Facility ID: 0819020226 Issuance type: Draft 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.

Go to Part II for Emissions Unit B001
Go to Part II for Emissions Unit B002

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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
4.9 mmBtu/hr Stand-by Generator (1080 brake horsepower)	OAC rule 3745-17-11(B)(5)(b)	The particulate emissions (PE) from this emissions unit shall not exceed 0.062 lb particulate/mmBtu.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-35-07	The nitrogen oxide (NOx) emissions from this emissions unit shall not exceed 28.57 pounds per hour (lbs/hr) and 57.14 tons per year (TPY), as a rolling 12-month summation.

2. **Additional Terms and Conditions**

   (a) The lbs/hr allowable emission rate was 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 this limit.

B. **Operational Restrictions**

1. The maximum diesel fuel usage for this emissions unit shall not exceed 35 gallons of diesel fuel per hour and 140,000 gallons per year based upon a rolling, 12-month summation of the fuel usage.

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

1. The permittee shall maintain monthly records of the following information:

   a. The number of gallons of diesel fuel burned for the calendar month.
   b. The number of gallons of diesel fuel burned for the rolling, 12-month summation period (beginning the 13th calendar month after the final issuance of this permit).

D. **Reporting Requirements**

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing an exceedance of the rolling, 12-month diesel fuel usage limitation. The notification should include a copy of such record and shall be sent to the Director within 30 days following the end of the month.

E. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
   Emission Limitation-
   The nitrogen oxide emissions (NOx) from this emissions unit shall not exceed 28.57 pounds per hour (lbs/hr).

   Applicable Compliance Method-
   Compliance shall be based upon the reported manufacturer's emission rate of 12 grams per brake horsepower-hour, multiplied by the brake horsepower rating for the unit of 1080, divided by 453.6 grams per pound. It can also be based upon a maximum hourly fuel usage of 35 gallons (determined by dividing the maximum Btu/hr heat input of 4.9 mmBtu/hr by a heat content of 0.140 MMBtu/gallon), multiplied by an emission factor, derived from manufacturer's data, of 0.82 pound per gallon.
   Emission limitation-

The nitrogen oxide (NOx) emissions from this emissions unit shall not exceed 57.14 tons per year (TPY), as a rolling 12-month limitation.

Applicable Compliance Method-
Compliance shall be determined by multiplying each 12-month summation of the recorded fuel usages by the emission factor, 0.82 pound per gallon, as determined in section E.1.a., and dividing by 2000 lbs/ton.
Emission Limitation-
The particulate emissions (PE) from this emissions unit shall not exceed 0.062 lb particulate/mmBtu.

Applicable Compliance Method-
Compliance shall be based upon an emission factor of 0.062 lb/mmBtu as specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2. 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-
The visible emissions from this emissions unit shall not exceed 20% opacity, as a six-minute average

Applicable Compliance Method-
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

F. **Miscellaneous Requirements**

1. The permittee is hereby notified that this permit and all agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.

2. The terms and conditions in Sections A-F of this permit are federally enforceable, pursuant to OAC rule 3745-35-07.

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

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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
3.9 mmBtu/hr Stand-by Generator (800 brake horsepower)	OAC rule 3745-17-11(B)(5)(b)	The particulate emissions (PE) from this emissions unit shall not exceed 0.062 lb particulate/mmBtu.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-35-07	The nitrogen oxide (NOx) emissions from this emissions unit shall not exceed 21.16 pounds per hour (lbs/hr) and 32.80 tons per year (TPY), as a rolling, 12-month summation.

2. **Additional Terms and Conditions**

   (a) The lbs/hr allowable emission rate was 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 this limit.

B. **Operational Restrictions**

1. The maximum diesel fuel usage for this emissions unit shall not exceed 28 gallons of diesel fuel per hour and 86,800 gallons per year based upon a rolling, 12-month summation of the fuel usage.

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

1. The permittee shall maintain monthly records of the following information:

   a. The number of gallons of diesel fuel burned for the calendar month.
   b. The number of gallons of diesel fuel burned for the rolling, 12-month summation period (beginning the 13th calendar month after the final issuance of this permit).

D. **Reporting Requirements**

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing an exceedance of the rolling, 12-month diesel fuel usage limitation. The notification should include a copy of such record and shall be sent to the Director within 30 days following the end of the month.

E. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
   Emission Limitation-
   The nitrogen oxide (NOx) emissions from this emissions unit shall not exceed 21.16 pounds per hour (lbs/hr).

   Applicable Compliance Method-
   Compliance shall be based upon the reported manufacturer's emission rate of 12 grams per brake horsepower-hour, multiplied by the brake horsepower rating for the unit of 800, divided by 453.6 grams per pound. It can also be based upon a maximum hourly fuel usage of 28 gallons (determined by dividing the maximum Btu/hr heat input of 3.9 mmBtu/hr by a heat content of 0.140 mmBtu/gallon), multiplied by an emission factor, derived from manufacturer's data, of 0.76 pound per gallon.
   Emission limitation-
   The nitrogen oxide (NOx) emissions from this emissions unit shall not exceed 32.80 tons per year (TPY), as a rolling 12-month limitation.

   Applicable Compliance Method-
   Compliance shall be determined by multiplying each 12-month summation of the recorded fuel usages by the emission factor, 0.76 pound per gallon, as determined in section E.1.a., and dividing by 2000 lbs/ton.
   Emission Limitation-
   The particulate emissions (PE) from this emissions unit shall not exceed 0.062 lb particulate/mmBtu.

   Applicable Compliance Method-
   Compliance shall be based upon an emission factor of 0.062 lb/mmBtu as specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2. 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-
   The visible emissions from this emissions unit shall not exceed 20% opacity, as a six-minute average

   Applicable Compliance Method-
   If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

F. **Miscellaneous Requirements**

1. The permittee is hereby notified that this permit and all agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.

2. The terms and conditions in Sections A-F of this permit are federally enforceable, pursuant to OAC rule 3745-35-07.