

Facility ID: 1409000919 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: 1409000919 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 - UMC Generator #1	OAC rule 3745-31-05(A)(3) (PTI 14-04931)	0.6 lb of particulate emissions (PE)/hr* 0.6 lb of particulate matter emissions with a diameter of 10 microns or less (PM10)/hr*  0.1 ton of PE/year 0.1 ton of PM10/year  5.4 lbs/hr* of sulfur dioxide (SO2) emissions 1.4 tons of SO2 emissions/year  0.9 lb of volatile organic compound (VOC) emissions/hr* 0.2 ton of VOC emissions/year  32.2 lbs of nitrogen oxides (NOx) emissions/hr*  7.4 lbs of carbon monoxide (CO) emissions/hr* 1.8 ton of CO emissions/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 3745-31-05(D)	8 ton per year (TPY) of NOx as a rolling, 12-month summation.
	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 500 hours per year, based on a rolling, 12-month summation.

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

1. The permittee shall record and maintain each month the following information for this emissions unit:
  - a. the number of hours this emissions unit was in operation; and
  - b. the updated rolling, 12-month summation of the total number of hours this emissions unit was in operation. This shall include the information for the current month and the preceding eleven calendar months.

**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 that 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 quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month operational restriction of 500 hours.

**E. Testing Requirements**

1. Compliance with the emission limitations specified in Section A.1 shall be determined in accordance with the following methods:

a. Emission Limitations: 0.6 lb/hour and 0.1 ton/year of PE; 0.6 lb/hour and 0.1 ton/year of PM10; 5.4 lbs/hour and 1.4 tons/year of SO<sub>2</sub>; 32.2 lbs/hour and 8.0 tons/year of NO<sub>x</sub>; 7.4 lbs/hour and 1.8 tons/year of CO; 0.9 lb/hour and 0.2 ton/year of VOC

Applicable Compliance Method: Compliance with the hourly emission limitations have been determined by multiplying the maximum fuel consumption (in thousands of gallons/hour) of the emission unit by the appropriate emission factor (lbs/1,000 gallons) 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 while compliance is maintained with the annual hours of operation restriction (500 hours) for this emissions unit.

b. Emission Limitation: Visible particulate emission 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: 0.0.062 lb/mmBtu of PE 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 Limitation: maximum of 500 hours per year, based on a rolling, 12-month summation.

Applicable Compliance Method: Compliance with the annual operational limitation shall be determined by the record keeping performed pursuant to Section C.1.

**F. Miscellaneous Requirements**

1. None