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

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

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

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Part II - Specific Facility Terms and Conditions

a **State and Federally Enforceable Section**

1. None

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b **State Only Enforceable Section**

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

Z001 - D0399 Diesel Generator
Z002 - 32 Bed Diesel Generator
Z003 - RC Diesel Generator
Z004 - 16 Bed Diesel Generator
Z005 - 507 Diesel Generator
Z006 - 515 Diesel Generator
Z007 - 301 Diesel Generator

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.

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0630010108 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Babcock and Wilcox spreader stoker coal-fired boiler having a nominal firing rate of 52.3 million Btu per hour, with ESP	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-17-10(C)(2)	Particulate emissions shall not exceed 0.24 lb per million Btu of actual heat input.
	OAC rule 3745-18-36(B)	Sulfur dioxide emissions shall not exceed 5.50 lbs per million Btu of actual heat input.

2. **Additional Terms and Conditions**

(a) None

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II. **Operational Restrictions**

1. None

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

1. 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.

2. The permittee, in cooperation with State Purchasing in the Department of Administrative Services, shall collect monthly composite samples of the coal received for burning in this emissions unit. A minimum of 4 composite samples shall be collected each month. Each composite sample shall represent no more than 250 tons of coal. Individual samples must be collected from every truck/railroad car load. When more than 1,000 tons of coal are delivered in any month, each composite sample shall not represent more than 250 tons of coal delivered. The weight of the individual samples, collected from each truck/railroad car load to form a composite sample, shall be in proportion to the quantity of coal received in each shipment during the

calendar month.

When the amount of coal delivered is less than 1,000 tons per month, the composite tonnage of 250 can be reduced to any amount, but individual samples must be taken from every truck/railroad car load. The frequency of a minimum of 4 composite samples per month must consistently be maintained. The coal sampling shall be performed in accordance with ASTM Method D2234, Collection of a Gross Sample of Coal.

3. Each 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 the most recent version of: 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 from the Ohio EPA Southeast District Office. The State may utilize the services of any private laboratory to conduct the testing in accordance with ASTM standards.

4. Recordkeeping Requirements for Coal Usage and Quality

The permittee shall maintain monthly records of the total quantity of coal received, and the results of the analyses for ash content, sulfur content, and heat content.

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IV. **Reporting Requirements**

1. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Ohio EPA Southeast 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 action(s) taken (if any) of each 6-minute block average above the applicable opacity limitation(s).

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.

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.

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.

2. Reporting Requirements for Coal Usage and Quality Data

Quarterly reports shall be submitted concerning the quality of the composite coal samples and the quantity of the coal received at this emissions unit.

The quarterly reports shall consist of a minimum of 12 composite sample analyses (minimum of 4 per month) and shall include the following emissions unit information for each month during the calendar quarter:

a. the total quantity of coal received (tons);

b. the average ash content (percent) of the coal received;

c. the average sulfur content (percent) of the coal received;

d. the average heat content (Btu/pound) of the coal received; and

e. the average sulfur dioxide emission rate (pounds sulfur dioxide/mmBtu actual heat input) from the coal received.

Compliance with the sulfur dioxide emission limitation shall be determined each month by calculating the average monthly sulfur dioxide emission rate using the analyses of each composite sample.

These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year, unless otherwise specified by the Ohio EPA Southeast District Office, and shall cover the data obtained during the previous calendar quarters.

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V. **Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing to demonstrate compliance with the allowable mass emission rate of 0.24 lb particulate matter per million Btu of actual heat input in accordance with the following requirements:

   The particulate emission testing shall be conducted during the final year of the term of this 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 Southeast 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 Southeast 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.

2. Compliance with the visible emission limit shall be determined through visible emission 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). No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).

3. Compliance with the sulfur dioxide emission limitation shall be based on the average monthly sulfur dioxide emission rate (pounds sulfur dioxide/mmBtu actual heat input) from the coal received, calculated using the analyses of the composite samples as specified in Section A.IV.2 of this permit.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0630010108 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Babcock and Wilcox spreader stoker coal-fired boiler having a nominal firing rate of 52.3 million Btu per hour, with ESP		

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. To obtain an exemption pursuant to OAC rule 3745-17-07(A)(3)(a)(i) or (A)(3)(b)(i), the permittee shall operate and maintain a temperature monitor that measures the temperature of the boiler exhaust gases entering the ESP (a) during all periods of start-up until the ESP is operational or until the inlet temperature of the ESP achieves the temperature level specified in OAC rule 3745-17-07(A)(3)(a)(i) and (b) during all periods of shutdown until the inlet temperature of the ESP drops below the temperature level specified in OAC rule 3745-17-07(A)(3)(b)(i). An electronic or hardcopy record of the temperatures during periods of start-up and shutdown shall be maintained.

   The temperature monitor shall be installed, calibrated, operated, and maintained in accordance with manufacturer's recommendations, with any modifications deemed necessary by the permittee, and shall be capable of accurately measuring the temperature of the boiler exhaust gases in units of degrees Fahrenheit.

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

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0630010108 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Babcock and Wilcox spreader stoker coal-fired boiler having a nominal firing rate of 52.3 million Btu per hour, with ESP	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-17-10(C)(2)	Particulate emissions shall not exceed 0.24 lb per million Btu of actual heat input.
	OAC rule 3745-18-36(B)	Sulfur dioxide emissions shall not exceed 5.50 lbs per million Btu of actual heat input.

2. **Additional Terms and Conditions**

   (a) None

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II. **Operational Restrictions**

1. None

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

1. 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.

2. The permittee, in cooperation with State Purchasing in the Department of Administrative Services, shall collect monthly composite samples of the coal received for burning in this emissions unit. A minimum of 4 composite samples shall be collected each month. Each composite sample shall represent no more than 250 tons of coal. Individual samples must be collected from every truck/railroad car load. When more than 1,000 tons of coal are delivered in any month, each composite sample shall not represent more than 250 tons of coal delivered. The weight of the individual samples, collected from each truck/railroad car load to form a composite sample, shall be in proportion to the quantity of coal received in each shipment during the calendar month.

   When the amount of coal delivered is less than 1,000 tons per month, the composite tonnage of 250 can be reduced to any amount, but individual samples must be taken from every truck/railroad car load. The frequency of a minimum of 4 composite samples per month must consistently be maintained. The coal sampling shall be performed in accordance with ASTM Method D2234, Collection of a Gross Sample of Coal.

3. Each 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 the most recent version of: 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 from the Ohio EPA Southeast District Office. The State may utilize the services of any private laboratory to conduct the testing in accordance with ASTM standards.

4. Recordkeeping Requirements for Coal Usage and Quality

   The permittee shall maintain monthly records of the total quantity of coal received, and the results of the analyses for ash content, sulfur content, and heat content.

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IV. **Reporting Requirements**

1. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Ohio EPA Southeast 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 action(s) taken (if any) of each 6-minute block average above the applicable opacity limitation(s).

   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.

   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.

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.

2. Reporting Requirements for Coal Usage and Quality Data

Quarterly reports shall be submitted concerning the quality of the composite coal samples and the quantity of the coal received at this emissions unit.

The quarterly reports shall consist of a minimum of 12 composite sample analyses (minimum of 4 per month) and shall include the following emissions unit information for each month during the calendar quarter:

a. the total quantity of coal received (tons);

b. the average ash content (percent) of the coal received;

c. the average sulfur content (percent) of the coal received;

d. the average heat content (Btu/pound) of the coal received; and

e. the average sulfur dioxide emission rate (pounds sulfur dioxide/mmBtu actual heat input) from the coal received.

Compliance with the sulfur dioxide emission limitation shall be determined each month by calculating the average monthly sulfur dioxide emission rate using the analyses of each composite sample.

These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year, unless otherwise specified by the Ohio EPA Southeast District Office, and shall cover the data obtained during the previous calendar quarters.

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V. **Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing to demonstrate compliance with the allowable mass emission rate of 0.24 lb particulate matter per million Btu of actual heat input in accordance with the following requirements:

The particulate emission testing shall be conducted during the final year of the term of this 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 Southeast 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 Southeast 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.

2. Compliance with the visible emission limit shall be determined through visible emission 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). No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).

3. Compliance with the sulfur dioxide emission limitation shall be based on the average monthly sulfur dioxide emission rate (pounds sulfur dioxide/mmBtu actual heat input) from the coal received, calculated using the analyses of the composite samples as specified in Section A.IV.2 of this permit.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0630010108 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Babcock and Wilcox spreader stoker coal-fired boiler having a nominal firing rate of 52.3 million Btu per hour, with ESP		

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. To obtain an exemption pursuant to OAC rule 3745-17-07(A)(3)(a)(i) or (A)(3)(b)(i), the permittee shall operate and maintain a temperature monitor that measures the temperature of the boiler exhaust gases entering the ESP (a) during all periods of start-up until the ESP is operational or until the inlet temperature of the ESP achieves the temperature level specified in OAC rule 3745-17-07(A)(3)(a)(i) and (b) during all periods of shutdown until the inlet temperature of the ESP drops below the temperature level specified in OAC rule 3745-17-07(A)(3)(b)(i). An electronic or hardcopy record of the temperatures during periods of start-up and shutdown shall be maintained.

   The temperature monitor shall be installed, calibrated, operated, and maintained in accordance with manufacturer's recommendations, with any modifications deemed necessary by the permittee, and shall be capable of accurately measuring the temperature of the boiler exhaust gases in units of degrees Fahrenheit.

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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. A logbook dedicated 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: 0630010108 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Babcock and Wilcox spreader stoker coal-fired boiler having a nominal firing rate of 56.9 million Btu per hour, with ESP	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-17-10(C)(2)	Particulate emissions shall not exceed 0.24 lb per million Btu of actual heat input.
	OAC rule 3745-18-36(B)	Sulfur dioxide emissions shall not exceed 5.50 lbs per million Btu of actual heat input.

2. **Additional Terms and Conditions**

(a) None

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II. **Operational Restrictions**

1. None

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

1. 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.

2. The permittee, in cooperation with State Purchasing in the Department of Administrative Services, shall collect monthly composite samples of the coal received for burning in this emissions unit. A minimum of 4 composite samples shall be collected each month. Each composite sample shall represent no more than 250 tons of coal. Individual samples must be collected from every truck/railroad car load. When more than 1,000 tons of coal are delivered in any month, each composite sample shall not represent more than 250 tons of coal delivered. The weight of the individual samples, collected from each truck/railroad car load to form a composite sample, shall be in proportion to the quantity of coal received in each shipment during the calendar month.

   When the amount of coal delivered is less than 1,000 tons per month, the composite tonnage of 250 can be reduced to any amount, but individual samples must be taken from every truck/railroad car load. The frequency of a minimum of 4 composite samples per month must consistently be maintained. The coal sampling shall be performed in accordance with ASTM Method D2234, Collection of a Gross Sample of Coal.

3. Each 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 the most recent version of: 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 from the Ohio EPA Southeast District Office. The State may utilize the services of any private laboratory to conduct the testing in accordance with ASTM standards.

4. Recordkeeping Requirements for Coal Usage and Quality

The permittee shall maintain monthly records of the total quantity of coal received, and the results of the analyses for ash content, sulfur content, and heat content.

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IV. **Reporting Requirements**

1. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Ohio EPA Southeast 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 action(s) taken (if any) of each 6-minute block average above the applicable opacity limitation(s).

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.

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.

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.

2. Reporting Requirements for Coal Usage and Quality Data

Quarterly reports shall be submitted concerning the quality of the composite coal samples and the quantity of the coal received at this emissions unit.

The quarterly reports shall consist of a minimum of 12 composite sample analyses (minimum of 4 per month) and shall include the following emissions unit information for each month during the calendar quarter:

a. the total quantity of coal received (tons);

b. the average ash content (percent) of the coal received;

c. the average sulfur content (percent) of the coal received;

d. the average heat content (Btu/pound) of the coal received; and

e. the average sulfur dioxide emission rate (pounds sulfur dioxide/mmBtu actual heat input) from the coal received.

Compliance with the sulfur dioxide emission limitation shall be determined each month by calculating the average monthly sulfur dioxide emission rate using the analyses of each composite sample.

These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year, unless otherwise specified by the Ohio EPA Southeast District Office, and shall cover the data obtained during the previous calendar quarters.

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V. **Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing to demonstrate compliance with the allowable mass emission rate of 0.24 lb particulate matter per million Btu of actual heat input in accordance with the following requirements:

The particulate emission testing shall be conducted during the final year of the term of this 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 Southeast 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 Southeast 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.

2. Compliance with the visible emission limit shall be determined through visible emission 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). No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).

3. Compliance with the sulfur dioxide emission limitation shall be based on the average monthly sulfur dioxide emission rate (pounds sulfur dioxide/mmBtu actual heat input) from the coal received, calculated using the analyses of the composite samples as specified in Section A.IV.2 of this permit.

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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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Babcock and Wilcox spreader stoker coal-fired boiler having a nominal firing rate of 56.9 million Btu per hour, with ESP		

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. To obtain an exemption pursuant to OAC rule 3745-17-07(A)(3)(a)(i) or (A)(3)(b)(i), the permittee shall operate and maintain a temperature monitor that measures the temperature of the boiler exhaust gases entering the ESP (a) during all periods of start-up until the ESP is operational or until the inlet temperature of the ESP achieves the temperature level specified in OAC rule 3745-17-07(A)(3)(a)(i) and (b) during all periods of shutdown until the inlet temperature of the ESP drops below the temperature level specified in OAC rule

3745-17-07(A)(3)(b)(i). An electronic or hardcopy record of the temperatures during periods of start-up and shutdown shall be maintained.

The temperature monitor shall be installed, calibrated, operated, and maintained in accordance with manufacturer's recommendations, with any modifications deemed necessary by the permittee, and shall be capable of accurately measuring the temperature of the boiler exhaust gases in units of degrees Fahrenheit.

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