

Facility ID: 0247080234 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. This facility is subject to the applicable requirements specified in OAC Chapter 3745-25. In accordance with Ohio EPA Engineering Guide #64, the emission control action programs, as specified in OAC rule 3745-25-03, shall be developed and submitted within 60 days after receiving notification from the Ohio EPA.
2. All asbestos renovation and demolition activities conducted at this facility shall be performed in accordance with the applicable requirements specified in 40 CFR Part 61 and OAC Chapter 3745-20.
3. Emissions units B001, B002 and B003 have not been operated during the past five years. Before these emissions units are granted authorization to operate, the permittee shall conduct, or have conducted, particulate, sulfur dioxide, and visible particulate emission testing for these emissions units to demonstrate compliance with the allowable mass emission rates of 0.20 lb/mmBtu actual heat input, 1.7 lbs/mmBtu actual heat input, and 20% opacity as a 6-minute average (except as provided by rule), respectively. In addition, the permittee shall comply with any applicable State and federal new source review and permitting requirements prior to the activation of these emissions units.

Compliance with allowable mass emission rate for particulates shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 5 or 17 and the procedures in 40 CFR Part 60.46 and OAC rule 3745-17-03(B)(9).

Compliance with allowable mass emission rate for sulfur dioxide shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6 and the procedures in 40 CFR Part 60.46.

Compliance with allowable mass emission rate for visible particulates shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures in OAC rule 3745-17-03(B)(1).

The tests shall be conducted while each emissions unit is operating at or near its maximum capacity. 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 units operating parameters, the time(s) and date (s) 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.

4. Emissions units K012, K015, K016, K017, K018, K026, K027, K029 and Z043 have not been operated during the past two years. Before these emissions units are granted authorization to operate, the permittee shall conduct, or have conducted, particulate, volatile organic compounds, and visible particulate emission testing for these emissions units, as applicable, to demonstrate compliance with the below listed allowable mass emission rates. In addition, the permittee shall comply with any applicable State and federal new source review and permitting requirements prior to the activation of these emissions units.

Emissions Unit	Particulate Limit	VOC Limit
K012	0.551 lb/hr	3.5 lbs/gallon, excluding water
K015	not applicable	1.2 lbs/gallon, excluding water
K016	0.73 lb/hr	2.8 lbs/gallon, excluding water
K017	2.61 lbs/hr	2.8 lbs/gallon, excluding water
K018	0.78 lb/hr	2.8 lbs/gallon, excluding water
K026	not applicable	3.5 lbs/gallon, excluding water
K027	not applicable	4.49 lbs/gallon, excluding water
Z040	not applicable	no limit
Z043	not applicable	3.5 lbs/gallon, excluding water

The visible particulate emission limit for all of the above emissions units which have a particulate emission limit listed is 20% opacity as a 6-minute average (except as provided by rule). Compliance with allowable mass emission rate for particulates shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 5 or 17 and the procedures in 40 CFR Part 60.46 and OAC rule 3745-17-03(B)(9).

Compliance with the allowable mass emission rate for VOC shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 24.

Compliance with allowable mass emission rate for visible particulates shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures in OAC rule 3745-17-03(B)(1).

The tests shall be conducted while each emissions unit is operating at or near its maximum capacity.

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 units operating parameters, the time(s) and date (s) 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.

5. Personnel from the Ohio EPA 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.

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.

6. PTI 02-4198, issued on January 25, 1989, limits the annual VOC emissions from emissions units K015, K016, K017, K018 and K019 to 1,793 tons per year.

Said PTI also limits the production of automobiles as follows:

- a. 72 jobs per hour; and
- b. 5,000 hours per year of operation.

It also requires the operation of a VOC incinerator for the bake oven emissions from emissions units K017 and K018. The incinerator shall be operated at all times during the operation of emissions units K017 and K018 and shall achieve a VOC destruction efficiency of at least 90%, by weight, at all times.

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b State Only Enforceable Section

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

G002 - Passenger Car new vehicle initial fill-up GDF
 G003 - Van new vehicle initial fill-up GDF
 G004 - Plant Pooled vehicle GDF
 G005 - Van new vehicle initial fill-up diesel fuel dispenser
 P020 - Arc Welding Booth
 P030 - Paint Kitchen
 P032 - Fine Wire Welding Booth
 P033 - E-Coat Scuff Booth
 P034 - Metal Repair & Spot Repair Booth
 P035 - Prime/Guidecoat Scuff Booth
 P036 - Tutone Topcoat Scuff Booth
 R028 - Touch-up Canopy
 T004 - 20,000-gallon Anti-freeze Storage Tank
 T005 - 15,000-gallon Break Fluid Storage Tank
 T006 - 15,000-gallon Paint & Solvent Waste Storage Tank
 T007 - 15,000-gallon Purge Solvent Waste Storage Tank
 T008 - 10,000-gallon Xylene Storage Tank
 T009 - 10,000-gallon Windshield Washer Solvent
 T010 - 10,000-gallon Diesel Fuel Storage Tank
 T011 - 10,000-gallon Diesel Fuel Storage 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: 0247080234 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>
Natural gas-fired steam boiler, having a nominal heat input capacity of 24.5 mmBtu/hr.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.
	OAC rule 3745-31-05 PTI No. 02-7727	Particulate emissions shall not exceed 0.12 lb per hour.
		Carbon monoxide emissions shall not exceed 2.06 lbs per hour.
		Nitrogen oxides emissions shall not exceed 2.94 lbs per hour.
		Sulfur dioxide emissions shall not exceed 0.015 lb per hour.
		Organic compound emissions shall not exceed 0.2 lb per hour.
		See Section A.I.2.a. below.
40 CFR Part 60, Subpart Dc OAC rule 3745-17-10(B)	See Section A.I.2.b below.	The particulate emission limitation specified in this rule is less stringent than the particulate emission limit established pursuant to OAC rule 3745-31-05.
OAC rule 3745-18-53(A)		The sulfur dioxide emission limitation specified in this rule is less stringent than the sulfur dioxide emission limit established pursuant to OAC rule 3745-31-05.
OAC rule 3745-21-08(B)		See Section A.I.2.c below.
OAC rule 3745-23-06(B)		See Section A.2.c below.

2. Additional Terms and Conditions

- a. In accordance with PTI No. 02-7727, issued on Sept. 9, 1993, the combined annual emissions resulting

from the operation of emissions units B004-B009 shall not exceed the following limits:

- (a)
 - Particulates: 1.6 tons/year
 - Carbon Monoxide: 27.3 tons/year
 - Nitrogen Oxides: 39.0 tons/year
 - Sulfur Dioxide: 0.2 ton/year
 - Organic Compounds: 2.6 tons/year
- b. So long as only natural gas fuel is burned, this emissions unit is not subject to the emission limits listed in 40 CFR Part 60, Subpart Dc.
- c. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established in PTI No. 02-7727.

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II. Operational Restrictions

1. In accordance with PTI No. 02-7727, only natural gas fuel may be burned in this emissions unit.
2. In accordance with PTI No. 02-7727, the permittee shall limit the annual, combined-total, natural gas usage in emissions units B004-B009 to 650 million cubic feet per rolling 365-day period.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:
 - a. the amount of natural gas fired in this emissions unit;
 - b. the total volume of natural gas usage in emissions units B004-B009, combined for the rolling 365-day period; and
 - c. a record of the type and quantity of any fuel, other than natural gas, that is fired in this emissions unit.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify the following:
 - a. any exceedance of the above listed, total natural gas fuel usage limitation for emissions units B004-B009; and
 - b. the burning of any fuel other than natural gas in this emissions unit.

Any such deviations shall be reported to the Ohio EPA Northeast District Office within 30 days of the permittee becoming aware of them.
2. The permittee shall submit annual reports that specify the total particulate, carbon monoxide, nitrogen oxides, organic compound and sulfur dioxide emissions from this emissions unit and emissions units B004-B009, combined, for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
 - Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.
 - Applicable Compliance Method-
 - Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation-
 - Particulate emissions shall not exceed 0.12 lb/hour.
 - Applicable Compliance Method-
 - Compliance shall be determined by multiplying an emission factor of 1.9 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03 (B)(9).

c. Emission Limitation-

Carbon monoxide emissions shall not exceed 2.06 lbs/hour.

Applicable Compliance Method-

Compliance shall be determined by multiplying an emission factor of 84.0 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 10.

d. Emission Limitation-

Nitrogen oxides emissions shall not exceed 2.94 lbs/hr.

Applicable Compliance Method-

Compliance shall be determined by multiplying an emission factor of 100.0 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 7.

e. Emission Limitation-

Sulfur dioxide emissions shall not exceed 0.015 lb/hr.

Applicable Compliance Method-

Compliance with this emission limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel. However, compliance can be determined by multiplying an emission factor of 0.6 lb/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 6.

f. Emission Limitation-

Organic compound emissions shall not exceed 0.2 lb/hr.

Applicable Compliance Method-

Compliance shall be determined by multiplying an emission factor of 5.5 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25.

g. Emission Limitations-

The combined annual emissions resulting from the operation of emissions units B004-B009 shall not exceed the following limits:

Particulates: 1.6 tons/year
Carbon Monoxide: 27.3 tons/year
Nitrogen Oxides: 39.0 tons/year
Sulfur Dioxide: 0.2 ton/year
Organic Compounds: 2.6 tons/year

Applicable Compliance Method-

Compliance shall be determined by multiplying the following emission factors by the annual, combined-total, natural gas usage for B004-B009, in millions of cubic feet, and dividing by 2,000 lbs/ton.

Particulates: 1.9 lbs/mm cu. ft.
Carbon Monoxide: 84.0 lbs/mm cu. ft.
Nitrogen Oxides: 100lbs/mm cu. ft.
Sulfur Dioxide: 0.6 lb/mm cu. ft.
Organic Compounds: 5.5 lbs/mm cu. ft.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

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VI. **Miscellaneous Requirements**

- 1. None

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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: 0247080234 Emissions Unit ID: B005 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>
Natural gas-fired steam boiler, having a nominal heat input capacity of 24.5 mmBtu/hr.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.
	OAC rule 3745-31-05 PTI No. 02-7727	Particulate emissions shall not exceed 0.12 lb per hour. Carbon monoxide emissions shall not exceed 2.06 lbs per hour. Nitrogen oxides emissions shall not exceed 2.94 lbs per hour. Sulfur dioxide emissions shall not exceed 0.015 lb per hour. Organic compound emissions shall not exceed 0.2 lb per hour.
	40 CFR Part 60, Subpart Dc	See Section A.I.2.a. below.
	OAC rule 3745-17-10(B)	See Section A.I.2.b below.
	OAC rule 3745-18-53(A)	The particulate emission limitation specified in this rule is less stringent than the particulate emission limit established pursuant to OAC rule 3745-31-05. The sulfur dioxide emission limitation specified in this rule is less stringent than the sulfur dioxide emission limit established pursuant to OAC rule 3745-31-05.
OAC rule 3745-21-08(B)	See Section A.I.2.c below.	
OAC rule 3745-23-06(B)	See Section A.2.c below.	

2. Additional Terms and Conditions

- a. In accordance with PTI No. 02-7727, issued on Sept. 9, 1993, the combined annual emissions resulting from the operation of emissions units B004-B009 shall not exceed the following limits:
 - (a)
 - Particulates: 1.6 tons/year
 - Carbon Monoxide: 27.3 tons/year
 - Nitrogen Oxides: 39.0 tons/year
 - Sulfur Dioxide: 0.2 ton/year
 - Organic Compounds: 2.6 tons/year
 - b. So long as only natural gas fuel is burned, this emissions unit is not subject to the emission limits listed in 40 CFR Part 60, Subpart Dc.
 - c. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established in PTI No. 02-7727.

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II. Operational Restrictions

1. In accordance with PTI No. 02-7727, only natural gas fuel may be burned in this emissions unit.
2. In accordance with PTI No. 02-7727, the permittee shall limit the annual, combined-total, natural gas usage in emissions units B004-B009 to 650 million cubic feet per rolling 365-day period.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:
 - a. the amount of natural gas fired in this emissions unit;
 - b. the total volume of natural gas usage in emissions units B004-B009, combined for the rolling 365-day period; and
 - c. a record of the type and quantity of any fuel, other than natural gas, that is fired in this emissions unit.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify the following:
 - a. any exceedance of the above listed, total natural gas fuel usage limitation for emissions units B004-B009; and
 - b. the burning of any fuel other than natural gas in this emissions unit.Any such deviations shall be reported to the Ohio EPA Northeast District Office within 30 days of the permittee becoming aware of them.
2. The permittee shall submit annual reports that specify the total particulate, carbon monoxide, nitrogen oxides, organic compound and sulfur dioxide emissions from this emissions unit and emissions units B004-B009, combined, for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.

Applicable Compliance Method-
Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation-
Particulate emissions shall not exceed 0.12 lb/hour.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 1.9 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03 (B)(9).
 - c. Emission Limitation-
Carbon monoxide emissions shall not exceed 2.06 lbs/hour.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 84.0 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 10.

- d. Emission Limitation-
Nitrogen oxides emissions shall not exceed 2.94 lbs/hr.
- Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 100.0 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).
- The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).
- If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 7.
- e. Emission Limitation-
Sulfur dioxide emissions shall not exceed 0.015 lb/hr.
- Applicable Compliance Method-
Compliance with this emission limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel. However, compliance can be determined by multiplying an emission factor of 0.6 lb/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).
- The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).
- If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 6.
- f. Emission Limitation-
Organic compound emissions shall not exceed 0.2 lb/hr.
- Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 5.5 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).
- The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).
- If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25.
- g. Emission Limitations-
The combined annual emissions resulting from the operation of emissions units B004-B009 shall not exceed the following limits:
- Particulates: 1.6 tons/year
Carbon Monoxide: 27.3 tons/year
Nitrogen Oxides: 39.0 tons/year
Sulfur Dioxide: 0.2 ton/year
Organic Compounds: 2.6 tons/year
- Applicable Compliance Method-
Compliance shall be determined by multiplying the following emission factors by the annual, combined-total, natural gas usage for B004-B009, in millions of cubic feet, and dividing by 2,000 lbs/ton.
- Particulates: 1.9 lbs/mm cu. ft.
Carbon Monoxide: 84.0 lbs/mm cu. ft.
Nitrogen Oxides: 100lbs/mm cu. ft.
Sulfur Dioxide: 0.6 lb/mm cu. ft.
Organic Compounds: 5.5 lbs/mm cu. ft.
- These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0247080234 Emissions Unit ID: B005 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: 0247080234 Emissions Unit ID: B006 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>
Natural gas-fired steam boiler, having a nominal heat input capacity of 24.5 mmBtu/hr.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.
	OAC rule 3745-31-05 PTI No. 02-7727	Particulate emissions shall not exceed 0.12 lb per hour.
		Carbon monoxide emissions shall not exceed 2.06 lbs per hour.
		Nitrogen oxides emissions shall not exceed 2.94 lbs per hour.
		Sulfur dioxide emissions shall not exceed 0.015 lb per hour.
		Organic compound emissions shall not exceed 0.2 lb per hour.
	40 CFR Part 60, Subpart Dc OAC rule 3745-17-10(B)	See Section A.I.2.a. below. See Section A.I.2.b below. The particulate emission limitation specified in this rule is less stringent than the particulate emission limit established pursuant to OAC rule 3745-31-05.
	OAC rule 3745-18-53(A)	The sulfur dioxide emission limitation specified in this rule is less stringent than the sulfur dioxide emission limit established pursuant to OAC rule 3745-31-05.
	OAC rule 3745-21-08(B)	See Section A.I.2.c below.
	OAC rule 3745-23-06(B)	See Section A.2.c below.

2. **Additional Terms and Conditions**

- a. In accordance with PTI No. 02-7727, issued on Sept. 9, 1993, the combined annual emissions resulting from the operation of emissions units B004-B009 shall not exceed the following limits:
 - (a)
 - Particulates: 1.6 tons/year
 - Carbon Monoxide: 27.3 tons/year
 - Nitrogen Oxides: 39.0 tons/year
 - Sulfur Dioxide: 0.2 ton/year
 - Organic Compounds: 2.6 tons/year
 - b. So long as only natural gas fuel is burned, this emissions unit is not subject to the emission limits listed in 40 CFR Part 60, Subpart Dc.
 - c. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established in PTI No. 02-7727.

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II. **Operational Restrictions**

- 1. In accordance with PTI No. 02-7727, only natural gas fuel may be burned in this emissions unit.
- 2. In accordance with PTI No. 02-7727, the permittee shall limit the annual, combined-total, natural gas usage in emissions units B004-B009 to 650 million cubic feet per rolling 365-day period.

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

- 1. The permittee shall maintain daily records of the following information:
 - a. the amount of natural gas fired in this emissions unit;
 - b. the total volume of natural gas usage in emissions units B004-B009, combined for the rolling 365-day period; and
 - c. a record of the type and quantity of any fuel, other than natural gas, that is fired in this emissions unit.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify the following:
 - a. any exceedance of the above listed, total natural gas fuel usage limitation for emissions units B004-B009; and
 - b. the burning of any fuel other than natural gas in this emissions unit.Any such deviations shall be reported to the Ohio EPA Northeast District Office within 30 days of the permittee becoming aware of them.
2. The permittee shall submit annual reports that specify the total particulate, carbon monoxide, nitrogen oxides, organic compound and sulfur dioxide emissions from this emissions unit and emissions units B004-B009, combined, for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.

Applicable Compliance Method-
Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation-
Particulate emissions shall not exceed 0.12 lb/hour.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 1.9 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03 (B)(9).
 - c. Emission Limitation-
Carbon monoxide emissions shall not exceed 2.06 lbs/hour.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 84.0 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 10.
 - d. Emission Limitation-
Nitrogen oxides emissions shall not exceed 2.94 lbs/hr.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 100.0 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 7.
 - e. Emission Limitation-
Sulfur dioxide emissions shall not exceed 0.015 lb/hr.

Applicable Compliance Method-
Compliance with this emission limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel. However, compliance can be determined by multiplying an emission factor of 0.6 lb/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air

Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 6.

- f. Emission Limitation-
Organic compound emissions shall not exceed 0.2 lb/hr.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 5.5 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25.

- g. Emission Limitations-
The combined annual emissions resulting from the operation of emissions units B004-B009 shall not exceed the following limits:

Particulates: 1.6 tons/year
Carbon Monoxide: 27.3 tons/year
Nitrogen Oxides: 39.0 tons/year
Sulfur Dioxide: 0.2 ton/year
Organic Compounds: 2.6 tons/year

Applicable Compliance Method-
Compliance shall be determined by multiplying the following emission factors by the annual, combined-total, natural gas usage for B004-B009, in millions of cubic feet, and dividing by 2,000 lbs/ton.

Particulates: 1.9 lbs/mm cu. ft.
Carbon Monoxide: 84.0 lbs/mm cu. ft.
Nitrogen Oxides: 100lbs/mm cu. ft.
Sulfur Dioxide: 0.6 lb/mm cu. ft.
Organic Compounds: 5.5 lbs/mm cu. ft.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0247080234 Emissions Unit ID: B006 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>
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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: 0247080234 Emissions Unit ID: B007 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>
Natural gas-fired steam boiler, having a nominal heat input capacity of 24.5 mmBtu/hr.	OAC rule 3745-17-07(A) OAC rule 3745-31-05 PTI No. 02-7727	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule. Particulate emissions shall not exceed 0.12 lb per hour. Carbon monoxide emissions shall not exceed 2.06 lbs per hour. Nitrogen oxides emissions shall not exceed 2.94 lbs per hour. Sulfur dioxide emissions shall not exceed 0.015 lb per hour. Organic compound emissions shall not exceed 0.2 lb

per hour.

See Section A.I.2.a. below.

40 CFR Part 60, Subpart Dc
OAC rule 3745-17-10(B)

See Section A.I.2.b below.

The particulate emission limitation specified in this rule is less stringent than the particulate emission limit established pursuant to OAC rule 3745-31-05.

OAC rule 3745-18-53(A)

The sulfur dioxide emission limitation specified in this rule is less stringent than the sulfur dioxide emission limit established pursuant to OAC rule 3745-31-05.

OAC rule 3745-21-08(B)

See Section A.I.2.c below.

OAC rule 3745-23-06(B)

See Section A.2.c below.

2. Additional Terms and Conditions

- a. In accordance with PTI No. 02-7727, issued on Sept. 9, 1993, the combined annual emissions resulting from the operation of emissions units B004-B009 shall not exceed the following limits:
 - (a)
 - Particulates: 1.6 tons/year
 - Carbon Monoxide: 27.3 tons/year
 - Nitrogen Oxides: 39.0 tons/year
 - Sulfur Dioxide: 0.2 ton/year
 - Organic Compounds: 2.6 tons/year
 - b. So long as only natural gas fuel is burned, this emissions unit is not subject to the emission limits listed in 40 CFR Part 60, Subpart Dc.
 - c. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established in PTI No. 02-7727.

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II. Operational Restrictions

1. In accordance with PTI No. 02-7727, only natural gas fuel may be burned in this emissions unit.
2. In accordance with PTI No. 02-7727, the permittee shall limit the annual, combined-total, natural gas usage in emissions units B004-B009 to 650 million cubic feet per rolling 365-day period.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:
 - a. the amount of natural gas fired in this emissions unit;
 - b. the total volume of natural gas usage in emissions units B004-B009, combined for the rolling 365-day period; and
 - c. a record of the type and quantity of any fuel, other than natural gas, that is fired in this emissions unit.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify the following:
 - a. any exceedance of the above listed, total natural gas fuel usage limitation for emissions units B004-B009; and
 - b. the burning of any fuel other than natural gas in this emissions unit.

Any such deviations shall be reported to the Ohio EPA Northeast District Office within 30 days of the permittee becoming aware of them.
2. The permittee shall submit annual reports that specify the total particulate, carbon monoxide, nitrogen oxides, organic compound and sulfur dioxide emissions from this emissions unit and emissions units B004-B009, combined, for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.

Applicable Compliance Method-
Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation-
Particulate emissions shall not exceed 0.12 lb/hour.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 1.9 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03 (B)(9).
 - c. Emission Limitation-
Carbon monoxide emissions shall not exceed 2.06 lbs/hour.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 84.0 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 10.
 - d. Emission Limitation-
Nitrogen oxides emissions shall not exceed 2.94 lbs/hr.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 100.0 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 7.
 - e. Emission Limitation-
Sulfur dioxide emissions shall not exceed 0.015 lb/hr.

Applicable Compliance Method-
Compliance with this emission limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel. However, compliance can be determined by multiplying an emission factor of 0.6 lb/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 6.
 - f. Emission Limitation-
Organic compound emissions shall not exceed 0.2 lb/hr.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 5.5 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25.
 - g. Emission Limitations-
The combined annual emissions resulting from the operation of emissions units B004-B009 shall not

exceed the following limits:

Particulates: 1.6 tons/year
 Carbon Monoxide: 27.3 tons/year
 Nitrogen Oxides: 39.0 tons/year
 Sulfur Dioxide: 0.2 ton/year
 Organic Compounds: 2.6 tons/year

Applicable Compliance Method-
 Compliance shall be determined by multiplying the following emission factors by the annual, combined-total, natural gas usage for B004-B009, in millions of cubic feet, and dividing by 2,000 lbs/ton.

Particulates: 1.9 lbs/mm cu. ft.
 Carbon Monoxide: 84.0 lbs/mm cu. ft.
 Nitrogen Oxides: 100lbs/mm cu. ft.
 Sulfur Dioxide: 0.6 lb/mm cu. ft.
 Organic Compounds: 5.5 lbs/mm cu. ft.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

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VI. **Miscellaneous Requirements**

- 1. None

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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: 0247080234 Emissions Unit ID: B008 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>
Natural gas-fired steam boiler, having a nominal heat input capacity of 24.5 mmBtu/hr.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.
	OAC rule 3745-31-05 PTI No. 02-7727	Particulate emissions shall not exceed 0.12 lb per hour.
		Carbon monoxide emissions shall not exceed 2.06 lbs per hour.
		Nitrogen oxides emissions shall not exceed 2.94 lbs per hour.
		Sulfur dioxide emissions shall not exceed 0.015 lb per hour.
		Organic compound emissions shall not exceed 0.2 lb per hour.
	40 CFR Part 60, Subpart Dc	See Section A.I.2.a. below.
	OAC rule 3745-17-10(B)	See Section A.I.2.b below.
	OAC rule 3745-18-53(A)	The particulate emission limitation specified in this rule is less stringent than the particulate emission limit established pursuant to OAC rule 3745-31-05.
	OAC rule 3745-21-08(B)	The sulfur dioxide emission limitation specified in this rule is less stringent than the sulfur dioxide emission limit established pursuant to OAC rule 3745-31-05.
	OAC rule 3745-23-06(B)	See Section A.I.2.c below.
		See Section A.2.c below.

2. **Additional Terms and Conditions**

- a. In accordance with PTI No. 02-7727, issued on Sept. 9, 1993, the combined annual emissions resulting from the operation of emissions units B004-B009 shall not exceed the following limits:

- (a)
 - Particulates: 1.6 tons/year
 - Carbon Monoxide: 27.3 tons/year

Nitrogen Oxides: 39.0 tons/year
Sulfur Dioxide: 0.2 ton/year
Organic Compounds: 2.6 tons/year

- b. So long as only natural gas fuel is burned, this emissions unit is not subject to the emission limits listed in 40 CFR Part 60, Subpart Dc.
- c. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established in PTI No. 02-7727.

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II. Operational Restrictions

1. In accordance with PTI No. 02-7727, only natural gas fuel may be burned in this emissions unit.
2. In accordance with PTI No. 02-7727, the permittee shall limit the annual, combined-total, natural gas usage in emissions units B004-B009 to 650 million cubic feet per rolling 365-day period.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:
 - a. the amount of natural gas fired in this emissions unit;
 - b. the total volume of natural gas usage in emissions units B004-B009, combined for the rolling 365-day period; and
 - c. a record of the type and quantity of any fuel, other than natural gas, that is fired in this emissions unit.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify the following:
 - a. any exceedance of the above listed, total natural gas fuel usage limitation for emissions units B004-B009; and
 - b. the burning of any fuel other than natural gas in this emissions unit.

Any such deviations shall be reported to the Ohio EPA Northeast District Office within 30 days of the permittee becoming aware of them.
2. The permittee shall submit annual reports that specify the total particulate, carbon monoxide, nitrogen oxides, organic compound and sulfur dioxide emissions from this emissions unit and emissions units B004-B009, combined, for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.

Applicable Compliance Method-
Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation-
Particulate emissions shall not exceed 0.12 lb/hour.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 1.9 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).

c. Emission Limitation-

Carbon monoxide emissions shall not exceed 2.06 lbs/hour.

Applicable Compliance Method-

Compliance shall be determined by multiplying an emission factor of 84.0 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 10.

d. Emission Limitation-

Nitrogen oxides emissions shall not exceed 2.94 lbs/hr.

Applicable Compliance Method-

Compliance shall be determined by multiplying an emission factor of 100.0 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 7.

e. Emission Limitation-

Sulfur dioxide emissions shall not exceed 0.015 lb/hr.

Applicable Compliance Method-

Compliance with this emission limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel. However, compliance can be determined by multiplying an emission factor of 0.6 lb/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 6.

f. Emission Limitation-

Organic compound emissions shall not exceed 0.2 lb/hr.

Applicable Compliance Method-

Compliance shall be determined by multiplying an emission factor of 5.5 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25.

g. Emission Limitations-

The combined annual emissions resulting from the operation of emissions units B004-B009 shall not exceed the following limits:

Particulates: 1.6 tons/year
Carbon Monoxide: 27.3 tons/year
Nitrogen Oxides: 39.0 tons/year
Sulfur Dioxide: 0.2 ton/year
Organic Compounds: 2.6 tons/year

Applicable Compliance Method-

Compliance shall be determined by multiplying the following emission factors by the annual, combined-total, natural gas usage for B004-B009, in millions of cubic feet, and dividing by 2,000 lbs/ton.

Particulates: 1.9 lbs/mm cu. ft.
Carbon Monoxide: 84.0 lbs/mm cu. ft.
Nitrogen Oxides: 100lbs/mm cu. ft.
Sulfur Dioxide: 0.6 lb/mm cu. ft.
Organic Compounds: 5.5 lbs/mm cu. ft.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0247080234 Emissions Unit ID: B008 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: 0247080234 Emissions Unit ID: B009 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>
Natural gas-fired steam boiler, having a nominal heat input capacity of 24.5 mmBtu/hr.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.
	OAC rule 3745-31-05 PTI No. 02-7727	Particulate emissions shall not exceed 0.12 lb per hour.
		Carbon monoxide emissions shall not exceed 2.06 lbs per hour.
		Nitrogen oxides emissions shall not exceed 2.94 lbs per hour.
		Sulfur dioxide emissions shall not exceed 0.015 lb per hour.
		Organic compound emissions shall not exceed 0.2 lb per hour.
	40 CFR Part 60, Subpart Dc	See Section A.I.2.a. below.
	OAC rule 3745-17-10(B)	See Section A.I.2.b below.
	OAC rule 3745-18-53(A)	The particulate emission limitation specified in this rule is less stringent than the particulate emission limit established pursuant to OAC rule 3745-31-05.
	OAC rule 3745-21-08(B)	The sulfur dioxide emission limitation specified in this rule is less stringent than the sulfur dioxide emission limit established pursuant to OAC rule 3745-31-05.
	OAC rule 3745-23-06(B)	See Section A.I.2.c below.
		See Section A.2.c below.

2. Additional Terms and Conditions

- a. In accordance with PTI No. 02-7727, issued on Sept. 9, 1993, the combined annual emissions resulting from the operation of emissions units B004-B009 shall not exceed the following limits:
 - (a)
 - Particulates: 1.6 tons/year
 - Carbon Monoxide: 27.3 tons/year
 - Nitrogen Oxides: 39.0 tons/year
 - Sulfur Dioxide: 0.2 ton/year
 - Organic Compounds: 2.6 tons/year
 - b. So long as only natural gas fuel is burned, this emissions unit is not subject to the emission limits listed in 40 CFR Part 60, Subpart Dc.
 - c. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established in PTI No. 02-7727.

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II. Operational Restrictions

1. In accordance with PTI No. 02-7727, only natural gas fuel may be burned in this emissions unit.
2. In accordance with PTI No. 02-7727, the permittee shall limit the annual, combined-total, natural gas usage in emissions units B004-B009 to 650 million cubic feet per rolling 365-day period.

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

1. The permittee shall maintain daily records of the following information:
 - a. the amount of natural gas fired in this emissions unit;
 - b. the total volume of natural gas usage in emissions units B004-B009, combined for the rolling 365-day period; and
 - c. a record of the type and quantity of any fuel, other than natural gas, that is fired in this emissions unit.

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IV. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify the following:
 - a. any exceedance of the above listed, total natural gas fuel usage limitation for emissions units B004-B009; and
 - b. the burning of any fuel other than natural gas in this emissions unit.

Any such deviations shall be reported to the Ohio EPA Northeast District Office within 30 days of the permittee becoming aware of them.
2. The permittee shall submit annual reports that specify the total particulate, carbon monoxide, nitrogen oxides, organic compound and sulfur dioxide emissions from this emissions unit and emissions units B004-B009, combined, for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.

Applicable Compliance Method-
Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation-
Particulate emissions shall not exceed 0.12 lb/hour.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 1.9 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03 (B)(9).
 - c. Emission Limitation-
Carbon monoxide emissions shall not exceed 2.06 lbs/hour.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 84.0 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 10.
 - d. Emission Limitation-
Nitrogen oxides emissions shall not exceed 2.94 lbs/hr.

Applicable Compliance Method-

Compliance shall be determined by multiplying an emission factor of 100.0 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 7.

- e. Emission Limitation-
Sulfur dioxide emissions shall not exceed 0.015 lb/hr.

Applicable Compliance Method-
Compliance with this emission limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel. However, compliance can be determined by multiplying an emission factor of 0.6 lb/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 6.

- f. Emission Limitation-
Organic compound emissions shall not exceed 0.2 lb/hr.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 5.5 lbs/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (.0245 mm cu. ft./hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25.

- g. Emission Limitations-
The combined annual emissions resulting from the operation of emissions units B004-B009 shall not exceed the following limits:

Particulates: 1.6 tons/year
Carbon Monoxide: 27.3 tons/year
Nitrogen Oxides: 39.0 tons/year
Sulfur Dioxide: 0.2 ton/year
Organic Compounds: 2.6 tons/year

Applicable Compliance Method-
Compliance shall be determined by multiplying the following emission factors by the annual, combined-total, natural gas usage for B004-B009, in millions of cubic feet, and dividing by 2,000 lbs/ton.

Particulates: 1.9 lbs/mm cu. ft.
Carbon Monoxide: 84.0 lbs/mm cu. ft.
Nitrogen Oxides: 100lbs/mm cu. ft.
Sulfur Dioxide: 0.6 lb/mm cu. ft.
Organic Compounds: 5.5 lbs/mm cu. ft.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0247080234 Emissions Unit ID: B009 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>
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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: 0247080234 Emissions Unit ID: B010 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>
Diesel Engine & Generator Set No. 1. The stationary internal combustion engine's nominal heat input capacity is 15.81 mmBtu/hr and rating is 2,598 HP, the generator's electric power output rating is 1,825 KW.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.
	OAC rule 3745-31-05 PTI No. 02-8386	Carbon monoxide emissions shall not exceed 13.45 lbs per hour.
		Nitrogen oxides emissions shall not exceed 59.18 lbs per hour.
		Organic compound emissions shall not exceed 1.43 lbs per hour.
		Particulate emissions shall not exceed 0.98 lb per hour.
		Sulfur dioxide emissions shall not exceed 7.9 lbs per hour.
OAC rule 3745-17-11(B)(5)	See Section A.I.2.a. below.	
	Particulate emissions shall not exceed and 0.062 lb/mmBtu, actual heat input.	
	See Section A.I.2.c. below.	
	Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu, actual heat input.	
OAC rule 3745-21-08(B) OAC rule 3745-23-06(B)	See Section A.I.2.b. below.	
	See Section A.I.2.b. below.	

2. Additional Terms and Conditions

- a. In accordance with PTI No. 02-8386, issued on August 3, 1994, the combined annual emissions resulting from the operation of emissions units B010-B015 shall not exceed the following limits:
 - (a)
 - Particulates: 2.61 tons/year
 - Carbon Monoxide: 5.9 tons/year
 - Nitrogen Oxides: 39.06 tons/year
 - Sulfur Dioxide: 5.21 tons/year
 - Organic Compounds: 0.61 ton/year
 - b. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established in PTI No. 02-8386.
 - c. The emission limitation specified in this rule citation has been revised based upon a change in the applicable emission factor contained in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors. The revised rule was adopted by the Director of Ohio EPA in December, 1997. The USEPA has agreed to consider this revised rule as federally enforceable during the time from the effective date of this permit to the effective date of USEPA approval of this limitation as a revision to the Ohio SIP for particulate matter.

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II. Operational Restrictions

- 1. In accordance with PTI No. 02-8386, the permittee shall limit the total diesel fuel usage in emissions units B010-B015 combined, to 162,096 gallons per rolling 365-day period.
- 2. The quality of the diesel fuel burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb sulfur dioxide per mmBtu, actual heat input.

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III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall maintain daily records of the following information:
 - a. the amount of diesel fuel fired in this emissions unit;
 - b. the total volume of diesel fuel usage in emissions units B010-B015 combined, for the rolling 365-day period; and

- c. a record of the type and quantity of any fuel, other than diesel fuel, that is fired in this emissions unit.
2. The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)). Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the daily samples during a calendar month.

3. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

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IV. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify the following:
- any exceedance of the diesel fuel usage limitation for emissions units B010-B015; and
 - the burning of any fuel other than diesel fuel in this emissions unit.
- Any such deviations shall be reported to the Ohio EPA Northeast District Office within 30 days of the permittee becoming aware of them.
2. The permittee shall submit annual reports that specify the total particulate, carbon monoxide, nitrogen oxides, organic compound and sulfur dioxide emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):
- Emission Limitation-
Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.

Applicable Compliance Method-
Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - Emission Limitation-
Particulate emissions shall not exceed 0.062 lb/mmBtu, actual heat input and 0.98 lb/hr.

Applicable Compliance Method-
Compliance with the hourly limit shall be determined by multiplying an emission factor of 0.062 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor for total filterable particulate is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03 (B)(9).

- c. Emission Limitation-
Carbon monoxide emissions shall not exceed 13.45 lbs/hour.
- Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 0.85 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81mmBtu/hr).
- The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).
- If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 10.
- d. Emission Limitation-
Nitrogen oxides emissions shall not exceed 59.18 lbs/hr.
- Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 3.2 lbs/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).
- The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).
- If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 7.
- e. Emission Limitation-
Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu, actual heat input, and 7.9 lbs/hr.
- Applicable Compliance Method-
Except as provided below, compliance with the allowable sulfur dioxide emission limitation, in lbs/mmBtu, shall be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.
- If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis or if the sulfur content of each daily sample collected during a calendar month does not comply with the allowable emission limitation on an "as-burned" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the shipments or daily samples of oil during the calendar month.
- Compliance with the hourly emission rate shall be determined by multiplying the calculated sulfur dioxide emission rate in lbs/mmBtu by the emissions unit's maximum hourly heat input rate (15.81mmBtu/hr).
- The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).
- If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 6.
- f. Emission Limitation-
Organic compound emissions shall not exceed 1.43 lbs/hr.
- Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 0.09 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).
- The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).
- If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25.
- g. Emission Limitations-
The combined annual emissions resulting from the operation of emissions units B010-B015 shall not exceed the following limits:
- Particulates: 2.61 tons/year
Carbon Monoxide: 5.9 tons/year
Nitrogen Oxides: 39.06 tons/year
Sulfur Dioxide: 5.21 tons/year
Organic Compounds: 0.61 ton/year
- Applicable Compliance Method-
Compliance shall be determined by multiplying the following emission factors by the annual total, diesel fuel usage for B010-B015 combined, in gallons, times the assumed diesel fuel heat content of 137,030 Btu/gallon, divided by 1.0 million and 2,000 lbs/ton.
- Particulates: 0.062 lb/mmBtu
Carbon Monoxide: 0.85 lb/mmBtu
Nitrogen Oxides: 3.2 lbs/mmBtu
Sulfur Dioxide: see below note

Organic Compounds: 0.09 lb/mmBtu

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

Note: the sulfur dioxide emission factor, in lbs/mmBtu, shall be calculated using an annual average that is based upon the above diesel fuel record keeping requirements.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0247080234 Emissions Unit ID: B010 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: 0247080234 Emissions Unit ID: B011 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>
Diesel Engine & Generator Set No. 1. The stationary internal combustion engine's nominal heat input capacity is 15.81 mmBtu/hr and rating is 2,598 HP, the generator's electric power output rating is 1,825 KW.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.
	OAC rule 3745-31-05 PTI No. 02-8386	Carbon monoxide emissions shall not exceed 13.45 lbs per hour.
		Nitrogen oxides emissions shall not exceed 59.18 lbs per hour.
		Organic compound emissions shall not exceed 1.43 lbs per hour.
		Particulate emissions shall not exceed 0.98 lb per hour.
		Sulfur dioxide emissions shall not exceed 7.9 lbs per hour.
OAC rule 3745-17-11(B)(5)	See Section A.I.2.a. below.	
	Particulate emissions shall not exceed and 0.062 lb/mmBtu, actual heat input.	
	See Section A.I.2.c. below.	
OAC rule 3745-18-06(F)	Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu, actual heat input.	
OAC rule 3745-21-08(B)	See Section A.I.2.b. below.	
OAC rule 3745-23-06(B)	See Section A.I.2.b. below.	

2. Additional Terms and Conditions

- a. In accordance with PTI No. 02-8386, issued on August 3, 1994, the combined annual emissions resulting from the operation of emissions units B010-B015 shall not exceed the following limits:
 - (a)
 - Particulates: 2.61 tons/year
 - Carbon Monoxide: 5.9 tons/year
 - Nitrogen Oxides: 39.06 tons/year
 - Sulfur Dioxide: 5.21 tons/year
 - Organic Compounds: 0.61 ton/year
 - b. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established in PTI No. 02-8386.
 - c. The emission limitation specified in this rule citation has been revised based upon a change in the applicable emission factor contained in USEPA reference document AP-42, Fifth Edition, Compilation

of Air Pollution Emission Factors. The revised rule was adopted by the Director of Ohio EPA in December, 1997. The USEPA has agreed to consider this revised rule as federally enforceable during the time from the effective date of this permit to the effective date of USEPA approval of this limitation as a revision to the Ohio SIP for particulate matter.

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II. Operational Restrictions

1. In accordance with PT1 No. 02-8386, the permittee shall limit the total diesel fuel usage in emissions units B010-B015 combined, to 162,096 gallons per rolling 365-day period.
2. The quality of the diesel fuel burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb sulfur dioxide per mmBtu, actual heat input.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:
 - a. the amount of diesel fuel fired in this emissions unit;
 - b. the total volume of diesel fuel usage in emissions units B010-B015 combined, for the rolling 365-day period; and
 - c. a record of the type and quantity of any fuel, other than diesel fuel, that is fired in this emissions unit.
2. The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the daily samples during a calendar month.

3. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify the following:
 - a. any exceedance of the diesel fuel usage limitation for emissions units B010-B015; and
 - b. the burning of any fuel other than diesel fuel in this emissions unit.Any such deviations shall be reported to the Ohio EPA Northeast District Office within 30 days of the permittee becoming aware of them.
2. The permittee shall submit annual reports that specify the total particulate, carbon monoxide, nitrogen oxides, organic compound and sulfur dioxide emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. **Emission Limitation-**
Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.

Applicable Compliance Method-
Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - b. **Emission Limitation-**
Particulate emissions shall not exceed 0.062 lb/mmBtu, actual heat input and 0.98 lb/hr.

Applicable Compliance Method-
Compliance with the hourly limit shall be determined by multiplying an emission factor of 0.062 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor for total filterable particulate is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03 (B)(9).
 - c. **Emission Limitation-**
Carbon monoxide emissions shall not exceed 13.45 lbs/hour.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 0.85 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 10.
 - d. **Emission Limitation-**
Nitrogen oxides emissions shall not exceed 59.18 lbs/hr.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 3.2 lbs/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 7.
 - e. **Emission Limitation-**
Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu, actual heat input, and 7.9 lbs/hr.

Applicable Compliance Method-
Except as provided below, compliance with the allowable sulfur dioxide emission limitation, in lbs/mmBtu, shall be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis or if the sulfur content of each daily sample collected during a calendar month does not comply with the allowable emission limitation on an "as-burned" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the shipments or daily samples of oil during the calendar month.

Compliance with the hourly emission rate shall be determined by multiplying the calculated sulfur dioxide emission rate in lbs/mmBtu by the emissions unit's maximum hourly heat input rate (15.81mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 6.
 - f. **Emission Limitation-**
Organic compound emissions shall not exceed 1.43 lbs/hr.

Applicable Compliance Method-

Compliance shall be determined by multiplying an emission factor of 0.09 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25.

g. Emission Limitations-

The combined annual emissions resulting from the operation of emissions units B010-B015 shall not exceed the following limits:

- Particulates: 2.61 tons/year
- Carbon Monoxide: 5.9 tons/year
- Nitrogen Oxides: 39.06 tons/year
- Sulfur Dioxide: 5.21 tons/year
- Organic Compounds: 0.61 ton/year

Applicable Compliance Method-

Compliance shall be determined by multiplying the following emission factors by the annual total, diesel fuel usage for B010-B015 combined, in gallons, times the assumed diesel fuel heat content of 137,030 Btu/gallon, divided by 1.0 million and 2,000 lbs/ton.

- Particulates: 0.062 lb/mmBtu
- Carbon Monoxide: 0.85 lb/mmBtu
- Nitrogen Oxides: 3.2 lbs/mmBtu
- Sulfur Dioxide: see below note
- Organic Compounds: 0.09 lb/mmBtu

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

Note: the sulfur dioxide emission factor, in lbs/mmBtu, shall be calculated using an annual average that is based upon the above diesel fuel record keeping requirements.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0247080234 Emissions Unit ID: B011 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: 0247080234 Emissions Unit ID: B012 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>
Diesel Engine & Generator Set No. 1. The stationary internal combustion engine's nominal heat input capacity is 15.81 mmBtu/hr and rating is 2,598 HP, the generator's electric power output rating is 1,825 KW.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.
	OAC rule 3745-31-05 PTI No. 02-8386	Carbon monoxide emissions shall not exceed 13.45 lbs per hour.
		Nitrogen oxides emissions shall not exceed 59.18 lbs per hour.
		Organic compound emissions shall not exceed 1.43 lbs per hour.
		Particulate emissions shall not exceed 0.98 lb per hour.
		Sulfur dioxide emissions shall not exceed 7.9 lbs per hour.

OAC rule 3745-17-11(B)(5)	See Section A.I.2.a. below. Particulate emissions shall not exceed and 0.062 lb/mmBtu, actual heat input.
OAC rule 3745-18-06(F)	See Section A.I.2.c. below. Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu, actual heat input.
OAC rule 3745-21-08(B)	See Section A.I.2.b. below.
OAC rule 3745-23-06(B)	See Section A.I.2.b. below.

2. Additional Terms and Conditions

- a. In accordance with PTI No. 02-8386, issued on August 3, 1994, the combined annual emissions resulting from the operation of emissions units B010-B015 shall not exceed the following limits:
 - (a)
 - Particulates: 2.61 tons/year
 - Carbon Monoxide: 5.9 tons/year
 - Nitrogen Oxides: 39.06 tons/year
 - Sulfur Dioxide: 5.21 tons/year
 - Organic Compounds: 0.61 ton/year
 - b. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established in PTI No. 02-8386.
 - c. The emission limitation specified in this rule citation has been revised based upon a change in the applicable emission factor contained in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors. The revised rule was adopted by the Director of Ohio EPA in December, 1997. The USEPA has agreed to consider this revised rule as federally enforceable during the time from the effective date of this permit to the effective date of USEPA approval of this limitation as a revision to the Ohio SIP for particulate matter.

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II. Operational Restrictions

- 1. In accordance with PTI No. 02-8386, the permittee shall limit the total diesel fuel usage in emissions units B010-B015 combined, to 162,096 gallons per rolling 365-day period.
- 2. The quality of the diesel fuel burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb sulfur dioxide per mmBtu, actual heat input.

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III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall maintain daily records of the following information:
 - a. the amount of diesel fuel fired in this emissions unit;
 - b. the total volume of diesel fuel usage in emissions units B010-B015 combined, for the rolling 365-day period; and
 - c. a record of the type and quantity of any fuel, other than diesel fuel, that is fired in this emissions unit.
- 2. The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat

content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)). Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the daily samples during a calendar month.

3. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify the following:
 - a. any exceedance of the diesel fuel usage limitation for emissions units B010-B015; and
 - b. the burning of any fuel other than diesel fuel in this emissions unit.

Any such deviations shall be reported to the Ohio EPA Northeast District Office within 30 days of the permittee becoming aware of them.
2. The permittee shall submit annual reports that specify the total particulate, carbon monoxide, nitrogen oxides, organic compound and sulfur dioxide emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.

Applicable Compliance Method-
Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation-
Particulate emissions shall not exceed 0.062 lb/mmBtu, actual heat input and 0.98 lb/hr.

Applicable Compliance Method-
Compliance with the hourly limit shall be determined by multiplying an emission factor of 0.062 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor for total filterable particulate is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03 (B)(9).
 - c. Emission Limitation-
Carbon monoxide emissions shall not exceed 13.45 lbs/hour.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 0.85 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 10.
 - d. Emission Limitation-
Nitrogen oxides emissions shall not exceed 59.18 lbs/hr.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 3.2 lbs/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with

40 CFR Part 60, Appendix A, Method 7.

e. Emission Limitation-

Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu, actual heat input, and 7.9 lbs/hr.

Applicable Compliance Method-

Except as provided below, compliance with the allowable sulfur dioxide emission limitation, in lbs/mmBtu, shall be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis or if the sulfur content of each daily sample collected during a calendar month does not comply with the allowable emission limitation on an "as-burned" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the shipments or daily samples of oil during the calendar month.

Compliance with the hourly emission rate shall be determined by multiplying the calculated sulfur dioxide emission rate in lbs/mmBtu by the emissions unit's maximum hourly heat input rate (15.81mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 6.

f. Emission Limitation-

Organic compound emissions shall not exceed 1.43 lbs/hr.

Applicable Compliance Method-

Compliance shall be determined by multiplying an emission factor of 0.09 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25.

g. Emission Limitations-

The combined annual emissions resulting from the operation of emissions units B010-B015 shall not exceed the following limits:

Particulates: 2.61 tons/year
Carbon Monoxide: 5.9 tons/year
Nitrogen Oxides: 39.06 tons/year
Sulfur Dioxide: 5.21 tons/year
Organic Compounds: 0.61 ton/year

Applicable Compliance Method-

Compliance shall be determined by multiplying the following emission factors by the annual total, diesel fuel usage for B010-B015 combined, in gallons, times the assumed diesel fuel heat content of 137,030 Btu/gallon, divided by 1.0 million and 2,000 lbs/ton.

Particulates: 0.062 lb/mmBtu
Carbon Monoxide: 0.85 lb/mmBtu
Nitrogen Oxides: 3.2 lbs/mmBtu
Sulfur Dioxide: see below note
Organic Compounds: 0.09 lb/mmBtu

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

Note: the sulfur dioxide emission factor, in lbs/mmBtu, shall be calculated using an annual average that is based upon the above diesel fuel record keeping requirements.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0247080234 Emissions Unit ID: B012 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: 0247080234 Emissions Unit ID: B013 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>
Diesel Engine & Generator Set No. 1. The stationary internal combustion engine's nominal heat input capacity is 15.81 mmBtu/hr and rating is 2,598 HP, the generator's electric power output rating is 1,825 KW.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.
	OAC rule 3745-31-05 PTI No. 02-8386	Carbon monoxide emissions shall not exceed 13.45 lbs per hour. Nitrogen oxides emissions shall not exceed 59.18 lbs per hour. Organic compound emissions shall not exceed 1.43 lbs per hour. Particulate emissions shall not exceed 0.98 lb per hour. Sulfur dioxide emissions shall not exceed 7.9 lbs per hour.
	OAC rule 3745-17-11(B)(5)	See Section A.I.2.a. below. Particulate emissions shall not exceed and 0.062 lb/mmBtu, actual heat input.
	OAC rule 3745-18-06(F)	See Section A.I.2.c. below. Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu, actual heat input.
	OAC rule 3745-21-08(B) OAC rule 3745-23-06(B)	See Section A.I.2.b. below. See Section A.I.2.b. below.

2. **Additional Terms and Conditions**

- a. In accordance with PTI No. 02-8386, issued on August 3, 1994, the combined annual emissions resulting from the operation of emissions units B010-B015 shall not exceed the following limits:
 - (a)
 - Particulates: 2.61 tons/year
 - Carbon Monoxide: 5.9 tons/year
 - Nitrogen Oxides: 39.06 tons/year
 - Sulfur Dioxide: 5.21 tons/year
 - Organic Compounds: 0.61 ton/year
 - b. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established in PTI No. 02-8386.
 - c. The emission limitation specified in this rule citation has been revised based upon a change in the applicable emission factor contained in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors. The revised rule was adopted by the Director of Ohio EPA in December, 1997. The USEPA has agreed to consider this revised rule as federally enforceable during the time from the effective date of this permit to the effective date of USEPA approval of this limitation as a revision to the Ohio SIP for particulate matter.

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II. **Operational Restrictions**

1. In accordance with PTI No. 02-8386, the permittee shall limit the total diesel fuel usage in emissions units B010-B015 combined, to 162,096 gallons per rolling 365-day period.
2. The quality of the diesel fuel burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb sulfur dioxide per mmBtu, actual heat input.

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

1. The permittee shall maintain daily records of the following information:

- a. the amount of diesel fuel fired in this emissions unit;
 - b. the total volume of diesel fuel usage in emissions units B010-B015 combined, for the rolling 365-day period; and
 - c. a record of the type and quantity of any fuel, other than diesel fuel, that is fired in this emissions unit.
2. The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the daily samples during a calendar month.

3. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify the following:
 - a. any exceedance of the diesel fuel usage limitation for emissions units B010-B015; and
 - b. the burning of any fuel other than diesel fuel in this emissions unit.

Any such deviations shall be reported to the Ohio EPA Northeast District Office within 30 days of the permittee becoming aware of them.
2. The permittee shall submit annual reports that specify the total particulate, carbon monoxide, nitrogen oxides, organic compound and sulfur dioxide emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.

Applicable Compliance Method-
Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation-
Particulate emissions shall not exceed 0.062 lb/mmBtu, actual heat input and 0.98 lb/hr.

Applicable Compliance Method-
Compliance with the hourly limit shall be determined by multiplying an emission factor of 0.062 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor for total filterable particulate is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03 (B)(9).

c. Emission Limitation-

Carbon monoxide emissions shall not exceed 13.45 lbs/hour.

Applicable Compliance Method-

Compliance shall be determined by multiplying an emission factor of 0.85 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 10.

d. Emission Limitation-

Nitrogen oxides emissions shall not exceed 59.18 lbs/hr.

Applicable Compliance Method-

Compliance shall be determined by multiplying an emission factor of 3.2 lbs/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 7.

e. Emission Limitation-

Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu, actual heat input, and 7.9 lbs/hr.

Applicable Compliance Method-

Except as provided below, compliance with the allowable sulfur dioxide emission limitation, in lbs/mmBtu, shall be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis or if the sulfur content of each daily sample collected during a calendar month does not comply with the allowable emission limitation on an "as-burned" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the shipments or daily samples of oil during the calendar month.

Compliance with the hourly emission rate shall be determined by multiplying the calculated sulfur dioxide emission rate in lbs/mmBtu by the emissions unit's maximum hourly heat input rate (15.81mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 6.

f. Emission Limitation-

Organic compound emissions shall not exceed 1.43 lbs/hr.

Applicable Compliance Method-

Compliance shall be determined by multiplying an emission factor of 0.09 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25.

g. Emission Limitations-

The combined annual emissions resulting from the operation of emissions units B010-B015 shall not exceed the following limits:

Particulates: 2.61 tons/year
Carbon Monoxide: 5.9 tons/year
Nitrogen Oxides: 39.06 tons/year
Sulfur Dioxide: 5.21 tons/year
Organic Compounds: 0.61 ton/year

Applicable Compliance Method-

Compliance shall be determined by multiplying the following emission factors by the annual total, diesel fuel usage for B010-B015 combined, in gallons, times the assumed diesel fuel heat content of 137,030

Btu/gallon, divided by 1.0 million and 2,000 lbs/ton.

Particulates: 0.062 lb/mmBtu
 Carbon Monoxide: 0.85 lb/mmBtu
 Nitrogen Oxides: 3.2 lbs/mmBtu
 Sulfur Dioxide: see below note
 Organic Compounds: 0.09 lb/mmBtu

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

Note: the sulfur dioxide emission factor, in lbs/mmBtu, shall be calculated using an annual average that is based upon the above diesel fuel record keeping requirements.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0247080234 Emissions Unit ID: B013 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: 0247080234 Emissions Unit ID: B014 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>
Diesel Engine & Generator Set No. 1. The stationary internal combustion engine's nominal heat input capacity is 15.81 mmBtu/hr and rating is 2,598 HP, the generator's electric power output rating is 1,825 KW.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.
	OAC rule 3745-31-05 PTI No. 02-8386	Carbon monoxide emissions shall not exceed 13.45 lbs per hour.
		Nitrogen oxides emissions shall not exceed 59.18 lbs per hour.
		Organic compound emissions shall not exceed 1.43 lbs per hour.
		Particulate emissions shall not exceed 0.98 lb per hour.
OAC rule 3745-17-11(B)(5)	Sulfur dioxide emissions shall not exceed 7.9 lbs per hour.	
	See Section A.I.2.a. below.	
	Particulate emissions shall not exceed and 0.062 lb/mmBtu, actual heat input.	
OAC rule 3745-18-06(F)	See Section A.I.2.c. below.	
	Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu, actual heat input.	
OAC rule 3745-21-08(B)	See Section A.I.2.b. below.	
	OAC rule 3745-23-06(B)	See Section A.I.2.b. below.

2. Additional Terms and Conditions

- a. In accordance with PTI No. 02-8386, issued on August 3, 1994, the combined annual emissions resulting from the operation of emissions units B010-B015 shall not exceed the following limits:

- (a)
 - Particulates: 2.61 tons/year
 - Carbon Monoxide: 5.9 tons/year
 - Nitrogen Oxides: 39.06 tons/year
 - Sulfur Dioxide: 5.21 tons/year
 - Organic Compounds: 0.61 ton/year

- b. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established in PTI No. 02-8386.
- c. The emission limitation specified in this rule citation has been revised based upon a change in the applicable emission factor contained in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors. The revised rule was adopted by the Director of Ohio EPA in December, 1997. The USEPA has agreed to consider this revised rule as federally enforceable during the time from the effective date of this permit to the effective date of USEPA approval of this limitation as a revision to the Ohio SIP for particulate matter.

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II. Operational Restrictions

1. In accordance with PTI No. 02-8386, the permittee shall limit the total diesel fuel usage in emissions units B010-B015 combined, to 162,096 gallons per rolling 365-day period.
2. The quality of the diesel fuel burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb sulfur dioxide per mmBtu, actual heat input.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:
 - a. the amount of diesel fuel fired in this emissions unit;
 - b. the total volume of diesel fuel usage in emissions units B010-B015 combined, for the rolling 365-day period; and
 - c. a record of the type and quantity of any fuel, other than diesel fuel, that is fired in this emissions unit.
2. The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the daily samples during a calendar month.

3. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify the following:
 - a. any exceedance of the diesel fuel usage limitation for emissions units B010-B015; and
 - b. the burning of any fuel other than diesel fuel in this emissions unit.Any such deviations shall be reported to the Ohio EPA Northeast District Office within 30 days of the

permittee becoming aware of them.

2. The permittee shall submit annual reports that specify the total particulate, carbon monoxide, nitrogen oxides, organic compound and sulfur dioxide emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.

Applicable Compliance Method-
Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation-
Particulate emissions shall not exceed 0.062 lb/mmBtu, actual heat input and 0.98 lb/hr.

Applicable Compliance Method-
Compliance with the hourly limit shall be determined by multiplying an emission factor of 0.062 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor for total filterable particulate is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03 (B)(9).
 - c. Emission Limitation-
Carbon monoxide emissions shall not exceed 13.45 lbs/hour.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 0.85 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 10.
 - d. Emission Limitation-
Nitrogen oxides emissions shall not exceed 59.18 lbs/hr.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 3.2 lbs/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 7.
 - e. Emission Limitation-
Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu, actual heat input, and 7.9 lbs/hr.

Applicable Compliance Method-
Except as provided below, compliance with the allowable sulfur dioxide emission limitation, in lbs/mmBtu, shall be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis or if the sulfur content of each daily sample collected during a calendar month does not comply with the allowable emission limitation on an "as-burned" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the shipments or daily samples of oil during the calendar month.

Compliance with the hourly emission rate shall be determined by multiplying the calculated sulfur dioxide emission rate in lbs/mmBtu by the emissions unit's maximum hourly heat input rate (15.81mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air

Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 6.

- f. Emission Limitation-
Organic compound emissions shall not exceed 1.43 lbs/hr.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 0.09 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25.

- g. Emission Limitations-
The combined annual emissions resulting from the operation of emissions units B010-B015 shall not exceed the following limits:

Particulates: 2.61 tons/year
Carbon Monoxide: 5.9 tons/year
Nitrogen Oxides: 39.06 tons/year
Sulfur Dioxide: 5.21 tons/year
Organic Compounds: 0.61 ton/year

Applicable Compliance Method-
Compliance shall be determined by multiplying the following emission factors by the annual total, diesel fuel usage for B010-B015 combined, in gallons, times the assumed diesel fuel heat content of 137,030 Btu/gallon, divided by 1.0 million and 2,000 lbs/ton.

Particulates: 0.062 lb/mmBtu
Carbon Monoxide: 0.85 lb/mmBtu
Nitrogen Oxides: 3.2 lbs/mmBtu
Sulfur Dioxide: see below note
Organic Compounds: 0.09 lb/mmBtu

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

Note: the sulfur dioxide emission factor, in lbs/mmBtu, shall be calculated using an annual average that is based upon the above diesel fuel record keeping requirements.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0247080234 Emissions Unit ID: B014 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>
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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: 0247080234 Emissions Unit ID: B015 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>
Diesel Engine & Generator Set No. 1. The stationary internal combustion engine's nominal heat input capacity is 15,81 mmBtu/hr and rating is 2,598 HP, the generator's electric power output rating is 1,825 KW.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.
	OAC rule 3745-31-05 PTI No. 02-8386	Carbon monoxide emissions shall not exceed 13.45 lbs per hour.
		Nitrogen oxides emissions shall not exceed 59.18 lbs per hour.

Organic compound emissions shall not exceed 1.43 lbs per hour.

Particulate emissions shall not exceed 0.98 lb per hour.

Sulfur dioxide emissions shall not exceed 7.9 lbs per hour.

See Section A.I.2.a. below.

OAC rule 3745-17-11(B)(5) Particulate emissions shall not exceed and 0.062 lb/mmBtu, actual heat input.

See Section A.I.2.c. below.

OAC rule 3745-18-06(F) Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu, actual heat input.

OAC rule 3745-21-08(B) See Section A.I.2.b. below.

OAC rule 3745-23-06(B) See Section A.I.2.b. below.

2. Additional Terms and Conditions

a. In accordance with PTI No. 02-8386, issued on August 3, 1994, the combined annual emissions resulting from the operation of emissions units B010-B015 shall not exceed the following limits:

- (a)
 - Particulates: 2.61 tons/year
 - Carbon Monoxide: 5.9 tons/year
 - Nitrogen Oxides: 39.06 tons/year
 - Sulfur Dioxide: 5.21 tons/year
 - Organic Compounds: 0.61 ton/year

b. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established in PTI No. 02-8386.

c. The emission limitation specified in this rule citation has been revised based upon a change in the applicable emission factor contained in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors. The revised rule was adopted by the Director of Ohio EPA in December, 1997. The USEPA has agreed to consider this revised rule as federally enforceable during the time from the effective date of this permit to the effective date of USEPA approval of this limitation as a revision to the Ohio SIP for particulate matter.

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II. Operational Restrictions

1. In accordance with PTI No. 02-8386, the permittee shall limit the total diesel fuel usage in emissions units B010-B015 combined, to 162,096 gallons per rolling 365-day period.
2. The quality of the diesel fuel burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb sulfur dioxide per mmBtu, actual heat input.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:
 - a. the amount of diesel fuel fired in this emissions unit;
 - b. the total volume of diesel fuel usage in emissions units B010-B015 combined, for the rolling 365-day period; and
 - c. a record of the type and quantity of any fuel, other than diesel fuel, that is fired in this emissions unit.

2. The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of

the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)). Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the daily samples during a calendar month.

3. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify the following:
 - a. any exceedance of the diesel fuel usage limitation for emissions units B010-B015; and
 - b. the burning of any fuel other than diesel fuel in this emissions unit.

Any such deviations shall be reported to the Ohio EPA Northeast District Office within 30 days of the permittee becoming aware of them.
2. The permittee shall submit annual reports that specify the total particulate, carbon monoxide, nitrogen oxides, organic compound and sulfur dioxide emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.

Applicable Compliance Method-
Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation-
Particulate emissions shall not exceed 0.062 lb/mmBtu, actual heat input and 0.98 lb/hr.

Applicable Compliance Method-
Compliance with the hourly limit shall be determined by multiplying an emission factor of 0.062 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor for total filterable particulate is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03 (B)(9).
 - c. Emission Limitation-
Carbon monoxide emissions shall not exceed 13.45 lbs/hour.

Applicable Compliance Method-
Compliance shall be determined by multiplying an emission factor of 0.85 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 10.
 - d. Emission Limitation-

Nitrogen oxides emissions shall not exceed 59.18 lbs/hr.

Applicable Compliance Method-

Compliance shall be determined by multiplying an emission factor of 3.2 lbs/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 7.

e. Emission Limitation-

Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu, actual heat input, and 7.9 lbs/hr.

Applicable Compliance Method-

Except as provided below, compliance with the allowable sulfur dioxide emission limitation, in lbs/mmBtu, shall be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis or if the sulfur content of each daily sample collected during a calendar month does not comply with the allowable emission limitation on an "as-burned" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the shipments or daily samples of oil during the calendar month.

Compliance with the hourly emission rate shall be determined by multiplying the calculated sulfur dioxide emission rate in lbs/mmBtu by the emissions unit's maximum hourly heat input rate (15.81mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 6.

f. Emission Limitation-

Organic compound emissions shall not exceed 1.43 lbs/hr.

Applicable Compliance Method-

Compliance shall be determined by multiplying an emission factor of 0.09 lb/mmBtu by the emissions unit's maximum hourly heat input rate (15.81 mmBtu/hr).

The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25.

g. Emission Limitations-

The combined annual emissions resulting from the operation of emissions units B010-B015 shall not exceed the following limits:

Particulates: 2.61 tons/year
Carbon Monoxide: 5.9 tons/year
Nitrogen Oxides: 39.06 tons/year
Sulfur Dioxide: 5.21 tons/year
Organic Compounds: 0.61 ton/year

Applicable Compliance Method-

Compliance shall be determined by multiplying the following emission factors by the annual total, diesel fuel usage for B010-B015 combined, in gallons, times the assumed diesel fuel heat content of 137,030 Btu/gallon, divided by 1.0 million and 2,000 lbs/ton.

Particulates: 0.062 lb/mmBtu
Carbon Monoxide: 0.85 lb/mmBtu
Nitrogen Oxides: 3.2 lbs/mmBtu
Sulfur Dioxide: see below note
Organic Compounds: 0.09 lb/mmBtu

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 (10/96).

Note: the sulfur dioxide emission factor, in lbs/mmBtu, shall be calculated using an annual average that is based upon the above diesel fuel record keeping requirements.

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VI. **Miscellaneous Requirements**

1. None

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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: 0247080234 Emissions Unit ID: K019 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>
Final repair coating line for assembled and coated vehicles, includes a spray booth and IR drying oven.	OAC rule 3745-21-09(C)(1)(d)	4.8 lbs of VOC per gallon of coating, excluding water and exempt solvents.
	OAC rule 3745-17-07	See section A.I.2 below.
	OAC rule 3745-17-11(B)	Visible particulate emissions (PE) shall not exceed 20 percent opacity as a 6-minute average, except as provided by rule. 0.551 pound PE per hour.

2. Additional Terms and Conditions

- (b) Part II, Section A.6. lists the common requirements of PTI No. 02-4198 for emissions units K015, K016, K017, K018 and K019, which were employed for passenger car production. Said requirements are not listed herein because emissions units K015, K016, K017 and K018 are not currently in operation (passenger car production has stopped) and emissions unit K019 is currently being used only for final repair for assembled and coated vans, resulting in minimal annual emissions.

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II. Operational Restrictions

1. The permittee shall operate the spray booth's water wash filtration system whenever this emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for the line:
 - a. The name and identification number of each coating, as applied.
 - b. The VOC content of each coating (excluding water and exempt solvents), as applied.
2. The permittee shall maintain daily records of the date, duration and reason for any periods during which the spray booth's water wash filtration system was not in service and this emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA Northeast District Office) in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 45 days after the exceedance occurs.
2. The permittee shall notify the Director (the Ohio EPA Northeast District Office) in writing of any daily record showing that the spray booth water wash filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 30 days after the exceedance occurs.

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V. Testing Requirements

1. USEPA Method 24 shall be used to determine the volatile organic compound contents of the coatings employed.
2. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation -

4.8 lbs VOC/gallon coating excluding water and exempt solvents, as a daily volume-weighted average

Applicable Compliance Method -
Compliance shall be based upon the record keeping specified in Section A.III.1.

- b. Emission Limitation:
20% opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:
U.S.EPA reference method 9, if required by the Ohio EPA.

- c. Emission Limitation:
0.551 lb PE/hr

Applicable Compliance Method:
To determine the actual worst case emission rate for particulate emissions, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

where,

E = particulate emissions rate (lb/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0247080234 Emissions Unit ID: K019 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>
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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: 0247080234 Emissions Unit ID: K028 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>
Application station for windshield flange glass adhesion primer coating to assembled vans.	OAC rule 3745-21-09(U)(1)(g)	4.9 lbs VOC per gallon of coating, excluding water and exempt solvents.
	OAC rule 3745-31-05 PTI 02-7091	4.81 lbs VOC per hour, excluding cleanup materials, and 11.3 tons VOC per year.
		See Section A.I.2. below.

2. Additional Terms and Conditions

- a. The annual VOC emission limit includes both coating and cleanup material emissions.

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall collect and record the following information each month for the line:
 - a. The name and identification number of each coating, as applied.

- b. The VOC content of each coating, in pounds/gallon and in pounds/gallon excluding water and exempt solvents, as applied.
 - c. The number of gallons of each coating employed.
 - d. The total VOC emission rate for all coatings, in pounds.
 - e. The number of hours the emissions unit was in operation.
 - f. The average hourly calculated VOC emission rate, (d)/(e), in pounds per hour (average).
2. The permittee also shall collect and record the following information each month for the line for the purpose of determining annual VOC emissions:
- a. The name and identification of each cleanup material employed.
 - b. The number of gallons of each cleanup material employed.
 - c. The VOC content of each cleanup material, in pounds per gallon.
 - d. The total VOC emissions from all coatings and cleanup materials, in tons.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA Northeast District Office) in writing of any monthly record showing the use of noncomplying coatings (i.e., for VOC content). The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 45 days after the exceedance occurs.
2. The permittee shall notify the Director (the Ohio EPA Northeast District Office) in writing of any monthly record showing an exceedance of the hourly emission limitation (i.e., lbs/hour VOC). The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 45 days after the exceedance occurs.
3. The permittee shall submit annual reports that specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. Testing Requirements

1. USEPA Method 24 shall be used to determine the VOC contents of the coatings employed, and USEPA Method 24 or formulation data shall be used to determine the VOC contents of the cleanup materials employed.
2. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation -
4.9 lbs VOC/gallon coating excluding water and exempt solvents, as a daily volume-weighted average

Applicable Compliance Method -
Compliance shall be based upon the record keeping specified in Section A.III.1.
 - b. Emission Limitation -
VOC emissions shall not exceed 4.81 lbs/hr and 11.3 tons/year.

Applicable Compliance Method -
Compliance shall be based upon the record keeping specified in Section A.III.1 and A.III.2.

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25.

Compliance with the annual emission limitation shall be determined by summing the total monthly emissions in tons.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0247080234 Emissions Unit ID: K028 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: 0247080234 Emissions Unit ID: K031 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>
Application station for windshield glass adhesive coating onto assembled vans. The coating is applied as a bead and air dried upon windshield installation.	OAC rule 3745-21-09(U)(1)(d)	3.5 lbs VOC per gallon of coating, excluding water and exempt solvents.
2. Additional Terms and Conditions		
(a) None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for the line:
 - a. The name and identification number for each coating, as applied.
 - b. The VOC content of each coating, excluding water and exempt solvents, as applied.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.

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V. Testing Requirements

1. USEPA Method 24 shall be used to determine the VOC contents of the coatings employed.
2. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - Emission Limitation -
3.5 lbs VOC/gallon coating, excluding water and exempt solvents.
 - Applicable Compliance Method -
Compliance shall be based upon the record keeping specified in Section A.III.1.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0247080234 Emissions Unit ID: K031 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