

Facility ID: 1318004933 Issuance type: Title V Proposed Permit

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

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

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## Part II - Specific Facility Terms and Conditions

### a State and Federally Enforceable Section

1. None

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### b State Only Enforceable Section

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

B001 - boiler #1 (1.554 MMBTU/hr)  
B002 - boiler #2 (1.554 MMBTU/hr)  
B003 - boiler #3 (1.554 MMBTU/hr)  
B004 - boiler #4 (1.554 MMBTU/hr)  
B005 - boiler #5 (1.554 MMBTU/hr)  
B006 - boiler #6 (1.554 MMBTU/hr)  
B007 - boiler #7 (1.554 MMBTU/hr)  
B008 - boiler #8 (1.554 MMBTU/hr)  
B009 - boiler #9 (1.68 MMBTU/hr)  
B010 - boiler #10 (0.77 MMBTU/hr)  
B011 - boiler #11 (1.8 MMBTU/hr)  
Z007 - natural gas-fired emergency generator (189 HP)  
Z009 - gasoline/diesel fuel tank

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

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- [Go to Part III for Emissions Unit K002](#)
- [Go to Part III for Emissions Unit P001](#)
- [Go to Part III for Emissions Unit P002](#)
- [Go to Part III for Emissions Unit P003](#)
- [Go to Part III for Emissions Unit P004](#)
- [Go to Part III for Emissions Unit Z005](#)
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**Part III - Terms and Conditions for Emissions Units**

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Facility ID: 1318004933 Emissions Unit ID: K001 Issuance type: Title V Proposed Permit

**A. State and Federally Enforceable Section**

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

1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth for metal parts	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	The particulate emissions from this emissions unit shall not exceed 0.551 pound per hour (lb/hr).
	OAC rule 3745-21-09(U)(2)(e)(ii)	See A.I.2.a and A.II.1 below.

**2. Additional Terms and Conditions**

- a. Although the requirements of OAC rule 3745-21-09(U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09(U)(2)(e)(ii) is not part of the federally-approved SIP (for the Cleveland/Akron ozone area). The rule has been revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of USEPA's acceptance in writing; therefore, the 3 gallons per day usage restriction in Section A.II.1 below will apply as the exemption level while OAC rule 3745-21-09(U) is being approved by USEPA, as well as after USEPA approval.

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**II. Operational Restrictions**

1. The permittee shall not employ more than 3.0 gallons of coating in any one day in any one of the individual paint booths.
2. The permittee shall only operate this emissions unit with the filters in place.
3. The permittee shall replace the filters on a daily basis on days when the emissions unit is operated.

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

1. The permittee shall collect and record the following information each day for emissions unit:
  - a. the name and identification number of each coating employed;
  - b. the volume, in gallons, of each coating employed;
  - c. the total volume, in gallons, of all the coatings employed; and

d. whether or not the filters were in service when the emissions unit was in operation.

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**IV. Reporting Requirements**

1. The permittee shall notify the Director (Cleveland Bureau of Air Pollution Control), in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. A copy of such record shall be sent to the Director within 30 days after the exceedance occurs.
2. The permittee shall notify the Director (Cleveland Bureau of Air Pollution Control) in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event 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 method(s):
  - a. Emission Limitation: 0.551 lb/hr of particulates
 

Applicable Compliance Method: Compliance shall be demonstrated by multiplying the density of the paint by the solids content percent (%) by weight, multiplied by (1-.30, transfer efficiency) multiplied by the amount of paint used per hour multiplied by (1-.95, control efficiency of the filters).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03 (B)(9).
  - b. Emission Limitation: 20% opacity as a six-minute average
 

Applicable Compliance Method: If required, 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).

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**VI. Miscellaneous Requirements**

1. None

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Facility ID: 1318004933 Emissions Unit ID: K001 Issuance type: Title V Proposed Permit

**B. State Enforceable Section**

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

1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. <b>Additional Terms and Conditions</b>		
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: 1318004933 Emissions Unit ID: K002 Issuance type: Title V Proposed Permit**

**A. State and Federally Enforceable Section**

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

- 1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth for metal parts	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	The particulate emissions from this emissions unit shall not exceed 0.551 pound per hour (lb/hr).
	OAC rule 3745-21-09(U)(2)(e)(ii)	See A.I.2.a and A.II.1 below.

**2. Additional Terms and Conditions**

- a. Although the requirements of OAC rule 3745-21-09(U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09(U)(2)(e)(ii) is not part of the federally-approved SIP (for the Cleveland/Akron ozone area). The rule has been revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of USEPA's acceptance in writing; therefore, the 3 gallons per day usage restriction in Section A.II.1 below will apply as the exemption level while OAC rule 3745-21-09(U) is being approved by USEPA, as well as after USEPA approval.

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**II. Operational Restrictions**

1. The permittee shall not employ more than 3.0 gallons of coating in any one day in any one of the individual paint booths.
2. The permittee shall only operate this emissions unit with the filters in place.
3. The permittee shall replace the filters on a daily basis on days when the emissions unit is operated.

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

1. The permittee shall collect and record the following information each day for emissions unit:
  - a. the name and identification number of each coating employed;
  - b. the volume, in gallons, of each coating employed;
  - c. the total volume, in gallons, of all the coatings employed; and
  - d. whether or not the filters were in service when the emissions unit was in operation.

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**IV. Reporting Requirements**

1. The permittee shall notify the Director (Cleveland Bureau of Air Pollution Control), in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. A copy of such record shall be sent to the Director within 30 days after the exceedance occurs.
2. The permittee shall notify the Director (Cleveland Bureau of Air Pollution Control) in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event 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 method(s):
  - a. Emission Limitation: 0.551 lb/hr of particulates  
  
Applicable Compliance Method: Compliance shall be demonstrated by multiplying the density of the paint by the solids content percent (%) by weight, multiplied by (1-.30, transfer efficiency) multiplied by the amount of paint used per hour multiplied by (1-.95, control efficiency of the filters).  
  
If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03 (B)(9).
  - b. Emission Limitation: 20% opacity as a six-minute average  
  
Applicable Compliance Method: If required, 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).

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**VI. Miscellaneous Requirements**

1. None

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**Facility ID: 1318004933 Emissions Unit ID: K002 Issuance type: Title V Proposed Permit**

**B. State Enforceable Section**

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

- 1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
<b>2. Additional Terms and Conditions</b>		
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: 1318004933 Emissions Unit ID: P001 Issuance type: Title V Proposed Permit

**A. State and Federally Enforceable Section**

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

- 1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
stationary small internal combustion Caterpillar engine, model G-379, 349 HP, natural gas-fired, with a maximum heat input rating of 2.74 mmBtu/hr, used for the distribution of natural gas	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)(a)	The particulate emissions from the engine's exhaust shall not exceed 0.310 pound per million Btu (lb/mmBtu) of actual heat input.
	OAC rule 3745-18-06(A)	See section A.I.2.a below.  exempt (See section A.II.1 below.)

2. **Additional Terms and Conditions**

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

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II. **Operational Restrictions**

1. 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.1. of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation: 0.310 lb of particulates/mmBtu of actual heat input.
 

Applicable Compliance Method: Compliance with the particulates emission limit of 0.310 pound per million Btu of actual heat input is demonstrated by the use of the AP-42, Supplement F, Section 3.2, (7/00) emission factor 0.0000771 lb of particulates/million Btu of actual heat input. Emission tests also may be required in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03. No 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).
  - b. Emission Limitation: 20% opacity as a six-minute average.
 

Applicable Compliance Method: If required, 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).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318004933 Emissions Unit ID: P001 Issuance type: Title V Proposed Permit

#### B. State Enforceable Section

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

1. None.

#### I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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: 1318004933 Emissions Unit ID: P002 Issuance type: Title V Proposed Permit

**A. State and Federally Enforceable Section**

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

1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
stationary small internal combustion Caterpillar engine, model G-379, 349 HP, natural gas-fired, with a maximum heat input rating of 2.74 mmBtu/hr, used for the distribution of natural gas	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)(a)	The particulate emissions from the engine's exhaust shall not exceed 0.310 pound per million Btu (lb/mmBtu) of actual heat input.
	OAC rule 3745-18-06(A)	See section A.I.2.a below.  exempt (See section A.II.1 below.)

**2. Additional Terms and Conditions**

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

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**II. Operational Restrictions**

1. 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.1. of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation: 0.310 lb of particulates/mmBtu of actual heat input.  
  
Applicable Compliance Method: Compliance with the particulates emission limit of 0.310 pound per million Btu of actual heat input is demonstrated by the use of the AP-42, Supplement F, Section 3.2, (7/00) emission factor 0.0000771 lb of particulates/million Btu of actual heat input. Emission tests also may be required in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03. No 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).
  - b. Emission Limitation: 20% opacity as a six-minute average.

Applicable Compliance Method: If required, 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).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318004933 Emissions Unit ID: P002 Issuance type: Title V Proposed Permit

**B. State Enforceable Section**

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

- 1. None.

I. **Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. <b>Additional Terms and Conditions</b>			
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: 1318004933 Emissions Unit ID: P003 Issuance type: Title V Proposed Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
stationary small internal combustion Caterpillar engine, model G-379, 349 HP, natural gas-fired, with a maximum heat input rating of 2.74 mmBtu/hr, used for the distribution of natural gas	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)(a)	The particulate emissions from the engine's exhaust shall not exceed 0.310 pound per million Btu (lb/mmBtu) of actual heat input.
	OAC rule 3745-18-06(A)	See section A.I.2.a below.  exempt (See section A.II.1 below.)

2. Additional Terms and Conditions

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

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II. Operational Restrictions

1. 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.1. of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation: 0.310 lb of particulates/mmBtu of actual heat input.

Applicable Compliance Method: Compliance with the particulates emission limit of 0.310 pound per million Btu of actual heat input is demonstrated by the use of the AP-42, Supplement F, Section 3.2, (7/00) emission factor 0.0000771 lb of particulates/million Btu of actual heat input. Emission tests also may be required in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03. No 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).

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

Applicable Compliance Method: If required, 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).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318004933 Emissions Unit ID: P003 Issuance type: Title V Proposed Permit

**B. State Enforceable Section**

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

- 1. None.

I. **Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. <b>Additional Terms and Conditions</b>			
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: 1318004933 Emissions Unit ID: P004 Issuance type: Title V Proposed Permit**

**A. State and Federally Enforceable Section**

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

1. None.

I. **Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
stationary small internal combustion Caterpillar engine, model G- 379, 349 HP, natural gas-fired, with a maximum heat input rating of 2.74 mmBtu/hr, used for the distribution of natural gas	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)(a)	The particulate emissions from the engine's exhaust shall not exceed 0.310 pound per million Btu (lb/mmBtu) of actual heat input.
	OAC rule 3745-18-06(A)	See section A.I.2.a below.
		exempt (See section A.II.1 below.)

2. **Additional Terms and Conditions**

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

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II. **Operational Restrictions**

1. 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.1. of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation: 0.310 lb of particulates/mmBtu of actual heat input.
 

Applicable Compliance Method: Compliance with the particulates emission limit of 0.310 pound per million Btu of actual heat input is demonstrated by the use of the AP-42, Supplement F, Section 3.2, (7/00) emission factor 0.0000771 lb of particulates/million Btu of actual heat input. Emission tests also may be required in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03. No 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).
  - b. Emission Limitation: 20% opacity as a six-minute average.
 

Applicable Compliance Method: If required, 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).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318004933 Emissions Unit ID: P004 Issuance type: Title V Proposed Permit

**B. State Enforceable Section**

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

1. None.

I. **Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
stationary small internal combustion Caterpillar engine, model G-379, 349 HP, natural gas-fired, with a maximum heat input rating of 2.74 mmBtu/hr, used for the distribution of natural gas	OAC rule 3745-31-05(A)(3) (PTI 13-3016)	12.62 lbs/hr of nitrogen oxides (NOx) 55.27 tons per year (TPY) of NOx 1.12 lbs/hr of carbon monoxide (CO) 4.89 TPY of CO
		See B.II.1 below.

2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

1. This emission unit is one of four prime movers (P001 - P004) at this location. In accordance with PTI 13-3016, the permittee is allowed to operate a maximum of only three of these prime movers at the same time.

2. This emissions unit must operate at an air-to-fuel ratio in the range of 10.0 : 1.0 through 14.0 : 1.0.

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

1. The permittee shall maintain daily records of the following:
  - a. the actual hours of operation;
  - b. the total natural gas usage in mm cubic feet; and
  - c. the air-to-fuel ratio setting of the emissions unit.
2. The permittee shall maintain daily records of the number of prime movers (P001-P004) in operation simultaneously.

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### IV. Reporting Requirements

1. The permittee shall submit quarterly reports to the Director (Cleveland Bureau of Air Pollution Control) which shall provide the following information:
  - a. the pounds of NOx and CO emitted per day;
  - b. the hours of operation per day;
  - c. the average hourly NOx and CO emission rates for each day during the calendar quarter (i.e., (a) divided by (b)); and
  - d. the total NOx and CO emissions for each month during the calendar quarter.

These quarterly reports shall be submitted by January 30, April 30, July 30 and October 30 of each year and shall address the data obtained during the previous calendar quarter.
2. The permittee shall submit annual reports to the Director (Cleveland Bureau of Air Pollution Control) which specify the total annual NOx and CO emissions, in tons. These reports shall be submitted by January 30 of each calendar year.
3. The permittee shall submit quarterly deviation reports that identify each day that more than 3 of the 4 prime movers (P001 - P004) were in simultaneous operation. The deviation reports shall be submitted in accordance with the requirements specified in Part I of the General Terms and Conditions of this permit.
4. The permittee shall submit quarterly deviation reports that identify each day that the air-to-fuel ratio was not within the above restricted range of operation. The deviation reports shall be submitted in accordance with the requirements specified in Part I of the General Terms and Conditions of this permit.

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### V. Testing Requirements

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

12.62 lbs/hr of NOx and 55.27 TPY of NOx

Applicable Compliance Method:  
Compliance with the hourly emission limit may be determined by multiplying an emission factor of 4.08 lbs NOx/mmBtu, actual heat input, by the maximum heat input rating of 2.74 mmBTU/hour. The emission factor is specified in USEPA reference document AP-42, Supplement F, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-2 (7/00).

The daily NOx emission rate shall be calculated based upon the actual daily gas usage, using the following formula:

$$N = 4.08 \text{ lbs NOx/mmBtu} \times 1000 \text{ Btu/cu. ft.} \times A$$

where: N is the daily calculated NOx emission rate in lbs/day; and  
A is the daily natural gas usage rate in mm cu.ft.

Compliance with the annual emission limit shall be determined based on the record keeping and reporting requirements in section B.III.

If required, the permittee shall demonstrate compliance with the hourly emission limitation by testing of the exhaust gases using Methods 1-4 and Method 7 or 7e of 40 CFR, Part 60, Appendix A.
  - b. Emission Limitations:
 

1.12 lbs/hr of CO and 4.89 TPY of CO

**Applicable Compliance Method:**

Compliance with the hourly emission limit shall be determined by multiplying an emission factor of 0.317 lbs CO/ mmBtu, actual heat input, by the maximum heat input rating of 2.74 mmBtu/hour. The emission factor is specified in USEPA reference document AP-42, Supplement F, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-2 (7/00).

The daily CO emission rate shall be calculated based upon the actual daily gas usage, using the following formula:

$$C = 0.317 \text{ lbs CO/mmBtu} \times 1000 \text{ Btu/cu. ft.} \times A$$

where: C is the daily calculated CO emission rate in lbs/day; and  
A is the daily natural gas usage rate in mm cu. ft.

Compliance with the annual emission limit shall be determined based on the record keeping and reporting requirements in section B.III.

If required, the permittee shall demonstrate compliance with the hourly emission limitation by testing of the exhaust gases using 40 CFR Part 60, Appendix A, Method 10.

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**VI. Miscellaneous Requirements**

- 1. None

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**Facility ID: 1318004933 Emissions Unit ID: Z005 Issuance type: Title V Proposed Permit**

**A. State and Federally Enforceable Section**

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

- 1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Minneapolis-Moline engine rated 240 HP, natural gas-fired, with a maximum heat input capacity of 1.87 mm Btu/hour, used for the distribution of natural gas	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)(a)	The particulate emissions from the engine's exhaust shall not exceed 0.310 pound per million Btu (lb/MMBtu) of actual heat input.
	OAC rule 3745-18-06(A)	See section A.I.2.a below. exempt (See section A.II.1 below.)

**2. Additional Terms and Conditions**

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

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**II. Operational Restrictions**

1. 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.1.1. of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation: 0.310 lb of particulates/MMBtu of actual heat input.

Applicable Compliance Method: Compliance with the particulates emission limit of 0.310 pound per million Btu of actual heat input is demonstrated by the use of the AP-42, Supplement F, Section 3.2, (7/00) (emission factor 0.0000771 lb of particulates/million Btu of actual heat input). Emission tests also may be required in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03. No 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).

- b. Emissions Limitation: 20% opacity as a six-minute average.

Applicable Compliance Method: If required, 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).

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**VI. Miscellaneous Requirements**

1. None

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**Facility ID: 1318004933 Emissions Unit ID: Z005 Issuance type: Title V Proposed Permit**

**B. State Enforceable Section**

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

1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. <b>Additional Terms and Conditions</b>		

- 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: 1318004933 Emissions Unit ID: Z006 Issuance type: Title V Proposed Permit

**A. State and Federally Enforceable Section**

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

- 1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Minneapolis-Moline engine rated 240 HP, natural gas-fired, with a maximum heat input capacity of 1.87 mm Btu/hour, used for the distribution of natural gas	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)(a)	The particulate emissions from the engine's exhaust shall not exceed 0.310 pound per million Btu (lb/MMBtu) of actual heat input.
	OAC rule 3745-18-06(A)	See section A.I.2.a below. exempt (See section A.II.1 below.)

**2. Additional Terms and Conditions**

- a. The emission limitation specified in this rule citation has been revised based upon a change in the

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

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**II. Operational Restrictions**

1. 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.1.1. of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation: 0.310 lb of particulates/MMBtu of actual heat input.

Applicable Compliance Method: Compliance with the particulates emission limit of 0.310 pound per million Btu of actual heat input is demonstrated by the use of the AP-42, Supplement F, Section 3.2, (7/00) (emission factor 0.0000771 lb of particulates/million Btu of actual heat input). Emission tests also may be required in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03. No 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).

- b. Emissions Limitation: 20% opacity as a six-minute average.

Applicable Compliance Method: If required, 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).

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**VI. Miscellaneous Requirements**

1. None

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Facility ID: 1318004933 Emissions Unit ID: Z006 Issuance type: Title V Proposed Permit

**B. State Enforceable Section**

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

1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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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