

Facility ID: 0855140007 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: 0855140007 Emissions Unit ID: P029 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>
Warrantee Test Lab Number 5, testing of internal combustion engine powered generators	OAC rule 3745-17-11(B)(5)(a)	0.25 pound/mmBtu particulate emission
	OAC 3745-31-05(A)(3)	5.62 lbs/hr NOx, 17.25 TPY NOx; 1.21 lbs/hr CO, 3.72 TPY CO; 0.55 lbs/hr OC, 1.68 TPY OC; 0.37 lbs/hr SO2, 1.13 TPY SO2
		The total combined emissions for P025, P026, P027, P028, and P029 not to exceed 0.96 ton/yr particulate; 17.25 ton/yr NOx; 3.72 ton/yr CO; 1.68 ton/yr OC; and 1.13 ton/yr SO2, as a rolling 12-month limit.

See A.2.3.

**2. Additional Terms and Conditions**

- (a) The maximum hourly allowable emission rates for NOx of 5.62 pounds, CO of 1.21 pounds, OC of 0.55 pound, and SO2 of 0.37 pound were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop recordkeeping and reporting requirements to ensure compliance with these terms.
- (b) The total annual allowable emission rates for emissions unit P025, P026, P027, P028, and P029 are based upon rolling, 12-month summations.
- (c) Compliance with the particulate emission limitation of 0.25 lb/mmBtu also satisfies the best available technology requirement under OAC rule 3745-31-05(A)(3).

**B. Operational Restrictions**

1. The maximum annual amount of diesel fuel combusted in this emissions unit shall not exceed 57,102 gallons, based on a rolling 12-month summation for emissions units P025, P026, P027, P028, and P029.

To ensure enforceability, beginning the 13th calendar month after the issuance of the permit to install #08-3701, issued 06/24/99, the permittee shall not exceed the diesel fuel usage specified in the following table:

Month(s) Max. Diesel Fuel Usage (in gallons)
1 4,758.50
1-2 9,517.00
1-3 14,275.50
1-4 19,034.00
1-5 23,792.50
1-6 28,551.50
1-7 33,309.50
1-8 38,068.00
1-9 42,826.50
1-10 47,585.00
1-11 52,343.50

1-12 57,102.00

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual diesel fuel limitations shall be based upon a rolling, 12-month summation of the monthly diesel fuel usage.

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

1. The permittee shall maintain monthly records of the following information:
  - a. the total number of gallons of diesel fuel burned for the calendar month; and,
  - b. the total number of gallons of diesel fuel burned for the rolling 12-month summation period (beginning the 13th calendar month after the final issuance of the permit to install, #08-3701, issued 06/24/99).

**D. Reporting Requirements**

1. The permittee shall maintain monthly records of the following information:
  - a. the total number of gallons of diesel fuel burned for the calendar month; and,
  - b. the total number of gallons of diesel fuel burned for the rolling 12-month summation period (beginning the 13th calendar month after the final issuance of the permit to install, #08-3701, issued 06/24/99).
2. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in Part 1, General Term and Condition 3.

**E. Testing Requirements**

1. Emission Limitation:  
0.25 pound particulate/mmBtu  
  
Applicable Compliance Method:  
If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(10).  
Emission Limitation:  
0.96 ton/yr particulate  
  
Applicable Compliance Method:  
Compliance shall be based on multiplying each 12 month fuel usage summation by the appropriate NEDS Source Classification Codes and Emission Factor Listing for SCC NO. 2-04-004-02 (33.5 pounds particulate/1,000 gallon fuel burned), and dividing by 2,000 pounds/ton.  
Emission Limitation:  
5.62 pounds/hour NOx  
1.21 pounds/hour CO  
0.55 pound/hour OC  
0.37 pound/hour SO2  
  
Applicable Compliance Method:  
Compliance shall be determined for each pollutant by multiplying the maximum hourly fuel usage of 9.3 gallons/hour by the heat content of the fuel (0.137 mmBtu/gallon) by the AP-42\* emission factor for each pollutant.  
  
\*As specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 3.3-1. (NOx @ 4.41 pounds/mmBtu; CO @ 0.95 pound/mmBtu; SO2 @ 0.29 pound/mmBtu; and OC @ 0.43 pound/mmBtu.  
Emission Limitation:  
17.25 ton/yr NOx  
3.72 ton/yr CO  
1.68 ton/yr OC  
1.13 ton/yr SO2  
  
Applicable Compliance Method:  
Compliance shall be determined for each pollutant by multiplying each 12-month summation of the recorded fuel usage by the heat content of the fuel (0.137 mmBtu/gallon) and the AP-42\* emission factor for diesel engines (lb/mmBtu). Each emission rate (pounds/year) is then divided by 2,000 to determine the rolling 12-month summation in tons.  
  
\*As specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 3.3-1.(NOx @ 4.41 pounds/mmBtu; CO @ 0.95 pound/mmBtu; SO2 @ 0.29 pound/mmBtu; and OC @ 0.43 pound/mmBtu.

**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.