

Facility ID: 1409000921 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: 1409000921 Emissions Unit ID: P001 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>
1000 KW peak shaving diesel generator - Dimmick pump generator	OAC rule 3745-31-05(A)(3) (PTI 14-04933)	0.6 lb of particulate emissions (PE)/hr* 0.6 lb of particulate matter with a diameter of ten microns or less (PM10)/hr* 0.3 ton of PE/year 0.3 ton of PM10/year 5.4 lbs/hr* of sulfur dioxide (SO2) 2.7 tons of SO2/year 0.9 lb of volatile organic compound (VOC)/hr* 0.5 ton of VOC/year 32.2 lbs of nitrogen oxides (NOx)/hr* 16.1 tons of NOx/year 7.4 lbs of carbon monoxide (CO)/hr* 3.7 tons of CO/year Compliance with this rule also includes compliance with OAC rules 3745-17-07(A)(1) and 3745-17-11(B)(5). See Section B.1 below. *The hourly emission limitation is based on the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with this limit.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(5)	0.062 lb of PE/mmBtu of actual heat input

2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 1,000 hours per year.
2. The permittee shall burn only diesel fuel in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records that summarize the total number of hours this emissions unit was in operation.

2. The permittee shall maintain records for each calendar year that summarize the total number of hours this emissions unit was in operation (summation of the monthly records in C.1 for the calendar year).
3. For each day during which the permittee burns a fuel other than diesel fuel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Hamilton County Department of Environmental Services that summarize the total number of hours this emissions unit was in operation during the previous calendar year. These reports shall be submitted by January 31 of each year.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than diesel fuel was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

E. Testing Requirements

1. Compliance with the emission limitations specified in Section A.1 and the operational restrictions specified in Section B shall be determined in accordance with the following methods:
 - a. Emission Limitations: 0.6 lb/hour and 0.3 ton per year of PE; 0.6 lb/hour and 0.3 ton per year of PM10; 5.4 lbs/hour and 2.7 tons per year of SO₂; 32.2 lbs/hour and 16.1 tons per year of NO_x; 7.4 lbs/hour and 3.7 tons per year of CO; 0.9 lb/hour and 0.5 ton per year of VOC

Applicable Compliance Method: Compliance with the hourly emission limitations have been determined by multiplying the maximum fuel consumption (gallons/hour) of the emission unit by the appropriate emission factor (lbs/gallon) of each constituent as specified in AP-42, Fifth Edition, Chapter 1, Tables 1.3-1, 1.3-2 and 1.3-9. Compliance with the annual emission limitations are ensured if compliance is maintained with the maximum annual operation limitation (1,000 hours) of the emissions unit.
 - b. Emission Limitation: Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method: Compliance with the visible PE limitation shall be determined using the method specified in OAC rule 3745-17-03(B)(1).
 - c. Emission Limitation: 0.062 lb of PE/mmBtu of actual heat input

Applicable Compliance Method: Compliance with the PE limitation shall be determined by using the appropriate emission factor from AP-42, "Compilation of Air Pollutant Emission Factors," Fifth Edition, or, if required, by emission testing in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).
 - d. Operational Restriction: maximum of 1,000 hours per year

Applicable Compliance Method: Compliance with the annual operational restriction shall be determined by the record keeping performed pursuant to Section C.2.
 - e. Operational Restriction: fuel use limited to diesel fuel

Applicable Compliance Method: Compliance with the fuel type restriction shall be determined by the record keeping performed pursuant to Section C.3.

F. Miscellaneous Requirements

1. None