

Facility ID: 0238000049 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. None

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Facility ID: 0238000049 Issuance type: Title V Final Permit

b State Only Enforceable Section

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

B002: Kewanee 3.75 mmBtu/hr natural gas-fired hot water heater/boiler.
T001: Dual 6000 gal. UG storage tanks for gas pipeline liquids.
T002: Dual 6000 gal. UG storage tanks for gas pipeline liquids.
T003: Dual 6000 gal. UG storage tanks for gas pipeline liquids.
B006: Thermo-Flux Model 3400CH, 3.8 mmBtu/hr natural gas-fired indirect pipeline heater (Heater #1).
B007: Thermo-Flux Model 5000CH, 5.5 mmBtu/hr natural gas-fired indirect pipeline heater (Heater #2).
Z001: Gasoline storage tank.
Z002: Various fugitive VOC emissions points.

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

- [Go to Part III for Emissions Unit B001](#)
- [Go to Part III for Emissions Unit B003](#)
- [Go to Part III for Emissions Unit B004](#)
- [Go to Part III for Emissions Unit B005](#)
- [Go to Part III for Emissions Unit B008](#)
- [Go to Part III for Emissions Unit B009](#)
- [Go to Part III for Emissions Unit B010](#)

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0238000049 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>
Cooper-Bessemer 1500 HP, 13.1 mmBtu/hr. Natural Gas-Fired, Reciprocating Pipeline Compressor Engine (B001)	OAC Rule 3745-17-11(B)(5)(b)	Particulate emissions from this emissions unit shall not exceed 0.35 pound per million Btu (lb/mmBtu) of actual heat input.
	OAC Rule 3745-17-07(A)	Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except for a period of not more than six (6) consecutive minutes in any sixty-minute period. Visible particulate emissions shall not exceed sixty (60) percent opacity, as a six-minute average, at any time.
	OAC Rule 3745-18-06(G)	Sulfur dioxide emissions from this emissions unit shall not exceed 0.50 pound per million Btu actual heat input.

2. **Additional Terms and Conditions**

- (a) None

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II. Operational Restrictions

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

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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, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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IV. Reporting Requirements

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

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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: 0.35 pound of particulate matter per mmBtu of actual heat input.

Applicable Compliance Method: Compliance shall be based upon the use of an emission factor as specified in AP-42, "Compilation of Air Pollution Emission Factors" (7/93), section 3.2, table 3.2-4. If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the particulate emissions limits of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 5, and in OAC 3745-17-03(B)(7).

b. Emission Limitation: Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except for a period of not more than six (6) consecutive minutes in any sixty-minute period. Visible particulate emissions shall not exceed sixty (60) percent opacity, as a six-minute average, at any time.

Applicable Compliance Method: Compliance shall be determined through visible emission observations in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1). No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

c. Emission Limitation: 0.50 pound sulfur dioxide per mmBtu of actual heat input.

Applicable Compliance Method: Compliance shall be assumed due to the negligible percent of sulfur by weight in the fuel.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0238000049 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>
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2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0238000049 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>
Cooper-Bessemer 1500 HP, 13.1 mmBtu/hr. Natural Gas-Fired, Reciprocating Pipeline Compressor Engine (B003)	OAC Rule 3745-17-11 (B)(5)(b)	Particulate emissions from this emissions unit shall not exceed 0.35 pound per million Btu (lb/mmBtu) of actual heat input.
	OAC Rule 3745-17-07(A)	Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except for a period of not more than six (6) consecutive minutes in any sixty-minute period. Visible particulate emissions shall not exceed sixty (60) percent opacity, as a six-minute average, at any time.
	OAC Rule 3745-18-06(G)	Sulfur dioxide emissions from this emissions unit shall not exceed 0.50 pound per mmBtu actual heat input.

2. **Additional Terms and Conditions**

- (a) None

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II. **Operational Restrictions**

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

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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, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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IV. Reporting Requirements

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

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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: 0.35 pound particulate matter per mmBtu of actual heat input.

Applicable Compliance Method: Compliance shall be based upon the use of an emission factor as specified in AP-42, "Compilation of Air Pollution Emission Factors" (7/93), section 3.2, table 3.2-4. If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the particulate emissions limits of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 5, and in OAC 3745-17-03(B)(7).

- b. Emissions Limitation: Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except for a period of not more than six (6) consecutive minutes in any sixty-minute period. Visible particulate emissions shall not exceed sixty (60) percent opacity, as a six-minute average, at any time.

Applicable Compliance Method: Compliance shall be determined through visible emission observations in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1). No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

- c. Emission Limitation: 0.50 pound sulfur dioxide per mmBtu of actual heat input.

Applicable Compliance Method: Compliance shall be assumed due to the negligible percent of sulfur by weight in the fuel.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0238000049 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: 0238000049 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>
Cooper-Bessemer 1500 HP, 13.1 mmBtu/hr. Natural Gas-Fired, Reciprocating Pipeline Compressor Engine (B004)	OAC Rule 3745-17-11(B)(5)(b) OAC Rule 3745-17-07(A)	Particulate emissions from this emissions unit shall not exceed 0.35 pound per million Btu (lb/mmBtu) of actual heat input. Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except

OAC Rule 3745-18-06(G)

for a period of not more than six (6) consecutive minutes in any sixty-minute period. Visible particulate emissions shall not exceed sixty (60) percent opacity, as a six-minute average, at any time.

Sulfur dioxide emissions from this emissions unit shall not exceed 0.50 pound per million Btu actual heat input.

2. Additional Terms and Conditions

- (a) None

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II. Operational Restrictions

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

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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, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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IV. Reporting Requirements

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

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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: 0.35 pound particulate matter per mmBtu of actual heat input.

Applicable Compliance Method: Compliance shall be based upon the use of an emission factor as specified in AP-42, "Compilation of Air Pollution Emission Factors" (7/93), section 3.2, table 3.2-4. If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the particulate emissions limits of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 5, and in OAC 3745-17-03(B)(7).

- b. Emissions Limitation: Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except for a period of not more than six (6) consecutive minutes in any sixty-minute period. Visible particulate emissions shall not exceed sixty (60) percent opacity, as a six-minute average, at any time.

Applicable Compliance Method: Compliance shall be determined through visible emission observations in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1). No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

- c. Emission Limitation: 0.50 pound sulfur dioxide per mmBtu of actual heat input.

Applicable Compliance Method: Compliance shall be assumed due to the negligible percent of sulfur by weight in the fuel.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0238000049 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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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0238000049 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 1500 HP, 13.1 mmBtu/hr. Natural Gas-Fired, Reciprocation Pipeline Compressor Engine (B005)	OAC Rule 3745-17-11(B)(5)(b)	Particulate emissions from this emissions unit shall not exceed 0.35 pound per million Btu (lb/mmBtu) of actual heat input.
	OAC Rule 3745-17-07(A)	Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except for a period of not more than six (6) consecutive minutes in any sixty-minute period. Visible particulate emissions shall not exceed sixty (60) percent opacity, as a six-minute average, at any time.
	OAC Rule 3745-18-06(G)	Sulfur dioxide emissions from this emissions unit shall not exceed 0.50 pound per million Btu actual heat input.

2. **Additional Terms and Conditions**

- (a) None

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II. **Operational Restrictions**

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

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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, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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IV. **Reporting Requirements**

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

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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: 0.35 pound particulate matter per mmBtu of actual heat input.

Applicable Compliance Method: Compliance shall be based upon the use of an emission factor as specified in AP-42, "Compilation of Air Pollution Emission Factors" (7/93), section 3.2, table 3.2-4. If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the particulate emissions limits of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 5, and in OAC 3745-17-03(B)(7).

- b. Emissions Limitation: Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except for a period of not more than six (6) consecutive minutes in any sixty-minute period. Visible particulate emissions shall not exceed sixty (60) percent opacity, as a six-minute average, at any time.

Applicable Compliance Method: Compliance shall be determined through visible emission observations in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1). No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

- c. Emission Limitation: 0.50 pound sulfur dioxide per mmBtu of actual heat input.

Applicable Compliance Method: Compliance shall be assumed due to the negligible percent of sulfur by weight in the fuel.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0238000049 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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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0238000049 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>
Maloney-Crawford 1.5 mmBtu/hr. Natural Gas-Fueled, Triethylene Glycol Reheater/Gas Dehydration System with Flare Control System. (B008)	OAC rule 3745-21-07(G)	See A.I.2.a. below.

2. Additional Terms and Conditions

- a. The dehydrator (TEG DEHY #1) is designed to use only glycol which is not a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5).

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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. The permittee shall report the use of any material other than glycol in this emissions unit within 30 days after the occurrence.

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0238000049 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>
Maloney-Crawford 1.5 mmBtu/hr. Natural Gas-Fueled, Triethylene Glycol Reheater/Gas Dehydration System with Flare Control System. (B008)	PTI No. 02-3810 OAC 3745-31-05	see B.I.2.

2. Additional Terms and Conditions

- a. The emissions unit shall be equipped with a flare to control organic compound emissions. The flare shall be fired with natural gas and shall be operated with a 95% destruction efficiency.
- b. The flare shall be designed and operated in a manner that will ensure no visible emissions, as determined by 40 CFR 60.18(f), except for periods not to exceed a total of five minutes during any two consecutive hours.
- c. The flare shall be operated at all times when emissions may be vented to it, as determined by methods specified in 40 CFR 60.18(f).
- d. The flare shall be used only when the net heating value of the gas being combusted is two hundred Btu/scf or greater. The net heating value of the gas being combusted shall be determined by the methods specified in 40 CFR 60.18(f).
- e. The flare shall be designed for and operated with an exit velocity that satisfies the requirements of 40 CFR 60.18.

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The flare shall be monitored for the presence of a pilot flame using a thermocouple or any other equivalent device to detect the presence of a flame.
2. The permittee shall record the following information each month:
 - a. all periods during which there was no pilot flame; and
 - b. the operating times for the flare, monitoring equipment, and the associated emissions unit.

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IV. Reporting Requirements

1. The permittee shall submit semi-annual deviation (excursion) reports that identify all periods during which the pilot flame or flare was not functioning properly, and the emissions unit was not shut down. The reports shall include the date, time, and duration of each such period, and shall be submitted by January 31 and July 31 of each year and shall cover the previous six calendar months.

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V. **Testing Requirements**

1. Compliance with the emissions limitation in Section B.I. of these terms and conditions shall be determined in accordance with the following method:
 - a. Emission Limitation: 95% destruction efficiency for the flare.

Applicable Compliance Method: If the flare complies with the control requirements specified in B.I.2.b, B.I.2.d, and B.I.2e, it is assumed that compliance with the 95% destruction efficiency will be maintained.
 - b. Emission Limitation: No visible emissions, as specified in B.2.b

Applicable Compliance Method: 40 CFR Part 60, Appendix A, Reference Method 22. No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

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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: 0238000049 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>
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Maloney-Crawford 1.0 mmBtu/hr. Natural Gas-Fueled, Triethylene Glycol Reheater/Gas Dehydration System with Flare Control System. (B009)	OAC rule 3745-21-07(G)	See A.I.2.a. below.
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2. **Additional Terms and Conditions**

- a. The dehydrator (TEG DEHY #2) is designed to use only glycol which is not a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5).

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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. The permittee shall report the use of any material other than glycol in this emissions unit within 30 days after the occurrence.

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0238000049 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>
Maloney-Crawford 1.0 mmBtu/hr. Natural Gas-Fueled, Triethylene Glycol Reheater/Gas Dehydration System with Flare Control System. (B009)	PTI No. 02-3810 OAC 3745-31-05	see B.I.2.

2. **Additional Terms and Conditions**

- a. The emissions unit shall be equipped with a flare to control organic compound emissions. The flare shall be fired with natural gas and shall be operated with a 95% destruction efficiency.
- b. The flare shall be designed and operated in a manner that will ensure no visible emissions, as determined by 40 CFR 60.18(f), except for periods not to exceed a total of five minutes during any two consecutive hours.
- c. The flare shall be operated at all times when emissions may be vented to it, as determined by methods specified in 40 CFR 60.18(f).
- d. The flare shall be used only when the net heating value of the gas being combusted is two hundred Btu/scf or greater. The net heating value of the gas being combusted shall be determined by the methods specified in 40 CFR 60.18(f).
- e. The flare shall be designed for and operated with an exit velocity that satisfies the requirements of 40 CFR 60.18.

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II. **Operational Restrictions**

1. None

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

1. The flare shall be monitored for the presence of a pilot flame using a thermocouple or any other equivalent device to detect the presence of a flame.
2. The permittee shall record the following information each month:
 - a. all periods during which there was no pilot flame; and
 - b. the operating times for the flare, monitoring equipment, and the associated emissions unit.

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IV. **Reporting Requirements**

1. The permittee shall submit semi-annual deviation (excursion) reports that identify all periods during which the pilot flame or flare was not functioning properly, and the emissions unit was not shut down. The reports shall include the date, time, and duration of each such period, and shall be submitted by January 31 and July 31 of each year and shall cover the previous six calendar months.

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V. **Testing Requirements**

1. Compliance with the emissions limitation in Section B.I. of these terms and conditions shall be determined in accordance with the following method:
 - a. Emission Limitation: 95% destruction efficiency for the flare.

Applicable Compliance Method: If the flare complies with the control requirements specified in B.1.2.b, B.1.2.d, and B.1.2e, it is assumed that compliance with the 95% destruction efficiency will be maintained.
 - b. Emission Limitation: No visible emissions, as specified in B.2.b

Applicable Compliance Method: 40 CFR Part 60, Appendix A, Reference Method 22. No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

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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: 0238000049 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>
Waukesha Model F18GL, 335 HP, 2.48 mmBtu/hr. Natural Gas-Fired, Reciprocating Engine/Aux. Generator (B010)	OAC Rule 3745-17-11	Particulate emissions from this emissions unit shall not exceed 0.25 pound per million Btu (lb/mmBtu) of actual heat input.

OAC Rule 3745-17-07

Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except for a period of not more than six (6) consecutive minutes in any sixty-minute period. Visible particulate emissions shall not exceed sixty (60) percent opacity, as a six-minute average, at any time.

2. **Additional Terms and Conditions**

- (a) None

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II. **Operational Restrictions**

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

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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, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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IV. **Reporting Requirements**

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

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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: 0.25 pound particulate matter per mBtu of actual heat input.

Applicable Compliance Method: Compliance shall be based upon the use of an emission factor as specified in AP-42, "Compilation of Air Pollution Emission Factors" (7/93), section 3.2, table 3.2-4. If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the particulate emissions limits of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 5, and in OAC 3745-17-03(B)(7).

- b. Emissions Limitation: Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except for a period of not more than six (6) consecutive minutes in any sixty-minute period. Visible particulate emissions shall not exceed sixty (60) percent opacity, as a six-minute average, at any time.

Applicable Compliance Method: Compliance shall be determined through visible emission observations in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1). No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0238000049 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>
Waukesha Model F18GL, 335 HP, 2.48 mmBtu/hr. Natural Gas-Fired, Reciprocating Engine/Aux. Generator (B010)	OAC 3745-31-05 PTI No. 02-7836	see B.I.2.

2. Additional Terms and Conditions

- a. Nitrogen oxide (NOx) emissions from this emissions unit shall not exceed 4.0 grams per horsepower-hour or 2.95 lbs/hr and 1.48 TPY.
- b. Non-methane VOC emissions from this emissions unit shall not exceed 1.0 gram per horsepower-hour or 0.74 lb/hr and 0.37 TPY.

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II. Operational Restrictions

1. This natural gas-fired engine-generator shall operate no more than 1000 hours per year.

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III. Monitoring and/or Record Keeping Requirements

1. This facility shall maintain records of the total number of hours each month that this emissions unit was operated (i.e., engine firing natural gas and driving the auxiliary electrical generator).

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IV. Reporting Requirements

1. The permittee shall submit an annual report to the OEPA District Office which summarizes the monthly and annual hours of operation for this emissions unit. This report shall be submitted by February 15 each year for engine operations for the previous calendar year.

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V. Testing Requirements

1. Compliance with the NOx and non-methane VOC emissions limits specified in Section B.I.2. above shall be determined using calculations based on the annual hours of engine operation, the maximum horsepower rating of the engine, and the manufacturer's guaranteed NOx and non-methane VOC emissions factors stated in technical data included with the application for PTI No. 02-7836.

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VI. Miscellaneous Requirements

1. None