

Facility ID: 0145000018 Issuance type: Title V Draft Permit

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

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

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

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Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

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

Z001 - 500 KW emergency Kohler diesel generator

Z002 - 500 KW emergency Cummins model 500 DFEK diesel generator

Each insignificant emissions unit at this facility must comply with all applicable State and Federal regulations, as well as any emission limitations and/or control requirements contained within the identified permit to install for the emissions unit. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more applicable requirements contained in the federally-approved versions of OAC Chapter 3745-17, 3745-18, and /or 3745-21.

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b State Only Enforceable Section

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0145000018 Emissions Unit ID: B001 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|--|--------------------------------------|---|
| 59 mmBtu/hr coal-fired boiler vented to a baghouse | 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 rule. |
| | OAC rule 3745-17-10(C)(1) | Particulate emissions shall not exceed 0.234 lb/mmBtu actual heat input. |
| | OAC rule 3745-18-51(C) | Sulfur dioxide emissions shall not exceed 6.2 lbs/mmBtu actual heat input. |

2. Additional Terms and Conditions

- a. Pursuant to OAC rule 3745-17-10, the total heat input for B001 is derated from 75 mmBtu/hr to 59 mmBtu/hr. (The derated total heat input of 59 mmBtu/hr corresponds to a steam load of 44,250 lbs/hr.) Using the derated total heat input, the allowable particulate emissions rate for B001, from Figure I of OAC rule 3745-17-10, is 0.234 lb/mmBtu actual heat input.

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II. Operational Restrictions

1. The quality of the coal burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in Section A.I above.
 (Authority for term: OAC rule 3745-77-07 (A)(1))
2. At no time shall the steam flow rate from B001 exceed 44,450 lbs/hr (as an average over any one-hour period).
 (Authority for term: OAC rule 3745-77-07 (A)(1))
3. The emissions from this emissions unit shall be vented to the baghouse at all times the emissions unit is in operation.
 (Authority for term: OAC rule 3745-77-07 (A)(1))

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect a representative sample of each shipment of coal which is received for burning. The coal sampling shall be performed in accordance with ASTM method D2234, Collection of a Gross Sample of Coal. At the end of each calendar month, the representative samples of coal from all shipments of coal which were received during that calendar month shall be combined into one composite-sample.

 Each monthly composite sample of coal shall be analyzed for ash content (percent), sulfur content (percent), and heat content (Btu/pound of coal). The analytical methods for ash content, sulfur content and heat content shall be: ASTM method D3174, Ash in the Analysis of Coal and Coke; ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis

Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D2015, Gross Calorific Value of Solid Fuel by the Adiabatic Bomb Calorimeter, ASTM method D3286, Gross Calorific Value of Coal and Coke by the Isothermal Bomb Calorimeter, or ASTM method D1989, Standard Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Isothermal Bomb Calorimeters, respectively. Alternative, equivalent methods may be used upon written approval from the Ohio EPA, Central District Office.

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

2. The permittee shall maintain monthly records of the total quantity of coal received and the results of the analyses for sulfur content and heat content and the calculated sulfur dioxide emission rate (in lbs/mmBtu) based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of coal during a calendar month.

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

3. The permittee shall operate and maintain equipment to continuously monitor and record the opacity of the visible particulate emissions from this emissions unit. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

Each continuous monitoring system consists of all the equipment used to acquire data and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data recording/processing hardware and software.

The permittee shall maintain a certification letter from the Ohio EPA documenting that the continuous opacity monitoring system has been certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. The letter of certification shall be made available to the Director upon request.

The permittee shall maintain records of the following data obtained by the continuous opacity monitoring system: percent opacity on a 6-minute block average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

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

4. The permittee shall maintain a written quality assurance/quality control plan for the continuous opacity monitoring system designed to ensure continuous valid and representative readings of opacity. The plan shall include, as a minimum, conducting and recording daily automatic zero/span checks, provisions for conducting a quarterly audit of the continuous opacity monitoring system, and a description of preventive maintenance activities. The plan shall describe step by step procedures for ensuring that sections 7.1.4, 7.4.1, 7.4.2, and Table 1-1 of Performance Specification 1 are maintained on a continuous basis. The quality assurance/quality control plan and a logbook dedicated to the continuous opacity monitoring system must be kept on site and available for inspection during regular office hours.

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

5. The permittee shall operate and maintain equipment to continuously monitor and record the steam flow rate from B001. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The steam flow rate monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

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

6. The acceptable range for the pressure drop across the baghouse shall be based upon the manufacturer's specifications until such time as any required emission testing is conducted.

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

7. The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on daily basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s).

Whenever the monitored value for the pressure drop deviates from the limit or range specified in this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

- a. the date and time the deviation began;
- b. the magnitude of the deviation at that time;
- c. the date the investigation was conducted;
- d. the name(s) of the personnel who conducted the investigation; and
- e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

- f. a description of the corrective action;
- g. the date corrective action was completed;
- h. the date and time the deviation ended;
- i. the total period of time (in minutes) during which there was a deviation;
- j. the pressure drop readings immediately after the corrective action was implemented; and

- k. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

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

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IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Central District Office) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon a volume-weighted average of the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Central District Office) within 45 days after the deviation occurs.

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

2. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Ohio EPA, Central District Office documenting all instances of opacity values in excess of the limitations specified in OAC rule 3745-17-07, detailing the date, commencement and completion times, duration, magnitude (percent opacity), reason (if known), and corrective actions taken (if any) of each 6-minute block average above the applicable opacity limitation(s).

If there are no excess visible particulate emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit, control equipment, and/or monitoring system malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report.

The reports shall also identify any excursions of the start-up and shutdown provisions specified in OAC rule 3745-17-07(A)(3) and document any continuous opacity monitoring system downtime while the emissions unit was on line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

These quarterly excess emission 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.

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

3. If for any reason the steam flow rate from B001 exceeds 44,450 lbs/hr, the following information shall be reported within 5 days after the exceedance:
 - a. the date of the exceedance;
 - b. the time interval over which the exceedance occurred;
 - c. the value of the exceedance;
 - d. the cause(s) of the exceedance;
 - e. the corrective action which has been or will be taken to prevent similar exceedances in the future; and
 - f. a copy of the steam chart which shows the exceedance.

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

4. The permittee shall submit quarterly reports that identify the following information concerning the operation of the baghouse during the operation of the emissions unit(s):
 - a. each period of time when the pressure drop across the baghouse was outside of the range specified by the manufacturer and outside of the acceptable range following any required compliance demonstration;
 - b. an identification of each incident of deviation described in "a" (above) where a prompt investigation was not conducted;
 - c. an identification of each incident of deviation described in "a" where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and
 - d. an identification of each incident of deviation described in "a" where proper records were not maintained for the investigation and/or the corrective action(s).

These quarterly reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

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

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V. **Testing Requirements**

- a. Compliance with the emission limitation(s) in Section A.I of these terms and conditions shall be determined in accordance with the following method(s):

1. Emission Limitation -
20% opacity, as a 6-minute average, except as provided by rule

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

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

- b. Emission Limitation -
particulate emissions shall not exceed 0.234 lb/mmBtu actual heat input

Applicable Compliance Method -
The permittee shall conduct, or have conducted, particulate emission testing for this emissions unit to demonstrate compliance with the allowable mass emission rate for particulate matter in accordance with the following requirements:

- i. The emission testing shall be conducted within 6 months prior to permit expiration.
- ii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate: Methods 1 through 5, 40 CFR Part 60, Appendix A.
- iii. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Central District Office.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Central District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Central District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA, Central District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

- b. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Central District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Central District Office.

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

- c. Emission Limitation -
sulfur dioxide emissions shall not exceed 6.2 lbs/mmBtu actual heat input

Applicable Compliance Method -
Compliance shall be determined by using the fuel analysis records required pursuant to Section A.III.2 and the applicable equation in OAC rule 3745-18-04(F).

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

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0145000018 Emissions Unit ID: B001 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

1. None

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

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: 0145000018 Emissions Unit ID: B002 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|--------------------------------------|---|
| 25.23 mmBtu/hr Union natural gas-fired boiler | 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 rule. |
| | OAC rule 3745-17-10(B)(1) | Particulate emissions shall not exceed 0.020 lb/mmBtu actual heat input. |
| | OAC rule 3745-18-06 | None, exempt pursuant to OAC rule 3745-18-06(A). |
| | OAC rule 3745-31-05 (PTI 01-6803) | Nitrogen oxides emissions shall not exceed 3.54 lbs/hr and 15.47 tons/yr. |
| | | Particulate emissions shall not exceed 0.33 ton/yr. |
| | | See A.2.a below. |

2. Additional Terms and Conditions

- a. These allowable emission rates reflect the potential to emit for particulate and nitrogen oxides emissions. Therefore no additional monitoring, record keeping, or reporting is required to demonstrate compliance.

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II. Operational Restrictions

- a. The permittee shall burn only natural gas in this emissions unit.
1. (Authority for term: OAC rule 3745-77-07 (A)(1))

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III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- (Authority for term: OAC rule 3745-77-07 (C)(1))

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
- (Authority for term: OAC rule 3745-77-07 (C)(1))

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation - 20% opacity, as a 6-minute average, except as provided by rule

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

(Authority for term: OAC rule 3745-77-07 (C)(1))
 - b. Emission Limitation - Particulate emissions shall not exceed 0.020 lb/mmBtu actual heat input

Applicable Compliance Method -

Compliance with this emission limitation shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (0.02523 mmcf/hr) by the AP-42 emission factor for natural gas (6.2 lbs particulate/mmcf), and dividing by the maximum hourly heat input capacity of the emissions unit (25.23 mmBtu/hr). 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).

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

- c. Emission Limitation - Nitrogen oxides emissions shall not exceed 3.54 lbs/hr

Applicable Compliance Method -

Compliance with this emission limitation shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (0.02523 mmcf/hr) by the AP-42 emission factor for natural gas (140.0 lbs of nitrogen oxides/mmcf). If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

(Authority for term: OAC rule 3745-77-07 (C)(1)) and PTI #01-6803)

- e. Emission Limitations - Particulate emissions shall not exceed 0.33 ton/yr and nitrogen oxides emissions shall not exceed 15.47 tons/yr

Applicable Compliance Method -

These allowable emission rates reflect the potential to emit for particulate and nitrogen oxides emissions. Compliance with the short term emission rates for particulate and nitrogen oxides emissions will ensure compliance with these limitations.

(Authority for term: OAC rule 3745-77-07 (C)(1)) and PTI #01-6803

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VI. **Miscellaneous Requirements**

- 1. None

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B. State Enforceable Section

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

- 1. None.

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

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

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|--------------------------------------|--|
| 2. Additional Terms and Conditions | | |
| 1. None | | |

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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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> |
|--|--------------------------------------|---|
| 53.37 mmBtu/hr Cleaver Brooks natural gas-fired boiler | 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 rule. |
| | OAC rule 3745-17-10(B)(1) | Particulate emissions shall not exceed 0.020 lb/mmBtu actual heat input. |
| | 40 CFR Part 60, Subpart Dc | None. See A.III below. |
| | OAC rule 3745-18-06 | None, exempt pursuant to OAC rule 3745-18-06(A). |
| | OAC rule 3745-31-05 (PTI 01-6803) | Nitrogen oxides emissions shall not exceed 7.47 lbs/hr and 32.73 tons/yr. |
| | | Particulate emissions shall not exceed 0.70 ton/yr. |

See A.2.b below.

2. **Additional Terms and Conditions**

- a. The permittee shall only burn natural gas in this emissions unit.
- b. These allowable emission rates reflect the potential to emit for particulate and nitrogen oxides emissions. Therefore no additional monitoring, record keeping, or reporting is required to demonstrate compliance.

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II. Operational Restrictions

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

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

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall record and maintain records of the amount of natural gas combusted during each day.

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

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

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

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IV. Reporting Requirements

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

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

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V. Testing Requirements

- a. Compliance with the emission limitation(s) in Section B.I of these terms and conditions shall be determined in accordance with the following method(s):

1. Emission Limitation -
20% opacity, as a 6-minute average, except as provided by rule

Applicable Compliance Method -

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

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

- b. Emission Limitation-
Particulate emissions shall not exceed 0.020 lb/mmBtu actual heat input

Applicable Compliance Method-

Compliance with this emission limitation shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (0.05337 mmcf/hr) by the AP-42 emission factor for natural gas (6.2 lbs particulate/mmcf), and dividing by the maximum hourly heat input capacity of the emissions unit (53.37 mmBtu/hr). 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).

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

- c. Emission Limitation -
Nitrogen oxides emissions shall not exceed 7.47 lbs/hr

Applicable Compliance Method -

Compliance with this emission limitation shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (0.05337 mmcf/hr) by the AP-42 emission factor for natural gas (140.0 lbs of nitrogen oxides/mmcf). If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

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

- d. Emission Limitations -
Particulate emissions shall not exceed 0.70 ton/yr and nitrogen oxides emissions shall not exceed 32.73 tons/yr

Applicable Compliance Method -

These allowable emission rates reflect the potential to emit for particulate and nitrogen oxides emissions. Compliance with the short term emission rates for particulate and nitrogen oxides emissions will ensure

compliance with these limitations.

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

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 014500018 Emissions Unit ID: B003 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

- 1. None.

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

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

| | <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---|--------------------------------------|--|
| 2. Additional Terms and Conditions | | | |
| 1. | None | | |

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None