

Facility ID: 0250110024 Issuance type: Title V Preliminary Proposed Permit

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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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Facility ID: 0250110024 Issuance type: Title V Preliminary Proposed Permit

## Part II - Specific Facility Terms and Conditions

### a State and Federally Enforceable Section

1. None

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Facility ID: 0250110024 Issuance type: Title V Preliminary Proposed Permit

### b State Only Enforceable Section

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

F001 - Roadways and Parking Areas

F002 - Ash/Coal Stockpile

F003 - Coal Unloading Activities

Z001 - Tipple/Silo Transfer

Z002 - Fuel Tank

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

- [Go to Part III for Emissions Unit B001](#)
- [Go to Part III for Emissions Unit B002](#)
- [Go to Part III for Emissions Unit B003](#)
- [Go to Part III for Emissions Unit B004](#)

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Facility ID: 0250110024 Issuance type: Title V Preliminary Proposed Permit

**Part III - Terms and Conditions for Emissions Units**

[Go to the top of this document](#)

Facility ID: 0250110024 Emissions Unit ID: B001 Issuance type: Title V Preliminary 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>
Vogt, 124 mmBtu/hr, natural gas and no. 2 oil fired boiler for steam generation	OAC 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity as a 6-minute average, except as provided by the rule.
	OAC 3745-17-10 (C)(1)	Particulate emissions shall not exceed 0.020 lb/mmBtu actual heat input.
	40 CFR Part 52.1881 (b) (40)	Sulfur dioxide emissions shall not exceed 4.75 lbs/mmBtu actual heat input.

2. **Additional Terms and Conditions**
  - (a) None

[Go to the top of this document](#)  
[Go to the top of Part III for this Emissions Unit](#)

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**II. Operational Restrictions**

1. The quality of the oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 4.75 pounds of sulfur dioxide per mmBtu of actual heat input.
2. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.

[Go to the top of this document](#)  
[Go to the top of Part III for this Emissions Unit](#)

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

1. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.
2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate in lb/mmBtu.
3. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[Go to the top of this document](#)  
[Go to the top of Part III for this Emissions Unit](#)

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**IV. Reporting Requirements**

1. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:
  - a. the total quantity of oil received in each shipment (gallons);
  - b. the weighted\* average sulfur dioxide emission rate (pounds/mmBtu) for the oil received during each calendar month; and
  - c. the weighted\* average heat content (Btu/gallon) of the oil received during each calendar month.

\*In proportion to the quantity of oil received in each shipment during the calendar month.

These quarterly reports shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover the oil shipments received during the previous calendar quarters.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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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: 20 percent opacity as a 6-minute average  
Applicable Compliance Method: OAC rule 3745-17-03(B)(1)
  - b. Emission Limitation: 0.020 pound of particulate emissions per million Btu input  
Applicable Compliance Method:  
If required, the permittee shall demonstrate compliance with this limitation in accordance with the method (s) and procedures specified in OAC rule 3745-17-03(B)(9).
  - c. Emission Limitation: 4.75 pounds of sulfur dioxide emissions per million Btu input  
Applicable Compliance Method: OAC rule 3745-18-04(E)(3) and the Recordkeeping Requirements from section A.III 1. and 2.
2. If required, the permittee shall conduct, or have conducted, SO<sub>2</sub> emission testing for this emissions unit to demonstrate compliance with the allowable mass emission rate of 4.75 lb/mmBtu actual heat input in accordance with the following requirements:
 

Compliance with the allowable mass emission rate for SO<sub>2</sub> shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 6 and 6E and the procedures in OAC rule 3745-18-04.

The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions 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 Northeast District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA 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.
3. 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 Northeast 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 Northeast District Office.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0250110024 Issuance type: Title V Preliminary Proposed Permit

[Go to the top of this document](#)

Facility ID: 0250110024 Emissions Unit ID: B001 Issuance type: Title V Preliminary 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>
Vogt, 124 mmBTU/hr, natural gas and no. 2 oil fired boiler for steam generation	OAC 3745-18-56 (E)	Sulfur dioxide emissions shall not exceed 4.70 lbs/mmBtu actual heat input.

**2. Additional Terms and Conditions**

- 1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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**II. Operational Restrictions**

- 1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

- 1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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**IV. Reporting Requirements**

- 1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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**V. Testing Requirements**

- 1. Emission Limitation: 4.70 pounds of sulfur dioxide emissions per million Btu input  
 Applicable Compliance Method: OAC rule 3745-18-04(E)(3) and the Recordkeeping Requirements from section A.III 1. and 2.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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**VI. Miscellaneous Requirements**

- 1. None

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Facility ID: 0250110024 Issuance type: Title V Preliminary Proposed Permit

**Part III - Terms and Conditions for Emissions Units**

[Go to the top of this document](#)

Facility ID: 0250110024 Emissions Unit ID: B002 Issuance type: Title V Preliminary 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>
Vogt, 113 mmBTU/hr, spreader stoker coal fired boiler for steam generation with multiclone and sidestream baghouse	OAC 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity as a 6-minute average, except as provided by the rule.
	OAC 3745-17-10 (C)(1)	Particulate emissions shall not exceed 0.14 lb/mmBtu actual heat input.
	40 CFR Part 52.1881 (b) (40)	Sulfur dioxide emissions shall not exceed 4.75 lbs/mmBtu actual heat input.

**2. Additional Terms and Conditions**

- (a) None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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**II. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 2.0 - 7.0 inches of water while the emissions unit is in operation.
2. The permittee shall ensure that the boiler gases pass through the multiclone control system. This system, including the sidestream baghouse, shall remain operational at all times and reflect those conditions that existed during the compliance monitoring stack test for this emissions unit.
3. The quality of the coal burned in this emissions unit shall be restricted to a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 4.75 pounds of sulfur dioxide per million Btu heat input.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

1. The permittee shall collect representative grab samples of the coal burned in this emissions unit on a frequency of two days per week. Each sample shall be collected from coal feeder. 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, all of the grab samples which were collected 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) and lb/mmBTU of SO<sub>2</sub>. 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 Isoperibol Calorimeters, respectively. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

2. The permittee shall maintain monthly records of the total quantity of coal burned, and the results of the analyses for ash content, sulfur content, and heat content.
3. The permittee shall operate and maintain existing equipment to continuously monitor and record the opacity of the 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 emission 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 records of all data obtained by the continuous opacity monitoring system including, but not limited to, percent opacity on a 6-minute block average basis, results of daily zero/span

calibration checks, and magnitude of manual calibration adjustments.

4. A statement of certification of the existing continuous opacity monitoring system shall be maintained on site and shall consist of a letter from the Ohio EPA detailing the results of an Agency review of the certification tests and a statement by the Agency that the system is considered certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. Proof of certification shall be made available to the Director upon request.
5. Within 180 days of the effective date of this permit, the permittee shall develop 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.
6. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the sidestream baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the sidestream baghouse on a daily basis.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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#### IV. Reporting Requirements

1. Quarterly reports shall be submitted concerning the quality and quantity of the coal burned in this emissions unit. These reports shall include the following information for the emissions unit for each calendar month during the calendar quarter:
  - a. the total quantity of coal burned (tons);
  - b. the average ash content (percent) of the coal burned;
  - c. the average sulfur content (percent) of the coal burned;
  - d. the average heat content (Btu/pound) of the coal burned; and
  - e. the average sulfur dioxide emissions rate (pounds sulfur dioxide/mmBtu actual heat input) from the coal burned.

These quarterly reports shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover the data obtained during the previous calendar quarters.
2. The permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency 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).

The permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency documenting 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.

If there are no excess 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.

3. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the sidestream baghouse did not comply with the allowable range specified above.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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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: 20 percent opacity, as a 6-minute average

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

- b. Emission Limitation: 0.14 pound of particulate emissions per million Btu input
- Applicable Compliance Method:
- The permittee shall demonstrate compliance with this limitation in accordance with the method(s) and procedures specified in OAC rule 3745-17-03(B)(9).
- c. Emission Limitation: 4.75 pounds of sulfur dioxide emissions per million Btu input
- Applicable Compliance Method:
- OAC 3745-18-04(D)(3)(b), OAC 3745-18-04(F)(1) and the Recordkeeping Requirements from section A.III 1. and 2.
- Also, records shall be maintained of the total quantities of coal received and the results of the sulfur content analyses.
2. The permittee shall conduct, or have conducted, particulate emission testing for this emissions unit to demonstrate compliance with the allowable mass emission rate of 0.14 lb/mmBtu actual heat input in accordance with the following requirements:
- The particulate emission testing shall be conducted twice during the term of this permit. Once between years 2 and 3, and once during the last year of the permit.
- Compliance with the allowable mass emission rate for particulates shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures in OAC rule 3745-17-03(B)(9).
- The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity.
- Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions 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 Northeast District Office's refusal to accept the results of the emission test(s).
- Personnel from the Ohio EPA 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.
3. If required, the permittee shall conduct, or have conducted, SO<sub>2</sub> emission testing for this emissions unit to demonstrate compliance with the allowable mass emission rate of 4.75 lb/mmBtu actual heat input in accordance with the following requirements:
- Compliance with the allowable mass emission rate for SO<sub>2</sub> shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 6 and 6E and the procedures in OAC rule 3745-18-04.
- The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity.
- Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions 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 Northeast District Office's refusal to accept the results of the emission test(s).
- Personnel from the Ohio EPA 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.
4. 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 Northeast 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 appropriate Ohio EPA Northeast District Office.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0250110024 Issuance type: Title V Preliminary Proposed Permit

[Go to the top of this document](#)

Facility ID: 0250110024 Emissions Unit ID: B002 Issuance type: Title V Preliminary 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>
Vogt, 113 mmBTU/hr, spreader stoker coal fired boiler for steam generation with multicloner and sidestream baghouse	OAC 3745-18-56 (E)	Sulfur dioxide emissions shall not exceed 4.70 lbs/mmBtu actual heat input.
<b>2. Additional Terms and Conditions</b>		
1. None		

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

#### II. Operational Restrictions

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

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

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

#### IV. Reporting Requirements

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

#### V. Testing Requirements

1. Emission Limitation: 4.70 pounds of sulfur dioxide emissions per million Btu input  
 Applicable Compliance Method:  
 OAC 3745-18-04(D)(3)(b), OAC 3745-18-04(F)(1) and the Recordkeeping Requirements from section A.III 1. and 2.  
 Also, records shall be maintained of the total quantities of coal received and the results of the sulfur content analyses.
2. The continuous opacity monitoring data shall be used to demonstrate compliance with the requirements of OAC rule 3745-17-07(A)(1). The permittee shall be deemed in compliance with OAC rule 3745-17-07(A)(1) if less than 1.5 percent of the nonexempt\* 6-minute average opacity values during a calendar quarter exceed 20 percent opacity. (Historical continuous opacity monitoring data for coal-fired boilers equipped with electrostatic precipitators or baghouses indicate that an excess emissions level of 1.5 percent (nonexempt emissions) is representative of good operation and maintenance of the emissions unit and the associated control equipment.) Compliance with the visible emission limitations in OAC rule 3745-17-07(A)(1) may also be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures in OAC rule 3745-17-03(B)(1). In the event of a discrepancy between the continuous opacity monitoring data and observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 during the same time period, the Method 9 data will take precedence for that time period.

\* exempt emissions are defined in OAC rule 3745-17-07

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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#### VI. Miscellaneous Requirements

1. A logbook documenting activities relating to the continuous opacity monitoring system must be kept on site and available for inspection during regular office hours.

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Facility ID: 0250110024 Issuance type: Title V Preliminary Proposed Permit

**Part III - Terms and Conditions for Emissions Units**

[Go to the top of this document](#)

Facility ID: 0250110024 Emissions Unit ID: B003 Issuance type: Title V Preliminary 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>
Vogt, 113 mmBTU/hr, spreader stoker coal fired boiler for steam generation with multiclone and sidestream baghouse	OAC 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity as a 6-minute average, except as provided by the rule.
	OAC 3745-17-10 (C)(1)	Particulate emissions shall not exceed 0.14 lb/mmBtu actual heat input.
	40 CFR Part 52.1881 (b) (40)	Sulfur dioxide emissions shall not exceed 4.75 lbs/mmBtu actual heat input.

**2. Additional Terms and Conditions**

- (a) None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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**II. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 2.0 - 7.0 inches of water while the emissions unit is in operation.
2. The permittee shall ensure that the boiler gases pass through the multiclone control system. This system, including the sidestream baghouse, shall remain operational at all times and reflect those conditions that existed during the compliance monitoring stack test for this emissions unit.
3. The quality of the coal burned in this emissions unit shall be restricted to a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 4.75 pounds of sulfur dioxide per million Btu heat input.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

1. The permittee shall collect representative grab samples of the coal burned in this emissions unit on a frequency of two days per week. Each sample shall be collected from coal feeder. 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, all of the grab samples which were collected 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) and lb/mmBTU of SO<sub>2</sub>. 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 Isoperibol Calorimeters, respectively. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

2. The permittee shall maintain monthly records of the total quantity of coal burned, and the results of the analyses for ash content, sulfur content, and heat content.
3. The permittee shall operate and maintain existing equipment to continuously monitor and record the opacity of the 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 emission 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 records of all data obtained by the continuous opacity monitoring system including, but not limited to, percent opacity on a 6-minute block average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.
4. A statement of certification of the existing continuous opacity monitoring system shall be maintained on site and shall consist of a letter from the Ohio EPA detailing the results of an Agency review of the certification tests and a statement by the Agency that the system is considered certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. Proof of certification shall be made available to the Director upon request.
5. Within 180 days of the effective date of this permit, the permittee shall develop 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.
6. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the sidestream baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the sidestream baghouse on a daily basis.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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#### IV. Reporting Requirements

1. Quarterly reports shall be submitted concerning the quality and quantity of the coal burned in this emissions unit. These reports shall include the following information for the emissions unit for each calendar month during the calendar quarter:
  - a. the total quantity of coal burned (tons);
  - b. the average ash content (percent) of the coal burned;
  - c. the average sulfur content (percent) of the coal burned;
  - d. the average heat content (Btu/pound) of the coal burned; and
  - e. the average sulfur dioxide emissions rate (pounds sulfur dioxide/mmBtu actual heat input) from the coal burned.

These quarterly reports shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover the data obtained during the previous calendar quarters.
2. The permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency 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).  
  
The permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency documenting 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.  
  
If there are no excess 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.
3. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the sidestream baghouse did not comply with the allowable range specified above.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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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: 20 percent opacity, as a 6-minute average  
  
Applicable Compliance Method: Compliance with the visible particulate emission limitation shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1)
  - b. Emission Limitation:  
  
0.14 pound of particulate emissions per million Btu input  
  
Applicable Compliance Method:  
  
The permittee shall demonstrate compliance with this limitation in accordance with the method(s) and procedures specified in OAC rule 3745-17-03(B)(9).
  - c. Emission Limitation:  
  
4.75 pounds of sulfur dioxide emissions per million Btu input  
  
Applicable Compliance Method:  
  
OAC 3745-18-04(D)(3)(b), OAC 3745-18-04(F)(1) and the Recordkeeping Requirements from section A.III 1. and 2.  
Also, records shall be maintained of the total quantities of coal received and the results of the sulfur content analyses.
2. The permittee shall conduct, or have conducted, particulate emission testing for this emissions unit to demonstrate compliance with the allowable mass emission rate of 0.14 lb/mmBtu actual heat input in accordance with the following requirements:  
  
The particulate emission testing shall be conducted twice during the term of this permit. Once between years 2 and 3, and once during the last year of the permit.  
  
Compliance with the allowable mass emission rate for particulates shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures in OAC rule 3745-17-03(B)(9).  
  
The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity.  
  
Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions 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 Northeast District Office's refusal to accept the results of the emission test(s).  
  
Personnel from the Ohio EPA 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.
3. If required, the permittee shall conduct, or have conducted, SO<sub>2</sub> emission testing for this emissions unit to demonstrate compliance with the allowable mass emission rate of 4.75 lb/mmBtu actual heat input in accordance with the following requirements:  
  
Compliance with the allowable mass emission rate for SO<sub>2</sub> shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 6 and 6E and the procedures in OAC rule 3745-18-04.  
  
The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity.  
  
Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions 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 Northeast District Office's refusal to accept the results of the emission test(s).  
  
Personnel from the Ohio EPA 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.
4. 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 Northeast 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 appropriate Ohio EPA Northeast District Office.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0250110024 Issuance type: Title V Preliminary Proposed Permit

[Go to the top of this document](#)

Facility ID: 0250110024 Emissions Unit ID: B003 Issuance type: Title V Preliminary 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>
Vogt, 113 mmBTU/hr, spreader stoker coal fired boiler for steam generation with multiclone and sidestream baghouse	OAC 3745-18-56 (E)	Sulfur dioxide emissions shall not exceed 4.70 lbs/mmBtu actual heat input.

2. **Additional Terms and Conditions**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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II. **Operational Restrictions**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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IV. **Reporting Requirements**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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V. **Testing Requirements**

1. Emission Limitation:
  - 4.70 pounds of sulfur dioxide emissions per million Btu input
  - Applicable Compliance Method:
    - OAC 3745-18-04(D)(3)(b), OAC 3745-18-04(F)(1) and the Recordkeeping Requirements from section A.III 1. and 2.
  - Also, records shall be maintained of the total quantities of coal received and the results of the sulfur content analyses.

2. The continuous opacity monitoring data shall be used to demonstrate compliance with the requirements of OAC rule 3745-17-07(A)(1). The permittee shall be deemed in compliance with OAC rule 3745-17-07(A)(1) if less than 1.5 percent of the nonexempt\* 6-minute average opacity values during a calendar quarter exceed 20 percent opacity. (Historical continuous opacity monitoring data for coal-fired boilers equipped with electrostatic precipitators or baghouses indicate that an excess emissions level of 1.5 percent (nonexempt emissions) is representative of good operation and maintenance of the emissions unit and the associated control equipment.) Compliance with the visible emission limitations in OAC rule 3745-17-07(A)(1) may also be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures in OAC rule 3745-17-03(B)(1). In the event of a discrepancy between the continuous opacity monitoring data and observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 during the same time period, the Method 9 data will take precedence for that time period.

\* exempt emissions are defined in OAC rule 3745-17-07

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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VI. **Miscellaneous Requirements**

1. A logbook documenting activities relating to the continuous opacity monitoring system must be kept on site and available for inspection during regular office hours.

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Facility ID: 0250110024 Issuance type: Title V Preliminary Proposed Permit

**Part III - Terms and Conditions for Emissions Units**

[Go to the top of this document](#)

Facility ID: 0250110024 Emissions Unit ID: B004 Issuance type: Title V Preliminary 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>
Vogt, 110 mmBtu/hr, spreader stoker coal fired boiler for steam generation with multicloner and sidestream baghouse	OAC 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity as a 6-minute average, except as provided by the rule.
	OAC 3745-17-10 (C)(1)	Particulate emissions shall not exceed 0.14 lb/mmBtu actual heat input.
	40 CFR Part 52.1881 (b) (40)	Sulfur dioxide emissions shall not exceed 4.75 lbs/mmBtu actual heat input.

2. **Additional Terms and Conditions**

- (a) None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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II. **Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 2.0 - 7.0 inches of water while the emissions unit is in operation.
2. The permittee shall ensure that the boiler gases pass through the multicloner control system. This system, including the sidestream baghouse, shall remain operational at all times and reflect those conditions that existed during the compliance monitoring stack test for this emissions unit.
3. The quality of the coal burned in this emissions unit shall be restricted to a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 4.75 pounds of sulfur dioxide per million Btu heat input.
4. At no time shall the steam flow rate from B004 exceed 40,000 pounds per hour (as an average over any one-hour period). The permittee shall not operate at a higher load (>40,000 lb/hr) without first demonstrating compliance with the PM limit by means of compliance testing.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

1. The permittee shall collect representative grab samples of the coal burned in this emissions unit on a frequency of two days per week. Each sample shall be collected from coal feeder. 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, all of the grab samples which were collected 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) and lb/mmBTU of SO<sub>2</sub>. 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 Isooperbol Calorimeters, respectively. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.
2. The permittee shall maintain monthly records of the total quantity of coal burned, and the results of the analyses for ash content, sulfur content, and heat content.
3. The permittee shall operate and maintain existing equipment to continuously monitor and record the opacity of the 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 emission 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 records of all data obtained by the continuous opacity monitoring system including, but not limited to, percent opacity on a 6-minute block average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.
4. A statement of certification of the existing continuous opacity monitoring system shall be maintained on site and shall consist of a letter from the Ohio EPA detailing the results of an Agency review of the certification tests and a statement by the Agency that the system is considered certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. Proof of certification shall be made available to the Director upon request.
5. Within 180 days of the effective date of this permit, the permittee shall develop 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.
6. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the sidestream baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the sidestream baghouse on a daily basis.
7. The permittee shall continuously monitor and record the steam flow rate from B004. Copies of all steam flow rate charts shall be maintained for a period of 5 years, and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon verbal or written request.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

IV. **Reporting Requirements**

1. Quarterly reports shall be submitted concerning the quality and quantity of the coal burned in this emissions unit. These reports shall include the following information for the emissions unit for each calendar month during the calendar quarter:
  - a. the total quantity of coal burned (tons);
  - b. the average ash content (percent) of the coal burned;
  - c. the average sulfur content (percent) of the coal burned;
  - d. the average heat content (Btu/pound) of the coal burned; and
  - e. the average sulfur dioxide emissions rate (pounds sulfur dioxide/mmBtu actual heat input) from the coal burned.

These quarterly reports shall be submitted by February 15, May 15, August 15, and November 15 of each

year and shall cover the data obtained during the previous calendar quarters.

2. The permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency 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).

The permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency documenting 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.

If there are no excess 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.

3. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the sidestream baghouse did not comply with the allowable range specified above.
4. If for any reason the steam flow rate from B004 exceeds 40,000 pounds per hour, the following information shall be reported to the Ohio EPA, Northeast District Office, within 5 business 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.

This report will not be required if this emissions unit demonstrates compliance with the PM emission limit at a steam flow rate that corresponds to the maximum capacity of the emissions unit.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

**\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\***

#### 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: 20 percent opacity, as a 6-minute average
 

Applicable Compliance Method: Compliance with the visible particulate emission limitation shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1)
  - b. Emission Limitation: 0.14 pound of particulate emissions per million Btu input
 

Applicable Compliance Method:

The permittee shall demonstrate compliance with this limitation in accordance with the method(s) and procedures specified in OAC rule 3745-17-03(B)(9).
  - c. Emission Limitation: 4.75 pounds of sulfur dioxide emissions per million Btu input
 

Applicable Compliance Method:

OAC 3745-18-04(D)(3)(b), OAC 3745-18-04(F)(1) and the Recordkeeping Requirements from section A.III 1. and 2.

Also, records shall be maintained of the total quantities of coal received and the results of the sulfur content analyses.
2. The permittee shall conduct, or have conducted, particulate emission testing for this emissions unit to demonstrate compliance with the allowable mass emission rate of 0.14 lb/mmBtu actual heat input in accordance with the following requirements:
 

The particulate emission testing shall be conducted twice during the term of this permit. Once between years 2 and 3, and once during the last year of the permit.

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

The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions 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 Northeast District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA 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.

3. If required, the permittee shall conduct, or have conducted, SO2 emission testing for this emissions unit to demonstrate compliance with the allowable mass emission rate of 4.75 lb/mmBtu actual heat input in accordance with the following requirements:

Compliance with the allowable mass emission rate for SO2 shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 6 and 6E and the procedures in OAC rule 3745-18-04.

The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions 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 Northeast District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA 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.

4. 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 Northeast 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 appropriate Ohio EPA Northeast District Office.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0250110024 Issuance type: Title V Preliminary Proposed Permit

[Go to the top of this document](#)

Facility ID: 0250110024 Emissions Unit ID: B004 Issuance type: Title V Preliminary 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>
Vogt, 110 mmBtu/hr, spreader stoker coal fired boiler for steam generation with multiclone and sidestream baghouse	OAC 3745-18-56 (E)	Sulfur dioxide emissions shall not exceed 4.70 lbs/mmBtu actual heat input.

2. **Additional Terms and Conditions**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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II. **Operational Restrictions**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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IV. **Reporting Requirements**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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V. **Testing Requirements**

1. Emission Limitation:  
  
4.70 pounds of sulfur dioxide emissions per million Btu input  
  
Applicable Compliance Method:  
  
OAC 3745-18-04(D)(3)(b), OAC 3745-18-04(F)(1) and the Recordkeeping Requirements from section A.III 1. and 2.  
  
Also, records shall be maintained of the total quantities of coal received and the results of the sulfur content analyses.
2. The continuous opacity monitoring data shall be used to demonstrate compliance with the requirements of OAC rule 3745-17-07(A)(1). The permittee shall be deemed in compliance with OAC rule 3745-17-07(A)(1) if less than 1.5 percent of the nonexempt\* 6-minute average opacity values during a calendar quarter exceed 20 percent opacity. (Historical continuous opacity monitoring data for coal-fired boilers equipped with electrostatic precipitators or baghouses indicate that an excess emissions level of 1.5 percent (nonexempt emissions) is representative of good operation and maintenance of the emissions unit and the associated control equipment.) Compliance with the visible emission limitations in OAC rule 3745-17-07(A)(1) may also be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures in OAC rule 3745-17-03(B)(1). In the event of a discrepancy between the continuous opacity monitoring data and observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 during the same time period, the Method 9 data will take precedence for that time period.

\* exempt emissions are defined in OAC rule 3745-17-07

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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VI. **Miscellaneous Requirements**

1. A logbook documenting activities relating to the continuous opacity monitoring system must be kept on site and available for inspection during regular office hours.