

Facility ID: 0247100320 Issuance type: Title V Final 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. The following insignificant emissions units are located at this facility:

T007: 15,000-gallon diesel fuel storage tank (PTI No. 02-14036); and
T008: 15,000-gallon diesel fuel storage tank (PTI No. 02-14036).

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 the identified permit to install for the emissions unit. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more applicable requirements contained in the federally-approved versions of OAC Chapters 3745-17, 3745-18, and/or 3745-21.

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b State Only Enforceable Section

1. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements (as defined in OAC rule 3745-77-01(H)) or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

Z002: 2,000-gallon waste oil tank for Engine No. 7;
Z003: 1,000-gallon day tank for Engine No. 6;
Z004: 1,100-gallon lube oil tank for Engine No. 7;
Z005: 930-gallon lube oil tank for Engine No. 5;
Z006: 2,000-gallon waste oil storage tank (in outside bulk storage area); and
Z008: 2,000-gallon diesel fuel storage tank for fleet vehicles.

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0247100320 Emissions Unit ID: B001 Issuance type: Title V Final 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>
Fairbanks-Morse, 1600 BHP, 14.0 mmBtu/hr, number two fuel oil-fired internal combustion engine/1136 KW generator set (Engine #1) (B001)	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input.
	OAC rule 3745-17-11(B)(5)(b)	See A.I.2.a below. Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.
	OAC rule 3745-18-06(G)	See A.I.2.b below. Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input.

2. Additional Terms and Conditions

- a. The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.
- b. This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

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II. Operational Restrictions

1. The permittee shall burn only number two fuel oil in this emissions unit.
(Authority for term: OAC rule 3745-77-07(A)(1))
2. The quality of the oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb/mmBtu actual heat input.
(Authority for term: OAC rule 3745-77-07(A)(1))

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III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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

2. For each shipment of oil received for burning in this emissions unit, the permittee shall 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, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

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 and D4294), or equivalent methods as approved by the Director (the Ohio EPA, Northeast District Office).

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

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IV. Reporting Requirements

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

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

2. The permittee shall notify the Director (the Ohio EPA, Northeast District Office) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. 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 deviation occurs.

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

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V. Testing Requirements

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

- a. Emission Limitation:
Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with the method and procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1))

- b. Emission Limitation:
Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input.

Applicable Compliance Method:

Compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

- c. Emission Limitation:
Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.

Applicable Compliance Method:

Compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

- d. Emission Limitation:
Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input.

Applicable Compliance Method:
Compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

(Authority for term: OAC rules 3745-18-04(E) and 3745-77-07(C)(1))

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0247100320 Emissions Unit ID: B001 Issuance type: Title V Final 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: 0247100320 Emissions Unit ID: B003 Issuance type: Title V Final 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>
Fairbanks-Morse, 2800 BHP, 23.0 mmBtu/hr, number two fuel oil/natural gas dual fuel-fired internal combustion engine/2000KW generator set (Engine #5) (B003)	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input. See A.I.2.a below.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input. See A.I.2.b below.
	OAC rule 3745-18-06(G)	When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input. When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

2. **Additional Terms and Conditions**

- a. The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.
- b. This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

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II. **Operational Restrictions**

- 1. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.
(Authority for term: OAC rule 3745-77-07(A)(1))
- 2. The quality of the oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb/mmBtu actual heat input.
(Authority for term: OAC rule 3745-77-07(A)(1))

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

1. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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

2. For each shipment of oil received for burning in this emissions unit, the permittee shall 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, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

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 and D4294), or equivalent methods as approved by the Director.

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

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IV. **Reporting Requirements**

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

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

2. The permittee shall notify the Director (the Ohio EPA, Northeast District Office) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. 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 deviation occurs.

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

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V. **Testing Requirements**

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

a. Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with the method and procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1))

b. Emission Limitation:

Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input.

Applicable Compliance Method:

When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

c. Emission Limitation:

Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.

Applicable Compliance Method:

When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

d. Emission Limitation:

When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input.

When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

Applicable Compliance Method:

Compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

(Authority for term: OAC rules 3745-18-04(E) and 3745-77-07(C)(1))

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0247100320 Emissions Unit ID: B003 Issuance type: Title V Final 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: 0247100320 Emissions Unit ID: B004 Issuance type: Title V Final 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>
Fairbanks-Morse, 3500 BHP, 25.5 mmBtu/hr, number two fuel oil/natural gas dual fuel-fired internal combustion engine/2500KW generator set (Engine #6) (B004)	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input.
	OAC rule 3745-17-11(B)(5)(b)	See A.I.2.a below. Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.
	OAC rule 3745-18-06(G)	See A.I.2.b below. When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input. When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

2. Additional Terms and Conditions

- a. The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

- b. This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

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II. Operational Restrictions

1. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.
(Authority for term: OAC rule 3745-77-07(A)(1))
2. The quality of the oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb/mmBtu actual heat input.
(Authority for term: OAC rule 3745-77-07(A)(1))

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III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
(Authority for term: OAC rule 3745-77-07(C)(1))
2. For each shipment of oil received for burning in this emissions unit, the permittee shall 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, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

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 and D4294), or equivalent methods as approved by the Director.

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

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
(Authority for term: OAC rule 3745-77-07(C)(1))
2. The permittee shall notify the Director (the Ohio EPA, Northeast District Office) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. 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 deviation occurs.
(Authority for term: OAC rule 3745-77-07(C)(1))

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V. Testing Requirements

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

Applicable Compliance Method:
The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with the method and procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1))
 - b. Emission Limitation:
Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input.

Applicable Compliance Method:

When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

c. Emission Limitation:

Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.

Applicable Compliance Method:

When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

d. Emission Limitation:

When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input.

When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

Applicable Compliance Method:

Compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

(Authority for term: OAC rules 3745-18-04(E) and 3745-77-07(C)(1))

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0247100320 Emissions Unit ID: B004 Issuance type: Title V Final 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: 0247100320 Emissions Unit ID: B005 Issuance type: Title V Final 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>
Cooper-Bessemer, 3710 BHP, 30.5 mmBtu/hr, number two fuel oil/natural gas dual fuel-fired internal combustion engine/2650KW generator set (Engine #7) (B005)	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input. See A.I.2.a below.

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

OAC rule 3745-18-06(G)

See A.I.2.b below.

When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input.

When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

2. Additional Terms and Conditions

- a. The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.
- b. This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

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II. Operational Restrictions

1. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.
(Authority for term: OAC rule 3745-77-07(A)(1))
2. The quality of the oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb/mmBtu actual heat input.
(Authority for term: OAC rule 3745-77-07(A)(1))

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III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
(Authority for term: OAC rule 3745-77-07(C)(1))
2. For each shipment of oil received for burning in this emissions unit, the permittee shall 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, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

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 and D4294), or equivalent methods as approved by the Director.
(Authority for term: OAC rule 3745-77-07(C)(1))

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
(Authority for term: OAC rule 3745-77-07(C)(1))
2. The permittee shall notify the Director (the Ohio EPA, Northeast District Office) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. 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 deviation occurs.
(Authority for term: OAC rule 3745-77-07(C)(1))

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V. Testing Requirements

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

Applicable Compliance Method:
The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with the method and procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1))
 - b. Emission Limitation:
Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input.

Applicable Compliance Method:
When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))
 - c. Emission Limitation:
Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.

Applicable Compliance Method:
When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))
 - d. Emission Limitation:
When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input.

When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

Applicable Compliance Method:
Compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

(Authority for term: OAC rules 3745-18-04(E) and 3745-77-07(C)(1))

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0247100320 Emissions Unit ID: B005 Issuance type: Title V Final 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: 0247100320 Emissions Unit ID: B006 Issuance type: Title V Final 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>
Fairbanks-Morse, 4200 BHP, 33.6 mmBtu/hr, number two fuel oil/natural gas dual fuel-fired internal combustion engine/3000KW generator set (Engine #8) (B006)	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input.
	OAC rule 3745-17-11(B)(5)(b)	See A.I.2.a below. Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.
	OAC rule 3745-18-06(G)	See A.I.2.b below. When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input. When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

2. **Additional Terms and Conditions**

- a. The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.
- b. This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

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II. **Operational Restrictions**

1. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.
(Authority for term: OAC rule 3745-77-07(A)(1))
2. The quality of the oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb/mmBtu actual heat input.
(Authority for term: OAC rule 3745-77-07(A)(1))

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

1. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
(Authority for term: OAC rule 3745-77-07(C)(1))
2. For each shipment of oil received for burning in this emissions unit, the permittee shall 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, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

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 and D4294), or equivalent methods as approved by the Director.

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

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IV. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30

days after the deviation occurs.

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

2. The permittee shall notify the Director (the Ohio EPA, Northeast District Office) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. 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 deviation occurs.

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

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V. **Testing Requirements**

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

- a. Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with the method and procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1))

- b. Emission Limitation:

Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input.

Applicable Compliance Method:

When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

- c. Emission Limitation:

Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.

Applicable Compliance Method:

When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

- d. Emission Limitation:

When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input.

When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

Applicable Compliance Method:

Compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

(Authority for term: OAC rules 3745-18-04(E) and 3745-77-07(C)(1))

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0247100320 Emissions Unit ID: B006 Issuance type: Title V Final 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: 0247100320 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0247100320 Emissions Unit ID: B008 Issuance type: Title V Final 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>
Waukesha, 2964 BHP, 19.6 mmBtu/hr, natural gas-fired, spark-ignited, internal combustion, 4-cycle, lean-burn engine/2100KW generator set (Engine #4) (B008)	OAC rule 3745-31-05(A)(3) (PTI No. 02-9564)	See A.I.2.a through A.I.2.e below.
	OAC rule 3745-17-07(A)	The visible particulate emission limitations specified by this rule are less stringent than the visible particulate emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)(5)(b)	The particulate emission limitation specified by this rule is less stringent than the particulate emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-18-06(G)	This emissions unit is exempt from the emission limitation specified by this rule pursuant to OAC rule 3745-18-06(A).
	OAC rule 3745-21-08(B)	See A.I.2.f below.
	OAC rule 3745-23-06(B)	See A.I.2.f below.

2. Additional Terms and Conditions

- a. Nitrogen oxides (NOx) emissions from this emissions unit shall not exceed 1.5 grams per horsepower-hour (gr./HP-HR) or 9.8 pounds per hour (lbs/hr).
- b. Particulate emissions from this emissions unit shall not exceed 0.13 gr./HP-HR or 0.85 lb/hr.
- c. Carbon monoxide (CO) emissions from this emissions unit shall not exceed 1.85 gr./HP-HR or 12.09 lbs/hr.
- d. Sulfur dioxide (SO2) emissions from this emissions unit shall not exceed 0.10 gr./HP-HR or 0.65 lb/hr.
- e. Visible particulate emissions from the stack serving this emissions unit shall not exceed ten (10) percent opacity, as a six-minute average, more than once per any sixty-minute period.
- f. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 02-9564.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 02-9564.

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II. Operational Restrictions

1. The permittee shall burn only natural gas in this emissions unit.

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

2. The total annual operating hours for this emissions unit shall not exceed 7,000 hours per rolling, 365-day period.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records for this emissions unit of the following information:

- a. the date and time of each start-up and shutdown of this emissions unit;
- b. the total hours of operation of this emissions unit; and
- c. the rolling, 365-day summation of the total hours of operation of this emissions unit.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

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

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

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IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Northeast District Office) in writing of any record which shows a deviation of the operational restriction listed in section A.II. above. 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 deviation occurs.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

2. The permittee shall submit an annual report that provides a summary of the total monthly and annual hours of operation of this emissions unit. This report shall be submitted by February 15 of each year for operations data recorded during the previous calendar year.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

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

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

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V. Testing Requirements

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

- a. Emission Limitation:
NOx emissions from this emissions unit shall not exceed 1.5 gr./HP-HR or 9.8 lbs/hr.

Applicable Compliance Method:

Compliance with this emission limitation may be based upon the emission factor specified in the application for PTI No. 02-9564 or the emission factor and emission rate calculations from the most recent emission tests that demonstrated that the emissions unit was in compliance.

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

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

- b. Emission Limitation:
Particulate emissions from this emissions unit shall not exceed 0.13 gr./HP-HR or 0.85 lb/hr.

Applicable Compliance Method:

Compliance with this emission limitation may be based upon the emission factor specified in the application for PTI No. 02-9564.

If required, the permittee shall demonstrate compliance with the hourly emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

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

- c. Emission Limitation:
SO2 emissions from this emissions unit shall not exceed 0.10 gr./HP-HR or 0.65 lb/hr.

Applicable Compliance Method:
Compliance with this emission limitation may be based upon the emission factor specified in the application for PTI No. 02-9564.

If required, the permittee shall demonstrate compliance with the hourly emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

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

- d. Emission Limitation:
CO emissions from this emissions unit shall not exceed 1.85 gr./HP-HR or 12.09 lbs/hr.

Applicable Compliance Method:
Compliance with this emission limitation may be based upon the emission factor specified in the application for PTI No. 02-9564 or the emission factor and emission rate calculations from the most recent emission tests that demonstrated that the emissions unit was in compliance.

If required, the permittee shall demonstrate compliance with the hourly emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

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

- e. Emission Limitation:
Visible particulate emissions from the stack serving this emissions unit shall not exceed ten (10) percent opacity, as a six-minute average, more than once per any sixty-minute period.

Applicable Compliance Method:
The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with 40 CFR part 60, Appendix A, Methods 9.

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

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0247100320 Emissions Unit ID: B008 Issuance type: Title V Final 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: 0247100320 Emissions Unit ID: B009 Issuance type: Title V Final 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>
Fairbanks-Morse, 4,410 BHP, 28.67 mmBtu/hr heat input, number two fuel oil/natural gas dual fuel-fired internal combustion engine generator set (Engine #2).	OAC rule 3745-31-05(A)(3) (PTI No. 02-14231)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period. Sulfur dioxide (SO2) emissions from this emissions unit shall not exceed 1.56 lbs/hr. SO2 emissions from emissions units B009 and B010, combined, shall not exceed 3.4 tons/yr. Nitrogen oxides (NOx) emissions from this emissions unit shall not exceed 58.33 lbs/hr. Carbon monoxide (CO) emissions from this emissions unit shall not exceed 33.06 lbs/hr. Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 7.78 lbs/hr.

	Particulate emissions from emissions units B009 and B010, combined, shall not exceed 3.9 tons/yr.
	Compliance with this rule also includes compliance with OAC rules 3745-17-11(B)(5)(b) and 3745-31-05(C).
OAC rule 3745-17-07(A)	The emission limitations specified by this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-18-06(G)	The emission limitation specified by this rule is less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.35 lb/mmBtu, actual heat input.
	See A.I.2.c below.
OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.062 lb/mmBtu, actual heat input.
	See A.I.2.d below.
OAC rule 3745-31-05(C)	See A.I.2.a and A.II.1 through A.II.3 below.
OAC rules 3745-21-08(B) and 3745-23-06(B)	See A.I.2.e below.

2. **Additional Terms and Conditions**

- a. The combined, annual NOx, CO, and VOC emissions from emissions units B009 and B010 shall not exceed the following emission limitations:
 - (a) NOx - 31.7 tons per rolling, 12-month period;
CO - 71.9 tons per rolling, 12-month period; and
VOC - 17.0 tons per rolling, 12-month period.
- b. Dual fuel is defined as co-firing 95% natural gas and 5% number two fuel oil.
- c. The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.
- d. This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.
- e. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 02-14231.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 02-14231.

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II. **Operational Restrictions**

- 1. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))
- 2. When dual fuel firing, the total annual operating hours for emissions units B009 and B010, combined, shall not exceed 4,348 hours per rolling, 12-month period.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))
- 3. When firing only number two fuel oil, the total annual operating hours for emissions units B009 and B010, combined, shall not exceed 1,086 hours per rolling, 12-month period.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))
- 4. The quality of the number two fuel oil fired in this emissions unit shall meet, on an "as received" basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.56 lbs/hr.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))

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III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

2. The permittee shall maintain monthly records of the following information:
 - a. the total operating hours for emissions units B009 and B010, combined, when dual fuel firing;
 - b. the total operating hours for emissions units B009 and B010, combined, when firing number two fuel oil;
 - c. the total operating hours for emissions units B009 and B010, combined (i.e., the summation of the values from (a) and (b));
 - d. the rolling, 12-month summation of the total operating hours for emissions units B009 and B010, combined, when dual fuel firing;
 - e. the rolling, 12-month summation of the total operating hours for emissions units B009 and B010, combined, when firing number two fuel oil;
 - f. the NOx emissions from emissions units B009 and B010, combined, when dual fuel firing, in tons (i.e., the value from (a) multiplied by the manufacturer-supplied worst case dual fuel NOx emission rate (14.58 lbs/hr) by 1 ton/2000 lbs);
 - g. the NOx emissions from emissions units B009 and B010, combined, when firing number two fuel oil, in tons (i.e., the value from (b) multiplied by the average NOx emission rate from the most recent compliance demonstration (31.5 lbs/hr) by 1 ton/2000 lbs);
 - h. the total NOx emissions from emissions units B009 and B010, combined, in pounds or tons (i.e., the summation of the values from (f) and (g));
 - i. the rolling, 12-month summation of the NOx emissions from emissions units B009 and B010, combined, in tons (i.e., the summation of the value from (h) plus the NOx emissions from emissions units B009 and B010 for the previous 11 months);
 - j. the total CO emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by the manufacturer-supplied worst case CO emission rate (33.06 lbs/hr) by 1 ton/2000 lbs);
 - k. the rolling, 12-month summation of the CO emissions from emissions units B009 and B010, combined, in tons (i.e., the summation of the value from (j) plus the CO emissions from emissions units B009 and B010 for the previous 11 months);
 - l. the total VOC emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by the manufacturer-supplied worst case VOC emission rate (7.78 lbs/hr) by 1 ton/2000 lbs);
 - m. the rolling, 12-month summation of the VOC emissions from emissions units B009 and B010, combined, in tons (i.e., the summation of the value from (l) plus the VOC emissions from emissions units B009 and B010 for the previous 11 months);
 - n. the total SO2 emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by the manufacturer-supplied worst case SO2 emission rate (1.56 lbs/hr) by 1 ton/2000 lbs); and
 - o. the total particulate emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by [the applicable AP-42 emission factor (0.062 lb/mmBtu) by the emissions unit's maximum rated heat input capacity (28.67 mmBtu/hr)] by 1 ton/2000 lbs).

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

3. For each shipment of oil received for burning in this emissions unit, the permittee shall 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/hr). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

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 and D4294), or equivalent methods as approved by the Director.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify the following:
 - a. any exceedance of the rolling, 12-month operating hour limitations specified in section A.II;

- b. any exceedance of the rolling, 12-month emission limitations for NOx, CO, and/or VOC;
- c. any exceedance of the hourly SO2 emission limitation based upon the calculated emission rates from section A.III; and
- d. each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil in this emissions unit.

Each report shall be submitted to the Ohio EPA, Northeast District Office within 45 days after the deviation occurs.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

- 2. The permittee shall also submit annual reports that specify the total SO2 and particulate emissions from emissions units B009 and B010, combined, for the previous calendar year. The reports shall be submitted to the Ohio EPA, Northeast District Office by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for these emissions units in the annual Fee Emission Report.

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

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V. Testing Requirements

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

- a. Emission Limitations:

SO2 emissions from this emissions unit shall not exceed 1.56 lbs/hr. SO2 emissions from emissions units B009 and B010, combined, shall not exceed 3.4 tons/yr.

Applicable Compliance Methods:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 1.56 lbs/hr.

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6 or 6C.

The annual emission limitation was established by multiplying the hourly emission limitation (1.56 lbs/hr) by the maximum restricted hours of operation for emissions units B009 and B010, combined, (4,348 hrs/yr) by 1 ton/2,000 lbs. Therefore, provided compliance is demonstrated with the hourly emission limitation and the operating hour limitations, compliance with the annual emission limitation will also be demonstrated.

Compliance with the annual emission limitation may also be demonstrated based upon the records required pursuant to section A.III.

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

- b. Emission Limitation:

CO emissions from this emissions unit shall not exceed 33.06 lbs/hr.

Applicable Compliance Method:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 33.06 lbs/hr.

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10 or 10A.

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

- c. Emission Limitation:

NOx emissions from this emissions unit shall not exceed 58.33 lbs/hr.

Applicable Compliance Method:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 58.33 lbs/hr or the average results from the most recent emission tests that demonstrated that emissions units B009 and B010 were in compliance (31.5 lbs/hr when firing number two fuel oil).

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 or 7E while firing number two fuel oil.

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

d. Emission Limitation:

VOC emissions from this emissions unit shall not exceed 7.78 lbs/hr.

Applicable Compliance Method:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 7.78 lbs/hr.

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 18, 25 or 25A, as appropriate.

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

e. Emission Limitation:

Particulate emissions shall not exceed 0.062 lb/mmBtu, actual heat input.

Applicable Compliance Method:

Compliance with the lb/mmBtu emission limitation may be based upon the applicable emission factor specified in AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, section 3.2, table 3.4-2 (.062 lb of filterable particulate matter per mmBtu actual heat input).

If required, the permittee shall demonstrate compliance with the lb/mmBtu emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

f. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

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

g. Emission Limitation:

Particulate emissions from emissions units B009 and B010, combined, shall not exceed 3.9 tons/yr.

Applicable Compliance Method:

The annual emission limitation was established by multiplying the allowable lb/mmBtu particulate emission limitation (0.062 lb/mmBtu) by the maximum heat input capacity of each emissions unit (28.67 mmBtu/hr) by the maximum restricted hours of operation for emissions units B009 and B010, combined, (4,348 hrs/yr) by 1 ton/2,000 lbs. Therefore, provided compliance is demonstrated with the hourly emission limitation and the operating hour limitations, compliance with the annual emission limitation will also be demonstrated.

Compliance with the annual emission limitation may also be demonstrated based upon the records required pursuant to section A.III.

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

h. Emission Limitations:

The combined, annual NO_x, CO, and VOC emissions from emissions units B009 and B010 shall not exceed the following emission limitations:

NO_x - 31.7 tons per rolling, 12-month period;
CO - 71.9 tons per rolling, 12-month period; and
VOC - 17.0 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the rolling, 12-month emission limitations shall be demonstrated based upon the records required pursuant to section A.III.

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

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0247100320 Emissions Unit ID: B009 Issuance type: Title V Final 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: 0247100320 Emissions Unit ID: B010 Issuance type: Title V Final 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>
Fairbanks-Morse, 4,410 BHP, 28.67 mmBtu/hr heat input, number two fuel oil/natural gas dual fuel-fired internal combustion engine generator set (Engine #3).	OAC rule 3745-31-05(A)(3) (PTI No. 02-14231)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period.
		Sulfur dioxide (SO ₂) emissions from this emissions unit shall not exceed 1.56 lbs/hr. SO ₂ emissions from emissions units B009 and B010, combined, shall not exceed 3.4 tons/yr.
		Nitrogen oxides (NO _x) emissions from this emissions unit shall not exceed 58.33 lbs/hr.
		Carbon monoxide (CO) emissions from this emissions unit shall not exceed 33.06 lbs/hr.
		Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 7.78 lbs/hr.
		Particulate emissions from emissions units B009 and B010, combined, shall not exceed 3.9 tons/yr.
		Compliance with this rule also includes compliance with OAC rules 3745-17-11(B)(5)(b) and 3745-31-05(C).
	OAC rule 3745-17-07(A)	The emission limitations specified by this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-18-06(G)	The emission limitation specified by this rule is less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.35 lb/mmBtu, actual heat input.
OAC rule 3745-17-11(B)(5)(b)	See A.I.2.c below. Particulate emissions shall not exceed 0.062 lb/mmBtu, actual heat input.	
OAC rule 3745-31-05(C)	See A.I.2.d below.	
OAC rules 3745-21-08(B) and 3745-23-06(B)	See A.I.2.a and A.II.1 through A.II.3 below. See A.I.2.e below.	

2. Additional Terms and Conditions

- a. The combined, annual NO_x, CO, and VOC emissions from emissions units B009 and B010 shall not exceed the following emission limitations:
 - (a) NO_x - 31.7 tons per rolling, 12-month period;
CO - 71.9 tons per rolling, 12-month period; and
VOC - 17.0 tons per rolling, 12-month period.
- b. Dual fuel is defined as co-firing 95% natural gas and 5% number two fuel oil.
- c. The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.
- d. This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA

approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

- e. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 02-14231.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 02-14231.

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II. Operational Restrictions

1. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.
(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))
2. When dual fuel firing, the total annual operating hours for emissions units B009 and B010, combined, shall not exceed 4,348 hours per rolling, 12-month period.
(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))
3. When firing only number two fuel oil, the total annual operating hours for emissions units B009 and B010, combined, shall not exceed 1,086 hours per rolling, 12-month period.
(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))
4. The quality of the number two fuel oil fired in this emissions unit shall meet, on an "as received" basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.56 lbs/hr.
(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))

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III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))
2. The permittee shall maintain monthly records of the following information:
 - a. the total operating hours for emissions units B009 and B010, combined, when dual fuel firing;
 - b. the total operating hours for emissions units B009 and B010, combined, when firing number two fuel oil;
 - c. the total operating hours for emissions units B009 and B010, combined (i.e., the summation of the values from (a) and (b));
 - d. the rolling, 12-month summation of the total operating hours for emissions units B009 and B010, combined, when dual fuel firing;
 - e. the rolling, 12-month summation of the total operating hours for emissions units B009 and B010, combined, when firing number two fuel oil;
 - f. the NOx emissions from emissions units B009 and B010, combined, when dual fuel firing, in tons (i.e., the value from (a) multiplied by the manufacturer-supplied worst case dual fuel NOx emission rate (14.58 lbs/hr) by 1 ton/2000 lbs);
 - g. the NOx emissions from emissions units B009 and B010, combined, when firing number two fuel oil, in tons (i.e., the value from (b) multiplied by the average NOx emission rate from the most recent compliance demonstration (31.5 lbs/hr) by 1 ton/2000 lbs);
 - h. the total NOx emissions from emissions units B009 and B010, combined, in pounds or tons (i.e., the summation of the values from (f) and (g));
 - i. the rolling, 12-month summation of the NOx emissions from emissions units B009 and B010, combined, in tons (i.e., the summation of the value from (h) plus the NOx emissions from emissions units B009 and B010 for the previous 11 months);
 - j. the total CO emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by the manufacturer-supplied worst case CO emission rate (33.06 lbs/hr) by 1 ton/2000 lbs);
 - k. the rolling, 12-month summation of the CO emissions from emissions units B009 and B010, combined, in

tons (i.e., the summation of the value from (j) plus the CO emissions from emissions units B009 and B010 for the previous 11 months);

l. the total VOC emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by the manufacturer-supplied worst case VOC emission rate (7.78 lbs/hr) by 1 ton/2000 lbs);

m. the rolling, 12-month summation of the VOC emissions from emissions units B009 and B010, combined, in tons (i.e., the summation of the value from (l) plus the VOC emissions from emissions units B009 and B010 for the previous 11 months);

n. the total SO₂ emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by the manufacturer-supplied worst case SO₂ emission rate (1.56 lbs/hr) by 1 ton/2000 lbs); and

o. the total particulate emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by [the applicable AP-42 emission factor (0.062 lb/mmBtu) by the emissions unit's maximum rated heat input capacity (28.67 mmBtu/hr)] by 1 ton/2000 lbs).

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

3. For each shipment of oil received for burning in this emissions unit, the permittee shall 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/hr). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

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 and D4294), or equivalent methods as approved by the Director.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify the following:
 - a. any exceedance of the rolling, 12-month operating hour limitations specified in section A.II;
 - b. any exceedance of the rolling, 12-month emission limitations for NO_x, CO, and/or VOC;
 - c. any exceedance of the hourly SO₂ emission limitation based upon the calculated emission rates from section A.III; and
 - d. each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil in this emissions unit.

Each report shall be submitted to the Ohio EPA, Northeast District Office within 45 days after the deviation occurs.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

2. The permittee shall also submit annual reports that specify the total SO₂ and particulate emissions from emissions units B009 and B010, combined, for the previous calendar year. The reports shall be submitted to the Ohio EPA, Northeast District Office by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for these emissions units in the annual Fee Emission Report.

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

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V. Testing Requirements

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

a. Emission Limitations:

SO₂ emissions from this emissions unit shall not exceed 1.56 lbs/hr. SO₂ emissions from emissions units B009 and B010, combined, shall not exceed 3.4 tons/yr.

Applicable Compliance Methods:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 1.56 lbs/hr.

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6 or 6C.

The annual emission limitation was established by multiplying the hourly emission limitation (1.56 lbs/hr) by the maximum restricted hours of operation for emissions units B009 and B010, combined, (4,348

hrs/yr) by 1 ton/2,000 lbs. Therefore, provided compliance is demonstrated with the hourly emission limitation and the operating hour limitations, compliance with the annual emission limitation will also be demonstrated.

Compliance with the annual emission limitation may also be demonstrated based upon the records required pursuant to section A.III.

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

b. Emission Limitation:

CO emissions from this emissions unit shall not exceed 33.06 lbs/hr.

Applicable Compliance Method:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 33.06 lbs/hr.

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10 or 10A.

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

c. Emission Limitation:

NOx emissions from this emissions unit shall not exceed 58.33 lbs/hr.

Applicable Compliance Method:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 58.33 lbs/hr or the average results from the most recent emission tests that demonstrated that emissions units B009 and B010 were in compliance (31.5 lbs/hr when firing number two fuel oil).

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 or 7E while firing number two fuel oil.

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

d. Emission Limitation:

VOC emissions from this emissions unit shall not exceed 7.78 lbs/hr.

Applicable Compliance Method:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 7.78 lbs/hr.

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 18, 25 or 25A, as appropriate.

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

e. Emission Limitation:

Particulate emissions shall not exceed 0.062 lb/mmBtu, actual heat input.

Applicable Compliance Method:

Compliance with the lb/mmBtu emission limitation may be based upon the applicable emission factor specified in AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, section 3.2, table 3.4-2 (.062 lb of filterable particulate matter per mmBtu actual heat input).

If required, the permittee shall demonstrate compliance with the lb/mmBtu emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

f. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

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

g. Emission Limitation:

Particulate emissions from emissions units B009 and B010, combined, shall not exceed 3.9 tons/yr.

Applicable Compliance Method:

The annual emission limitation was established by multiplying the allowable lb/mmBtu particulate emission limitation (0.062 lb/mmBtu) by the maximum heat input capacity of each emissions unit (28.67 mmBtu/hr) by the maximum restricted hours of operation for emissions units B009 and B010, combined, (4,348 hrs/yr) by 1 ton/2,000 lbs. Therefore, provided compliance is demonstrated with the hourly emission limitation and the operating hour limitations, compliance with the annual emission limitation will also be demonstrated.

Compliance with the annual emission limitation may also be demonstrated based upon the records required pursuant to section A.III.

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

h. Emission Limitations:

The combined, annual NOx, CO, and VOC emissions from emissions units B009 and B010 shall not exceed the following emission limitations:

NOx - 31.7 tons per rolling, 12-month period;
 CO - 71.9 tons per rolling, 12-month period; and
 VOC - 17.0 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the rolling, 12-month emission limitations shall be demonstrated based upon the records required pursuant to section A.III.

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

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0247100320 Emissions Unit ID: B010 Issuance type: Title V Final 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