

Facility ID: 0656000032 Issuance type: Title V Proposed Permit

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 III" and before "I. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

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Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

1. None

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b State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:

B003 Auxiliary Engine #21435
B004 Auxiliary Engine #21436
P801 Various fugitive VOC emission points
Z003 Condensate Tank 1
Z004 Condensate Tank 2
Z005 Condensate Tank 3
Z006 Lube Oil Tank

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a permit to install for the emissions unit.

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0656000032 Emissions Unit ID: B002 Issuance type: Title V Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
51.62 MMBtu/hr Natural Gas Fired Turbine	OAC 3745-31-05 See A.VI.	See A.II. below.
	40 CFR Part 60, Subpart GG See A.VI.	180 parts per million, by volume, (ppmv) of NOx at 15% oxygen, on a dry basis.
	OAC 3745-17-07(A) See A.VI.	See A.II. through A.V. below. Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a 6-minute average, except for one 6-minute average period in any hour when up to 60 percent opacity is permissible.
	OAC 3745-17-11(B)(4) See A.VI.	The particulate emissions from this emissions unit shall not exceed 0.040 LB PM/MMBtu of actual heat input.

2. Additional Terms and Conditions

None

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II. Operational Restrictions

1. This emissions unit shall only be fired with natural gas, except as specified in term and condition A.IV.1.
2. The fuel burned in this emissions unit shall not contain sulfur in excess of 0.8%, by weight (from 40 CFR Part 60.333(b)).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall analyze and maintain records of the fuel-bound sulfur content in accordance with the "custom schedule" approved for this facility pursuant to 40 CFR Part 60.334.
2. In accordance with USEPA guidance, the fuel-bound nitrogen content will be assumed to be zero.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency), within 30-days, of all changes in the fuel supply for this emission unit to allow for a re-examination of the "custom schedule". A substantial change in fuel quality shall be considered as a change in fuel supply. Sulfur monitoring shall be conducted weekly during the interim period when this custom schedule is being re-examined.
2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) by

submitting a report postmarked no later than the 30th day following the end of the calendar quarter for each period during which the exemption provided in 40 CFR 60.332(k) for use of an emergency fuel was fired in this emission unit. This report shall provide for each period the type of fuel, and reasons and duration for firing the emergency fuel.

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V. **Testing Requirements**

1. Compliance with the NOx emission limit shall be demonstrated through emission testing performed in accordance with the following requirements:
 - a. The emission testing shall be conducted 2.5 years after permit issuance and 6 months prior to expiration of this permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission concentration for NOx.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable NOx concentration: 40 CFR Part 60, Appendix A, Method 20. The span values shall be 300 ppm of nitrogen oxide and 21 percent oxygen. The NOx concentrations shall be determined at 30, 50, 75, and 100 percent of peak load conditions.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

2. Compliance with the visible particulate emission limitation in term and condition A.I.1. shall be determined in accordance with the test method and procedures in OAC 3745-17-03(B)(1).
3. Compliance with particulate emission limitation shall be demonstrated by using the particulate emission factor (0.0193 pound per million Btu) from "Compilation of Air Pollutant Emission Factors," Fifth Edition, AP-42, Fifth Edition, Table 3.1-2, or if required, by testing of the exhaust stack gases using methods 1-5 of 40 CFR, Part 60, Appendix A.
4. The fuel sulfur content shall be determined by the following ASTM methods for sulfur content of natural gas: ASTM D1072-80, ASTM D3031-81, ASTM D3246-81, or ASTM D4084-82 as referenced in 40 CFR Part 60.335(d).

Compliance with the fuel sulfur content limitation shall be demonstrated by the recordkeeping requirements in section A.III.1. of these terms and conditions.

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VI. **Miscellaneous Requirements**

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install number 17-726 as issued on 12-28-89:

Part III, Special Terms and Conditions: A.1. - A.V. and B.I. - B.V.

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Facility ID: 0656000032 Emissions Unit ID: B002 Issuance type: Title V Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
51.62 MMBtu/hr Natural Gas Fired Turbine	OAC 3745-31-05 See A.VI.	32.8 LBS NOx/hr, 143.7 TPY NOx 2.8 LBS CO/hr, 12.3 TPY CO 0.7 LB VOC/hr, 3.0 TPY VOC
	OAC 3745-18-06(E) See A.VI.	0.5 LB SO2/MMBtu of actual heat input.

2. Additional Terms and Conditions

None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. a. Compliance with the hourly CO and VOC emission limits shall be determined by using the following facility-provided emission factors:
 - CO - 0.054 lb/MMBtu of actual heat input
 - VOC - 0.013 lb/MMBtu of actual heat input

The hourly CO and VOC emission rates shall be determined by multiplying these emission factors by the maximum rated heat input capacity of the emissions unit (51.62 MMBtu/hr).

 - b. Compliance with the hourly NOx emission limit shall be determined by the average pounds per hour stack tested NOx emission rate.
- 2. a. Compliance with the annual NOx, CO and VOC emission limits is assumed if compliance with the allowable hourly emission rates is maintained. The annual NOx, CO and VOC emission limits are based on the maximum potential emissions (8760 hrs/yr).

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VI. Miscellaneous Requirements

None