per ton.

## Emission Limitation:

1 pound of SO<sub>2</sub> per hour.

## Applicable Compliance Method:

This emissions limitation was established by a one-time emissions calculation multiplying an emission factor of 0.29 lb/MMBTU times the maximum fuel usage rate of 24.9 gallons per hour times the heat content of 0.14 MMBTU/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.3, Table 3.3-1.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-4 and Method 6 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-18-04. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

## Emission Limitation:

1 ton SO<sub>2</sub> per rolling, 12-month period.

## Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 48,000 gallons per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply 0.29 lb/MMBTU times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBTU/gallon and divide by 2,000 pounds per ton.

## Emission Limitation:

1.2 pounds VOC per hour.

## Applicable Compliance Method:

This emissions limitation was established by a one-time emissions calculation multiplying an emission factor of 0.35 lb/MMBTU times the maximum fuel usage rate of 24.9 gallons per hour times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.3, Table 3.3-1.

If required, the permittee shall demonstrate compliance with the emission limitation through emission testing performed in accordance with Methods 1-4 and Method 25 of 40 CFR Part 60, Appendix A, using the methods and procedures specified in OAC rule 3745-21-10. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

## Emission Limitation:

1.2 tons VOC per rolling, 12-month period.

## Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 48,000 gallons per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply 0.35 lb/MMBTU times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBTU/gallon and divide by 2,000 pounds per ton.

## Emissions Limitation:

PE shall not exceed 0.062 pound per mmBtu of actual heat input.

## Applicable Compliance Method:

This emission factor of 0.062 lb/mmBtu is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.4, Table 3.4-2.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A using the methods and procedures

specified in OAC rule 3745-17-03(B)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

**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 Toledo Division of Environmental Services (TDES) 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 TDES'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 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 this section, shall be valid for no longer than three years and are subject to renewal.
3. In order for the TDES 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 Toledo Division of Environmental Services (348 S. Erie St., Toledo, Ohio 43602 ) and with the appropriate field office having jurisdiction over the new site. Upon receipt of the notice, the TDES and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.
4. The following terms and conditions are federally enforceable: A., B., C., D. and E.