

Facility ID: 0656100042 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.

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

Facility ID: 0656100042 Emissions Unit ID: B002 Issuance type: Draft 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>
Diesel generator having a maximum rated heat input capacity of 4.4 mmBtu/hr. Diesel Fuel-Fired Engine (Unit B - B002)	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.
	OAC rule 3745-18-06	None, see Additional Term and Condition 2.b.
	OAC rule 3745-35-07	See Additional Terms and Conditions 2.a.

2. **Additional Terms and Conditions**
  - (a) The nitrogen oxides emissions from emissions units B001, B002, B003, and B006 combined shall not exceed 61.39 TPY, based upon a rolling, twelve-month summation. Pursuant to OAC rule 3745-18-06(B), this emissions unit is exempt from the emission limitation specified in OAC rule 3745-18-06(G).

**B. Operational Restrictions**

1. The maximum annual diesel fuel usage for emissions units B001, B002, B003, and B006 combined shall not exceed 141,111 gallons per year, based upon a rolling, twelve-month summation.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the usage levels specified in the following table:

Month Maximum Allowable Cumulative  
- Diesel Fuel Usage (Gallons)

- 1-1 35,278
- 1-2 47,172
- 1-3 55,066
- 1-4 64,960
- 1-5 74,854
- 1-6 84,748
- 1-7 94,642
- 1-8 104,536
- 1-9 114,430
- 1-10 124,294
- 1-11 134,188
- 1-12 141,111

After the first twelve calendar months of operation following the issuance of this permit, compliance with the annual diesel fuel usage rate limitation shall be based upon a rolling, twelve-month summation.

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

1. The permittee shall maintain records of the following information for emissions units B001, B002, B003 and B006 combined:

- a. the diesel fuel usage for each month; and
  - b. the rolling, twelve-month summation of the diesel fuel usage rates, beginning after the first 12 calendar months of operation following the issuance of this permit.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative diesel fuel usage rate for each calendar month.

**D. Reporting Requirements**

1. The permittee shall submit semi-annual deviation (excursion) reports which identify all exceedances of the rolling, twelve-month diesel fuel usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative diesel fuel usage limits. Additionally, each report shall indicate the cause of any excursion and the corrective action taken to prevent further exceedances. If no deviations (excursions) occurred during the reporting period, then a report stating so shall be submitted.

These reports shall be submitted by February 15 and August 15 of each year and shall cover the previous calendar months (July through December and January through June, respectively).

2. The permittee shall submit annual reports that specify the total NOx emissions from emissions units B001, B002, B003 and B006 combined. The reports shall be submitted by February 15 of each year and shall cover the previous calendar year.

**E. Testing Requirements**

1. Emission limitation-  
20% opacity of visible particulate emissions.

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).

2. Emission limitation-  
0.062 lb/mmBtu of particulate.

Applicable Compliance Method-  
Compliance shall be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is 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).

3. Emission Limitation:  
The nitrogen oxides emissions from emissions units B001, B002, B003, and B006 combined shall not exceed 61.39 TPY, based upon a rolling, 12 - month summation.

Applicable Compliance Method:  
NOx emissions shall be calculated by multiplying an emission factor of 6.35 lbs of nitrogen oxides/mmBtu by the heat value of the diesel fuel used (0.137 mmBtu/gal) and by the total gallons of diesel fuel used in emissions units B001, B002, B003, and B006 combined per rolling 12-month period, and then dividing by 2000. The emission factor was obtained from Cooper-Bessemer's "Average Emission Factors for Large Stationary Diesel Engines". If required, the permittee shall verify the above emission factor in accordance with Method 7, 40 CFR Part 60, Appendix A. Compliance with the diesel fuel usage restrictions will ensure compliance with the 61.39 TPY limitation for emissions units B001, B002, B003 and B006 combined.

**F. Miscellaneous Requirements**

1. Pursuant to OAC rule 3745-35-07(B)(2), terms and conditions A-F of this permit to operate shall be federally enforceable.