

Facility ID: 0210000101 Issuance type: Title V Draft 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. There are fugitive VOC emissions from this facility which have been identified in the permit application and which, in aggregate, would constitute a non-insignificant source. These emissions are not currently subject to any applicable emissions limitations/control measures, but shall be included in the annual fee emission report.

(Authority for term: OAC rule 3745-78-02)

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b State Only Enforceable Section

1. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

Z001 - tank E-1, 1000-gallon used oil tank;
Z002 - tank K-1, 1500-gallon wastewater tank;
Z003 - tank P-1, 1500-gallon pipeline fluids tank; and
Z004 - parts washer/cold cleaner.

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0210000101 Emissions Unit ID: B001 Issuance type: Title V Draft 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>
B001 is a natural gas-fired turbine with a rated heat input capacity of 41.86 MMBtu/hr, which drives compressor unit 4806 for natural gas transmission	OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) from this emissions unit shall not exceed 1.6 pounds per hour and 7.0 tons per year. Sulfur dioxide (SO2) emissions from this emissions unit shall not exceed 0.03 pound per hour and 0.13 ton per year. Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 1.49 pounds per hour and 6.5 tons per year. Nitrogen oxides (NOx) emissions from this emissions unit shall not exceed 7.15 pounds per hour and 31.3 tons per year. See section A.1.2. a. NOx emissions from this emissions unit shall not exceed 42 parts per million by volume (ppmv), dry conditions, at 15% oxygen at ISO standard day conditions. See section A.1.2. b. [ISO standard day conditions means 288 degrees Kelvin, 60 percent relative humidity and 101.3 kilopascals pressure.] Carbon monoxide (CO) emissions from this emissions unit shall not exceed 12.44 pounds per hour and 54.5 tons per year. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(4) and 3745-17-07(A).
	OAC rule 3745-17-11(B)(4)	PE shall not exceed 0.040 lb/MMBtu of actual heat input.
	OAC rule 3745-17-07(A)	Visible emissions from any stack shall not exceed 20 percent opacity as a 6-minute average, except as provided by rule.
	OAC rule 3745-18-06(F)	This emissions unit is exempt from this requirement pursuant to OAC rule 3745-18-06(A).
	40 CFR Part 60, Subpart GG	See section A.1.2. c. The emission limitation established pursuant to 40 CFR Part 60, Subpart GG (150 ppmv NOx at 15% O2, dry conditions, ISO) is less restrictive than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

See section A.II.1.

2. Additional Terms and Conditions

- a. The permittee shall employ low NOx lean air combustion control burners.
- b. Per 40 CFR Part 60.335(b)(1), the use of the ISO correction is optional for lean premix stationary combustion turbines. As this emissions unit employs lean premix technology (SoLoNOx), the use of the ISO correction is optional.
- c. This emissions unit is exempt from the requirements of OAC rule 3745-18-06(F) during any calendar day in which natural gas is the only fuel burned.

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II. Operational Restrictions

1. The permittee shall not combust any fuel which contains total sulfur in excess of 0.8 percent by weight (8000 ppmw).
(Authority for term: 40 CFR Part 60.333(b) and OAC rule 3745-77-07(A)(1))
2. The permittee shall only fire natural gas as fuel in this emissions unit.
(Authority for term: OAC rule 3745-77-07(A)(1))

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III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee fires a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel fired in this emissions unit.
(Authority for term: OAC rule 3745-77-07(C)(1))
2. The permittee shall maintain the monthly records of the amount of natural gas combusted in this emissions unit, in million cubic feet, and the hours this emissions unit was operated.
(Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3))
3. The permittee shall demonstrate that the gaseous fuel employed in this emission unit meets the definition of natural gas in 40 CFR 60.334(u) by maintaining a copy of a current tariff sheet for the gaseous fuel specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less on site. Alternatively, the permittee shall sample the fuel to determine the fuel-bound sulfur content and maintain records as specified in the custom schedule approved by the Ohio EPA on May 12, 1994 (see Appendix A). If required, the fuel-bound sulfur content shall be determined as specified in 40 CFR Part 60.335(b)(10)(ii).
(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Parts 60.334(h)(3) and 60.334(i)(3))
4. The fuel-bound nitrogen content has been determined to be zero. If necessary, the fuel-bound nitrogen content shall be determined in accordance with 40 CFR Parts 60.332(a)(4) and 60.335(b)(9).
(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Parts 60.332(a)(4) and 60.335(b)(9))

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was fired in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
(Authority for term: OAC rule 3745-77-07(C)(1))
2. The permittee shall submit deviation (excursion) reports that identify each day when the permittee did not either maintain a copy of a current tariff specifying the sulfur content of the fuel on site or alternatively the custom fuel sampling schedule was not followed.
(Authority for term: OAC rule 3745-77-07(C)(1))

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V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

- b. Emission Limitation:
0.040 lb PE/MM Btu of actual heat input

Applicable Compliance Method:

Compliance may be demonstrated based upon an emission factor of 0.0019 lb/MMBTU. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.1, Table 3.1-2a (4/00) for PM (filterable).

- c. Emission Limitations:
1.6 lbs PE per hour and 7.0 tpy

Applicable Compliance Methods:

Compliance with the hourly emission limitation may be demonstrated by multiplying the emissions unit's maximum rated heat input capacity of 41.86 MMBTU/hr by the particulate emission factor of 0.0019 lb/MMBTU from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00).

Compliance with the annual emission limitation shall be demonstrated by multiplying the particulate emission factor of 0.0019 lb/MMBTU from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00) by the heat content of the natural gas (MMBtu/cubic foot), and by the actual natural gas fuel usage rate from section A.III, and then dividing by 1 ton/2000 lbs.

- d. Emission Limitations:
7.15 lbs NOx per hour and 31.3 tpy

Applicable Compliance Methods:

Compliance with the hourly emission limitation shall be based upon emissions testing. The most recent test was performed on December 3, 4 and 5, 2001. This testing demonstrated hourly NOx emissions of 5.9 pounds. Upon retesting, the most recent data which demonstrated the emissions unit is in compliance shall be used. See A.V.2.

Compliance with the annual emission limitation shall be demonstrated by multiplying the hourly NOx emissions by the annual hours of operation and by 1 ton/2000 lbs.

- e. Emission Limitations:
12.44 lbs CO per hour and 54.5 tpy

Applicable Compliance Methods:

Compliance with the hourly emission limitation shall be based upon emissions testing. The most recent test was performed on December 3, 4 and 5, 2001. This testing demonstrated hourly CO emissions of 1.5 pounds. Upon retesting, the most recent data which demonstrated the emissions unit is in compliance shall be used. See A.V.2.

Compliance with the annual emission limitation shall be demonstrated by multiplying the hourly CO emissions by the annual hours of operation and by 1 ton/2000 lbs.

- f. Emission Limitations:
0.03 lb SO2 per hour and 0.13 ton per year

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be demonstrated by multiplying the emission factor of 0.94S lb/MMBtu (where S equals the percent sulfur in the fuel) by the emissions unit's maximum rated heat input capacity of 41.86 MMBTU/hr. The emission factor was obtained from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-1 (4/00).

Compliance with the annual emission limitation shall be demonstrated by multiplying the emission factor of 0.94S lb/MMBtu (where S equals the percent sulfur in the fuel) by the emissions unit's maximum rated heat input capacity of 41.86 MMBTU/hr by the annual hours of operation and by 1 ton/2000 pounds. The emission factor was obtained from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-1 (4/00).

- g. Emission Limitation:
0.8 % SO2 by weight in the fuel

Applicable Compliance Method:

Compliance shall be demonstrated as described in section A.III.3.

- h. Emission Limitations:
1.49 lbs VOC per hour and 6.5 tons per year

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be demonstrated by multiplying the emissions unit's maximum rated heat input capacity of 41.86 MMBtu/hour by the emission factor of 0.0021 lb/MMBtu. The

emission factor was obtained from AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00).

Compliance with the annual emission limitation shall be demonstrated by multiplying the emissions unit's maximum rated heat input capacity of 41.86 MM Btu/hour by the emission factor of 0.0021 lb/MMBtu by the annual hours of operation and by 1 ton/2000 pounds. The emission factor was obtained from AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00).

- i. mission Limitation:
 - 42 ppm NO_x ppmv, dry conditions, at ISO standard day conditions
 - Applicable Compliance Method:
Compliance shall be demonstrated as specified in section A.V.2.
 - (Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-01505)
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 6 months of permit issuance and every 5 years thereafter.
 - b. The emission testing shall be conducted to demonstrate compliance with the mass emission limitations for NO_x and CO.
 - c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:
 - For NO_x, Methods 1 through 4 and 7E of 40 CFR Part 60, Appendix A.
 - For CO, Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A
 - Method 20 of 40 CFR Part 60, Appendix A shall be used to determine the nitrogen oxides and oxygen concentrations. The span values shall be 300 ppm of nitrogen oxides and 21 percent oxygen. The NO_x emissions shall be determined at 30, 50, 75, and 100 percent of the peak load condition.
 - Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.
 - d. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northeast District Office.
 - e. Not later than 30 days prior to the proposed test dates, the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA, Northeast District Office's refusal to accept the results of the emission tests.
 - f. Personnel from the Ohio EPA, Northeast District Office shall be permitted to witness the tests, 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.
 - g. A comprehensive written report on the results of the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Northeast District Office within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Northeast District Office.

(Authority for term: OAC rule 3745-77-07(C)(1))

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0210000101 Emissions Unit ID: B001 Issuance type: Title V Draft 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>
2. Additional Terms and Conditions		
1. 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. None

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VI. Miscellaneous Requirements

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0210000101 Emissions Unit ID: B002 Issuance type: Title V Draft 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>
B002 is a natural gas-fired turbine with a rated heat input capacity of 41.86 MMBtu/hr, which drives a compressor unit for natural gas transmission	OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) from this emissions unit shall not exceed 1.6 pounds per hour and 7.0 tons per year.
		Sulfur dioxide (SO ₂) emissions from this emissions unit shall not exceed 0.03 pound per hour and 0.13 ton per year.
		Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 1.49 pounds per hour and 6.5 tons per year.
		Nitrogen oxides (NO _x) emissions from this emissions unit shall not exceed 7.15 pounds per hour and 31.3 tons per year. See A.I.2.a.
		NO _x emissions from this emissions unit shall not exceed 42 parts per million by volume (ppmv), dry conditions, at 15% oxygen at ISO standard day conditions. See section A.I.2.b.
		[ISO standard day conditions means 288 degrees Kelvin, 60 percent relative humidity and 101.3 kilopascals pressure.]
	OAC rule 3745-17-11(B)(4)	Carbon monoxide (CO) emissions from this emissions unit shall not exceed 12.44 pounds per hour and 54.5 tons per year.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(4) and 3745-17-07(A). PE shall not exceed 0.040 lb/MMBtu of actual heat input.
	OAC rule 3745-18-06(F)	Visible emissions from any stack shall not exceed 20 percent opacity as a 6-minute average, except as provided by rule. This emissions unit is exempt from this requirement pursuant to OAC rule 3745-18-06(A).
	40 CFR Part 60, Subpart GG	See section A.I.2.c. The emission limitation established pursuant to 40 CFR Part 60 Subpart GG (150 ppmv NO _x at 15% O ₂ , dry conditions, ISO) is less restrictive than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
		See section A.II.1.

2. **Additional Terms and Conditions**

- a. The permittee shall employ low NO_x lean air combustion control burners.
- b. Per 40 CFR Part 60.335(b)(1), the use of the ISO correction is optional for lean premix stationary combustion turbines. As this emissions unit employs lean premix technology (SoLoNO_x), the use of the ISO correction is optional.
- c. This emissions unit is exempt from the requirements of OAC rule 3745-18-06(F) during any calendar day in which natural gas is the only fuel burned.

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II. **Operational Restrictions**

- 1. The permittee shall not combust any fuel which contains total sulfur in excess of 0.8 percent by weight (8000 ppmw).
(Authority for term: 40 CFR Part 60.333(b) and OAC rule 3745-77-07(A)(1))
- 2. The permittee shall only fire natural gas as fuel in this emissions unit.
(Authority for term: OAC rule 3745-77-07(A)(1))

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III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee fires a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel fired in this emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))
2. The permittee shall maintain the monthly records of the amount of natural gas combusted in this emissions unit, in million cubic feet, and the hours this emissions unit was operated.

(Authority for term: OAC rule 3745-77-07(C)(1) and 3745-31-05(A)(3))
3. The permittee shall demonstrate that the gaseous fuel employed in this emission unit meets the definition of natural gas in 40 CFR 60.334(u) by maintaining a copy of a current tariff sheet for the gaseous fuel specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less on site. Alternatively, the permittee shall sample the fuel to determine the fuel-bound sulfur content and maintain records as specified in the custom schedule approved by the Ohio EPA on May 12, 1994 (see Appendix A). If required, the fuel-bound sulfur content shall be determined as specified in 40 CFR Part 60.335(b)(10)(ii).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Parts 60.334(h)(3) and 60.334(i)(3))
4. The fuel-bound nitrogen content has been determined to be zero. If necessary, the fuel-bound nitrogen content shall be determined in accordance with 40 CFR Parts 60.332(a)(4) and 60.335(b)(9).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Parts 60.332(a)(4) and 60.335(b)(9))

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was fired in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

(Authority for term: OAC rule 3745-77-07(C)(1))
2. The permittee shall submit deviation (excursion) reports that identify each day when the permittee did not either maintain a copy of a current tariff specifying the sulfur content of the fuel on site or alternatively the custom fuel sampling schedule was not followed.

(Authority for term: OAC rule 3745-77-07(C)(1))

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V. Testing Requirements

1. Compliance with the emission limitations in section A.1.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
20% opacity as a 6-minute average

Applicable Compliance Method:
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
0.040 lb PE/MM Btu of actual heat input

Applicable Compliance Method:
Compliance may be demonstrated based upon an emission factor of 0.0019 lb/MMBTU. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.1, Table 3.1-2a (4/00) for PM (filterable).
 - c. Emission Limitations:
1.6 lbs PE per hour and 7.0 tpy

Applicable Compliance Methods:
Compliance with the hourly emission limitation may be demonstrated by multiplying the emissions unit's maximum rated heat input capacity of 41.86 MMBTU/hr by the particulate emission factor of 0.0019 lb/MMBTU from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00).

Compliance with the annual emission limitation shall be demonstrated by multiplying the particulate emission factor of 0.0019 lb/MMBTU from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00) by the heat content of the natural gas (MMBtu/cubic foot), and by the actual natural gas fuel usage rate from section A.III, and then dividing by 1 ton/2000 lbs.

- d. Emission Limitations:
7.15 lbs NOx per hour and 31.3 tpy
- Applicable Compliance Methods:
Compliance with the hourly emission limitation shall be based upon emissions testing. The most recent test was performed on December 3, 4 and 5, 2001. This testing demonstrated hourly NOx emissions of 5.9 pounds. Upon retesting, the most recent data which demonstrated the emissions unit is in compliance shall be used. See A.V.2.
- Compliance with the annual emission limitation shall be demonstrated by multiplying the hourly NOx emissions by the annual hours of operation and by 1 ton/2000 lbs.
- e. Emission Limitations:
12.44 lbs CO per hour and 54.5 tpy
- Applicable Compliance Methods:
Compliance with the hourly emission limitation shall be based upon emissions testing. The most recent test was performed on December 3, 4 and 5, 2001. This testing demonstrated hourly CO emissions of 1.5 pounds. Upon retesting, the most recent data which demonstrated the emissions unit is in compliance shall be used. See A.V.2.
- Compliance with the annual emission limitation shall be demonstrated by multiplying the hourly CO emissions by the annual hours of operation and by 1 ton/2000 lbs.
- f. Emission Limitations:
0.03 lb SO2 per hour and 0.13 ton per year
- Applicable Compliance Method:
Compliance with the hourly emission limitation shall be demonstrated by multiplying the emission factor of 0.94S lb/MMBtu (where S equals the percent sulfur in the fuel) by the emissions unit's maximum rated heat input capacity of 41.86 MMBTU/hr. The emission factor was obtained from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-1 (4/00).
- Compliance with the annual emission limitation shall be demonstrated by multiplying the emission factor of 0.94S lb/MMBtu (where S equals the percent sulfur in the fuel) by the emissions unit's maximum rated heat input capacity of 41.86 MMBTU/hr by the annual hours of operation and by 1 ton/2000 pounds. The emission factor was obtained from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-1 (4/00).
- g. Emission Limitation:
0.8 % SO2 by weight in the fuel
- Applicable Compliance Method:
Compliance shall be demonstrated as described in section A.III.3.
- h. Emission Limitations:
1.49 lbs VOC per hour and 6.5 tons per year
- Applicable Compliance Method:
Compliance with the hourly emission limitation shall be demonstrated by multiplying the emissions unit's maximum rated heat input capacity of 41.86 MMBtu/hour by the emission factor of 0.0021 lb/MMBtu. The emission factor was obtained from AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00).
- Compliance with the annual emission limitation shall be demonstrated by multiplying the emissions unit's maximum rated heat input capacity of 41.86 MMBtu/hour by the emission factor of 0.0021 lb/MMBtu by the annual hours of operation and by 1 ton/2000 pounds. The emission factor was obtained from AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00).
- i. Emission Limitation:
42 ppm NOx ppmv, dry conditions, at ISO standard day conditions
- Applicable Compliance Method:
Compliance shall be demonstrated as specified in section A.V.2.
- (Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-01505)
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted within 6 months of permit issuance and every 5 years thereafter.
- b. The emission testing shall be conducted to demonstrate compliance with the mass emission limitations for NOx and CO.
- c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:
For NOx, Methods 1 through 4 and 7E of 40 CFR Part 60, Appendix A.

For CO, Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A

Method 20 of 40 CFR Part 60, Appendix A shall be used to determine the nitrogen oxides and oxygen concentrations. The span values shall be 300 ppm of nitrogen oxides and 21 percent oxygen. The NOx emissions shall be determined at 30, 50, 75, and 100 percent of the peak load condition.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

- d. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northeast District Office.
- e. Not later than 30 days prior to the proposed test dates, the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA, Northeast District Office's refusal to accept the results of the emission tests.
- f. Personnel from the Ohio EPA, Northeast District Office shall be permitted to witness the tests, 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.
- g. A comprehensive written report on the results of the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Northeast District Office within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Northeast District Office.

(Authority for term: OAC rule 3745-77-07(C)(1))

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0210000101 Emissions Unit ID: B002 Issuance type: Title V Draft 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>
2. Additional Terms and Conditions		
1. 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. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0210000101 Emissions Unit ID: B004 Issuance type: Title V Draft 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>
B004 is a Waukesha auxiliary generator, Model F18GL, 778 HP (8.56 MMBtu/hour)	OAC rule 3745-31-05(A)(3) (PTI No. 02-1124)	Nitrogen oxides (NOx) emissions shall not exceed 3.43 lbs per hour.
		Carbon Monoxide (CO) emissions shall not exceed 2.22 lbs per hour.
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(5) (a) and 3745-17-07(A).
	OAC rule 3745-17-11(B)(5)(a)	0.25 lb particulate emissions (PE) per MMBtu of actual heat input.
	OAC rule 3745-17-11(B)(5)(a)	See section A.I.2.a. 0.310 lb PE per MMBtu of actual heat input.
	OAC rule 3745-17-07(A)	See section A.I.2.b. Visible emissions from any stack shall not exceed 20 percent opacity as a 6-minute average, except as provided by rule.
	OAC rule 3745-18-06(F)	This emissions unit is exempt from this requirement pursuant to OAC rule 3745-18-06(A).

See section A.I.2.c.

2. **Additional Terms and Conditions**

- a. The requirement to comply with this PE limitation shall terminate on the date the U.S. EPA approves the 0.310 lb/MMBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.
- b. This PE limitation shall be effective and federally enforceable on the date the U.S. EPA approves this PE limitation as a revision to the Ohio SIP for particulate matter.
- c. This emissions unit is exempt from the requirements of OAC rule 3745-18-06(F) during any calendar day in which natural gas is the only fuel burned.

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II. **Operational Restrictions**

1. The permittee shall only fire natural gas as fuel in this emissions unit.

(Authority for term: OAC rule 3745-77-07(A)(1))

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

1. For each day during which the permittee fires a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel fired in this emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall maintain the monthly records of the amount of natural gas combusted in this emissions unit and the hours this emissions unit was operated.

(Authority for term: OAC rule 3745-77-07(C)(1))

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IV. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was fired in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

(Authority for term: OAC rule 3745-77-07(C)(1))

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V. **Testing Requirements**

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
20% opacity as a 6-minute average

Applicable Compliance Method:
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

- b. Emission Limitations:
0.25 lb PE/MMBtu of actual heat input
0.310 lb PE/MMBtu of actual heat input

Applicable Compliance Method:
Compliance may be demonstrated based upon the facility provided emission factor of 0.010 lb/MMBTU of actual heat input. See section A.V.2.

- c. Emission Limitation:
3.43 lbs NOx per hour

Applicable Compliance Methods:
Compliance with the hourly emission limitation may be demonstrated by the use of the manufacturer's emission factor of 3.43 lbs NOx/hour.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

- d. Emission Limitation:
2.22 lbs CO per hour
- Applicable Compliance Methods:
Compliance with the hourly emission limitation may be demonstrated by the use of the manufacturer's emission factor of 2.22 lbs CO/hour.
- If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted no later than 6 months after the effective date of this permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the PE limitation of 0.25 lb/MMBtu heat input.
 - c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate:

For PE, Methods 1 through 5 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.
 - 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 Ohio EPA, Northeast District Office.
 - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Northeast District Office. 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, Northeast District Office's refusal to accept the results of the emission test(s).
 - f. Personnel from the Ohio EPA, Northeast District Office 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.
 - g. 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 Ohio EPA, Northeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Northeast District Office.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0210000101 Emissions Unit ID: B004 Issuance type: Title V Draft 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>
2.	Additional Terms and Conditions		
1.	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. None

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VI. **Miscellaneous Requirements**

1. None