

Facility ID: 1409010043 Issuance type: Title V Final Permit

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

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

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

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## Part II - Specific Facility Terms and Conditions

### a State and Federally Enforceable Section

1. This facility is subject to the applicable requirements specified in OAC Chapter 3745-25. In accordance with Ohio EPA Engineering Guide #64, the emission control action programs, as specified in OAC rule 3745-25-03, shall be developed and submitted within 60 days after receiving notification from the Ohio EPA. This facility is subject to the applicable requirements specified in OAC Chapter 3745-25. In accordance with Ohio EPA Engineering Guide #64, the emission control action programs, as specified in OAC rule 3745-25-03, shall be developed and submitted within 60 days after receiving notification from the Ohio EPA.
2. All asbestos renovation and demolition activities conducted at this facility shall be performed in accordance with the applicable requirements specified in 40 CFR Part 61 and OAC Chapter 3745-20. All asbestos renovation and demolition activities conducted at this facility shall be performed in accordance with the applicable requirements specified in 40 CFR Part 61 and OAC Chapter 3745-20.
3. The permittee shall maintain, service, repair, or dispose of equipment containing any class I or class II substance used as refrigerant in such equipment pursuant to the applicable provisions of 40 CFR Part 82. The permittee shall maintain, service, repair, or dispose of equipment containing any class I or class II substance used as refrigerant in such equipment pursuant to the applicable provisions of 40 CFR Part 82.

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### b State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:  
F004 roadways and parking areas (MHI);  
T035 (2) 16,000-gallon fuel oil tanks (MHI); and  
Z020 20-gallon parts washer (MHI).  
  
Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a permit to install for the emissions unit.  
The following insignificant emissions units are located at this facility:  
  
F004 roadways and parking areas (MHI);  
T035 (2) 16,000-gallon fuel oil tanks (MHI); and  
Z020 20-gallon parts washer (MHI).  
  
Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a permit to install for the emissions unit.

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

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Facility ID: 1409010043 Emissions Unit ID: B001 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
95 MMBtu/hr coal/No. 2 fuel oil-fired boiler with cyclone and scrubber - Boiler 1	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-10(B)	Particulate emissions (PE) shall not exceed .020 pound per MMBtu of actual heat input when firing No. 2 fuel oil.
	OAC rule 3745-17-10(C)	0.13 lb PE/MMBtu of actual heat input (based on a total combined heat input of 459 MMBtu/hr from B001-B004) when firing coal
	40 CFR Part 52.1881(b)(12)(i)	1.40 lbs SO2/MMBtu actual heat input

See Section A.I.2.b below.

**2. Additional Terms and Conditions**

- a. The permittee is required to operate the wet scrubber only when burning coal.
- b. The requirement to comply with this sulfur dioxide emission limitation shall terminate on the date the USEPA approves the 1.4 lbs/mmBtu actual heat input emission limitation specified in OAC rule 3745-18-15(F) as a revision to the Ohio SIP for sulfur dioxide (see B.I.1 below).

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**II. Operational Restrictions**

1. The quality of the coal received for burning in this emissions unit shall have a combination of sulfur content and heat content, on an "as-received", wet basis, which is sufficient to comply with the allowable sulfur dioxide emission limitation.
2. The quality of the oil burned in this emissions unit shall have a combination of heat and sulfur content, on an "as-received" basis, which is sufficient to comply with the allowable sulfur dioxide emission limitation.
3. If the permittee burns fuel oil in this boiler, it shall be No. 2 fuel oil.
4. The pressure drop across the scrubber shall be continuously maintained at a value of not less than 8 inches of water at all times while the emissions unit is in operation, when coal is burned.

The scrubber water flow rate shall be continuously maintained at a value, in gallons per minute, of not less than the minimum value established during the most recent emission test that demonstrated compliance with the PE emission limit\*. The scrubber water flow rate shall be continuously maintained at or above this value at all times while the emissions unit is in operation, when coal is burned.

\* The equipment to continuously monitor and record the scrubber water flow rate while the emissions unit is in operation, when coal is burned, shall be installed prior to the emission testing required within 3 months

after issuance of this permit (see Section A.V.2). The scrubber water flow rate shall be recorded on a daily basis after the installation of this equipment is completed.

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

1. For each day during which the permittee burns a fuel other than coal or No. 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall collect a representative sample of coal received for burning each month. The coal sampling shall be performed as follows:

On each day this emissions unit is in operation, the permittee shall collect a sample (approximately 0.33 cubic foot of coal) from the coal handling system at a point after the coal exits the crusher. The permittee shall pour the daily sample into a sample container and mix the sample with the previous days' sample(s). At the end of each week, the permittee shall again mix the sample container and collect and retain approximately 0.5 cubic foot of coal from the sample container in a sample bag. At the end of each month, the permittee shall pour each weekly sample bag into a sample container and mix the contents, then collect approximately 0.5 cubic foot of the mixed coal for laboratory testing.

Each monthly representative sample of coal shall be analyzed for sulfur content (percent), and heat content (Btu/pound of coal). The analytical methods for ash content, sulfur content and heat content shall be: ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D2015, Gross Calorific Value of Solid Fuel by the Adiabatic Bomb Calorimeter, ASTM method D3286, Gross Calorific Value of Coal and Coke by the Isothermal Bomb Calorimeter, or ASTM method D1989, Standard Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Isothermal Bomb Calorimeters, respectively.

Alternative, equivalent methods may be used upon written approval from the appropriate Ohio EPA District Office or local air agency.

3. The permittee shall maintain monthly records of the total quantity of coal received, the results of the analyses for sulfur content, and heat content, the average SO<sub>2</sub> emission rate for the month, in lbs, and the average SO<sub>2</sub> emission rate for the month, in lbs/MMBtu of actual heat input. The SO<sub>2</sub> emission rate shall be calculated by methods specified in OAC rule 3745-18-04.
4. 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.
5. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, the SO<sub>2</sub> emission rate in lbs, and the SO<sub>2</sub> emission rate in lbs/MMBtu of actual heat input. The SO<sub>2</sub> emission rate shall be calculated by methods specified in OAC rule 3745-18-04.
6. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and shall properly install\*, operate and maintain equipment to continuously monitor the scrubber water flow rate while the emissions unit is in operation, when coal is burned. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- a. The pressure drop across the scrubber, in inches of water, on a once per shift basis.
- b. The scrubber water flow rate\*, in gallons per minute, on a once per shift basis.
- c. The down times for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit is in operation.

\* The equipment to continuously monitor and record the scrubber water flow rate while the emissions unit is in operation, when coal is burned, shall be installed prior to the emission testing required within 3 months after issuance of this permit (see Section A.V.2). The scrubber water flow rate shall be recorded on a daily basis after the installation of this equipment is completed.

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### IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than coal or No. 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. Quarterly reports shall be submitted concerning the quantity and quality of coal received for burning 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 received (tons).

- b. The average sulfur content (percent by weight) of the coal received.
  - c. The average heat content (Btu/pound) of the coal received.
  - d. The average SO<sub>2</sub> emission rate (lbs SO<sub>2</sub>/MMBtu of actual heat input) for the coal received.
3. The permittee shall submit, on a quarterly basis, copies or summaries 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), heat content (Btu/gallon), and SO<sub>2</sub> emission rate (pounds/MMBtu) for each shipment of oil. The total quantity of oil received in each shipment (gallons) shall also be included with the copies or summaries of the permittee's or oil supplier's analyses.
4. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
- a. The static pressure drop across the scrubber.
  - b. The scrubber water flow rate.

The deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

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#### V. Testing Requirements

1. Compliance with the emission limitations in Section A.1.1. of these terms and conditions shall be determined in accordance with the following methods:
- a. Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.  
  
Applicable Compliance Method:  
Compliance 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).
  - b. Emission Limitation:  
PE shall not exceed .020 pound per MMBtu of actual heat input when firing No. 2 fuel oil.  
  
Applicable Compliance Method:  
Compliance may be determined by multiplying an emission factor of 2.0 lbs of particulates/1000 gallons of oil fired by the emissions unit's maximum hourly fuel oil firing capacity (100 gallons/hr) and dividing by the emissions unit's rated heat input capacity (95 MMBtu/hr). This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1 (9/98).  
  
If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).
2. Emission Limitation:  
0.13 lb PE/MMBtu of actual heat input (based on a total combined heat input of 459 MMBtu/hr from B001-B004) when firing coal
- Applicable Compliance Method:  
The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted within 6 months after issuance of this permit and within 6 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate of 0.13 lb PE/MMBtu of actual heat input, when burning coal.
  - c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate:  
  
40 CFR Part 60, Appendix A, Methods 1 through 5.
  - d. The test shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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, and the person(s) who will be conducting the test. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test.

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test, 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.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

- 3. Emission Limitation:  
1.40 lbs SO2/MMBtu of actual heat input

Applicable Compliance Method:  
Except as provided below, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil and the sulfur content of each monthly representative sample of coal meets the limitation.

a. Compliance with the allowable sulfur dioxide emission limitation may be based upon the proportioned\* sulfur dioxide emission rates from the total quantity of oil and coal burned during the calendar month if either:

- i. the calculated sulfur dioxide emission rate for each shipment of oil received during the calendar month does not comply with the allowable emission limitation; or
- ii. the sulfur dioxide emission rate for the monthly representative sample of coal does not comply with the allowable emission limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

\*The proportioned sulfur dioxide emission rate is based on the individual heat inputs from oil and coal relative to the total heat input to the emissions unit and is calculated as follows:  

$$\frac{[(\text{average SO}_2 \text{ emission rate for the month, in lbs, for coal}) + (\text{the sum of the SO}_2 \text{ emission rates, in lbs, for all shipments of oil})]}{[(\text{average heat content, in Btu/pound, of the monthly representative sample of coal}) \times (\text{the total quantity of coal received, in lbs}) + (\text{the sum of (the heat content, in Btu/gallon, for each shipment of oil}) \times (\text{the total quantity of oil received in each shipment, in gallons})]}$$

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1409010043 Emissions Unit ID: B001 Issuance type: Title V Final Permit

**B. State Enforceable Section**

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

- 1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
95 MMBtu/hr coal/No. 2 fuel oil-fired boiler with cyclone and scrubber - Boiler 1	OAC rule 3745-18-15(F)	1.4 lbs SO2/MMBtu actual heat input  See Sections B.I.2.a and B.I.2.c below.

2. **Additional Terms and Conditions**

- a. This emissions unit shall be vented to a stack no lower than two hundred feet above ground level\*.
- 1. \*In accordance with OAC rule 3745-18-03(C)(6)(b)(x), the permittee shall comply with this requirement no later than March 18, 2003.
- b. The permittee shall comply with the compliance time schedules specified in OAC rules 3745-18-03(C)(6)(b)(i), (iii), (iv), (v), (vi), (ix), and (x).

- c. This sulfur dioxide emission limitation shall be effective and federally enforceable on the date the USEPA approves this sulfur dioxide emission limitation as a revision to the Ohio SIP for sulfur dioxide.

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. Emission Limitation:  
1.4 lbs SO<sub>2</sub>/MMBtu actual heat input

Applicable Compliance Method:  
Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated based upon the applicable monitoring and/or record keeping, reporting, and testing requirements specified in Sections A.III, A.IV, and A.V above.

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**VI. Miscellaneous Requirements**

- 1. None

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

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Facility ID: 1409010043 Emissions Unit ID: B002 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

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

- 1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
95 MMBtu/hr coal/No. 2 fuel oil-fired boiler with cyclone and scrubber - Boiler 2	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-10(B)	Particulate emissions (PE) shall not exceed .020 pound per MMBtu of actual heat input when firing No. 2 fuel oil.

OAC rule 3745-17-10(C)	0.13 lb PE/MMBtu of actual heat input (based on a total combined heat input of 459 MMBtu/hr from B001-B004) when firing coal
40 CFR Part 52.1881(b)(12)(i)	1.40 lbs SO <sub>2</sub> /MMBtu actual heat input

2. **Additional Terms and Conditions**

- a. The permittee is required to operate the wet scrubber only when burning coal.

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II. **Operational Restrictions**

1. The quality of the coal received for burning in this emissions unit shall have a combination of sulfur content and heat content, on an "as-received", wet basis, which is sufficient to comply with the allowable sulfur dioxide emission limitation.
2. The quality of the oil burned in this emissions unit shall have a combination of heat and sulfur content, on an "as-received" basis, which is sufficient to comply with the allowable sulfur dioxide emission limitation.
3. If the permittee burns fuel oil in this boiler, it shall be No. 2 fuel oil.
4. The pressure drop across the scrubber shall be continuously maintained at a value of not less than 8 inches of water at all times while the emissions unit is in operation, when coal is burned.

The scrubber water flow rate shall be continuously maintained at a value, in gallons per minute, of not less than the minimum value established during the most recent emission test that demonstrated compliance with the PE emission limit\*. The scrubber water flow rate shall be continuously maintained at or above this value at all times while the emissions unit is in operation, when coal is burned.

\* The equipment to continuously monitor and record the scrubber water flow rate while the emissions unit is in operation, when coal is burned, shall be installed prior to the emission testing required within 3 months after issuance of this permit (see Section A.V.2). The scrubber water flow rate shall be recorded on a daily basis after the installation of this equipment is completed.

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

1. For each day during which the permittee burns a fuel other than coal or No. 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall collect a representative sample of coal received for burning each month. The coal sampling shall be performed as follows:

On each day this emissions unit is in operation, the permittee shall collect a sample (approximately 0.33 cubic foot of coal) from the coal handling system at a point after the coal exits the crusher. The permittee shall pour the daily sample into a sample container and mix the sample with the previous days' sample(s). At the end of each week, the permittee shall again mix the sample container and collect and retain approximately 0.5 cubic foot of coal from the sample container in a sample bag. At the end of each month, the permittee shall pour each weekly sample bag into a sample container and mix the contents, then collect approximately 0.5 cubic foot of the mixed coal for laboratory testing.

Each monthly representative sample of coal shall be analyzed for sulfur content (percent), and heat content (Btu/pound of coal). The analytical methods for ash content, sulfur content and heat content shall be: ASTM method 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 Isooperibol Calorimeters, respectively.

Alternative, equivalent methods may be used upon written approval from the appropriate Ohio EPA District Office or local air agency.

3. The permittee shall maintain monthly records of the total quantity of coal received, the results of the analyses for sulfur content, and heat content, the average SO<sub>2</sub> emission rate for the month, in lbs, and the average SO<sub>2</sub> emission rate for the month, in lbs/MMBtu of actual heat input. The SO<sub>2</sub> emission rate shall be calculated by methods specified in OAC rule 3745-18-04.
4. 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.
5. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, the SO<sub>2</sub> emission rate in lbs, and the SO<sub>2</sub> emission rate in lbs/MMBtu of actual heat input. The SO<sub>2</sub> emission rate shall be calculated by methods specified in OAC rule 3745-18-04.
6. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop

across the scrubber and shall properly install\*, operate and maintain equipment to continuously monitor the scrubber water flow rate while the emissions unit is in operation, when coal is burned. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- a. The pressure drop across the scrubber, in inches of water, on a once per shift basis.
- b. The scrubber water flow rate\*, in gallons per minute, on a once per shift basis.
- c. The down times for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit is in operation.

\* The equipment to continuously monitor and record the scrubber water flow rate while the emissions unit is in operation, when coal is burned, shall be installed prior to the emission testing required within 3 months after issuance of this permit (see Section A.V.2). The scrubber water flow rate shall be recorded on a daily basis after the installation of this equipment is completed.

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#### IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than coal or No. 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. Quarterly reports shall be submitted concerning the quantity and quality of coal received for burning 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 received (tons).
  - b. The average sulfur content (percent by weight) of the coal received.
  - c. The average heat content (Btu/pound) of the coal received.
  - d. The average SO<sub>2</sub> emission rate (lbs SO<sub>2</sub>/MMBtu of actual heat input) for the coal received.
3. The permittee shall submit, on a quarterly basis, copies or summaries 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), heat content (Btu/gallon), and SO<sub>2</sub> emission rate (pounds/MMBtu) for each shipment of oil. The total quantity of oil received in each shipment (gallons) shall also be included with the copies or summaries of the permittee's or oil supplier's analyses.
4. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
  - a. The static pressure drop across the scrubber.
  - b. The scrubber water flow rate.

The deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

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#### V. Testing Requirements

1. Compliance with the emission limitations in Section A.1.1. of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:
 

Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.

Applicable Compliance Method:  
Compliance 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).
  - b. Emission Limitation:
 

PE shall not exceed .020 pound per MMBtu of actual heat input when firing No. 2 fuel oil.

Applicable Compliance Method:  
Compliance may be determined by multiplying an emission factor of 2.0 lbs of particulates/1000 gallons of oil fired by the emissions unit's maximum hourly fuel oil firing capacity (100 gallons/hr) and dividing by the emissions unit's rated heat input capacity (95 MMBtu/hr). This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1 (9/98).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the

procedures specified in OAC rule 3745-17-03(B)(9).

2. Emission Limitation:  
0.13 lb PE/MMBtu of actual heat input (based on a total combined heat input of 459 MMBtu/hr from B001-B004) when firing coal
- Applicable Compliance Method:  
The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- The emission testing shall be conducted within 6 months after issuance of this permit and within 6 months prior to permit expiration.
  - The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate of 0.13 lb PE/MMBtu of actual heat input, when burning coal.
  - The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate:  
  
40 CFR Part 60, Appendix A, Methods 1 through 5.
  - The test shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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, and the person(s) who will be conducting the test. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test.  
  
Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test, 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.  
  
A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA District Office or local air agency within 30 days following completion of the test(s).
3. Emission Limitation:  
1.40 lbs SO<sub>2</sub>/MMBtu of actual heat input
- Applicable Compliance Method:  
Except as provided below, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil and the sulfur content of each monthly representative sample of coal meets the limitation.
- Compliance with the allowable sulfur dioxide emission limitation may be based upon the proportioned\* sulfur dioxide emission rates from the total quantity of oil and coal burned during the calendar month if either:
    - the calculated sulfur dioxide emission rate for each shipment of oil received during the calendar month does not comply with the allowable emission limitation; or
    - the sulfur dioxide emission rate for the monthly representative sample of coal does not comply with the allowable emission limitation.
- If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.  
\*The proportioned sulfur dioxide emission rate is based on the individual heat inputs from oil and coal relative to the total heat input to the emissions unit and is calculated as follows:  
[(average SO<sub>2</sub> emission rate for the month, in lbs, for coal) + (the sum of the SO<sub>2</sub> emission rates, in lbs, for all shipments of oil)] / [(average heat content, in Btu/pound, of the monthly representative sample of coal) X (the total quantity of coal received, in lbs) + the sum of (the heat content, in Btu/gallon, for each shipment of oil) X (the total quantity of oil received in each shipment, in gallons)]

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VI. **Miscellaneous Requirements**

- None

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Facility ID: 1409010043 Emissions Unit ID: B002 Issuance type: Title V Final Permit

**B. State Enforceable Section**

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

- 1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
95 MMBtu/hr coal/No. 2 fuel oil-fired boiler with cyclone and scrubber - Boiler 2	OAC rule 3745-18-15(F)	1.4 lbs SO2/MMBtu actual heat input
		See Section A.I.2.a.

**2. Additional Terms and Conditions**

- a. This emissions unit shall be vented to a stack no lower than two hundred feet above ground level\*.
  - 1. \*In accordance with OAC rule 3745-18-03(C)(6)(b)(x), the permittee shall comply with this requirement no later than March 18, 2003.
- b. The permittee shall comply with the compliance time schedules specified in OAC rules 3745-18-03(C)(6)(b)(i), (iii), (iv), (v), (vi), (ix), and (x).

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. Emission Limitation:
  - 1.4 lbs SO2/MMBtu actual heat input

Applicable Compliance Method:  
 Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated based upon the applicable monitoring and/or record keeping, reporting, and testing requirements specified in Sections A.III, A.IV, and A.V above.

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**VI. Miscellaneous Requirements**

- 1. None

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Facility ID: 1409010043 Emissions Unit ID: B003 Issuance type: Title V Final Permit

#### A. State and Federally Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
95 MMBtu/hr coal/No. 2 fuel oil-fired boiler with cyclone and scrubber - Boiler 3	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-10(B)	Particulate emissions (PE) shall not exceed .020 pound per MMBtu of actual heat input when firing No. 2 fuel oil.
	OAC rule 3745-17-10(C)	0.13 lb PE/MMBtu of actual heat input (based on a total combined heat input of 459 MMBtu/hr from B001-B004) when firing coal
	40 CFR Part 52.1881(b)(12)(i)	1.40 lbs SO <sub>2</sub> /MMBtu actual heat input

#### 2. Additional Terms and Conditions

- a. The permittee is required to operate the wet scrubber only when burning coal.

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#### II. Operational Restrictions

1. The quality of the coal received for burning in this emissions unit shall have a combination of sulfur content and heat content, on an "as-received", wet basis, which is sufficient to comply with the allowable sulfur dioxide emission limitation.
2. The quality of the oil burned in this emissions unit shall have a combination of heat and sulfur content, on an "as-received" basis, which is sufficient to comply with the allowable sulfur dioxide emission limitation.
3. If the permittee burns fuel oil in this boiler, it shall be No. 2 fuel oil.
4. The pressure drop across the scrubber shall be continuously maintained at a value of not less than 8 inches of water at all times while the emissions unit is in operation, when coal is burned.

The scrubber water flow rate shall be continuously maintained at a value, in gallons per minute, of not less than the minimum value established during the most recent emission test that demonstrated compliance with the PE emission limit\*. The scrubber water flow rate shall be continuously maintained at or above this value at all times while the emissions unit is in operation, when coal is burned.

\* The equipment to continuously monitor and record the scrubber water flow rate while the emissions unit is in operation, when coal is burned, shall be installed prior to the emission testing required within 3 months after issuance of this permit (see Section A.V.2). The scrubber water flow rate shall be recorded on a daily basis after the installation of this equipment is completed.

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

1. For each day during which the permittee burns a fuel other than coal or No. 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall collect a representative sample of coal received for burning each month. The coal sampling shall be performed as follows:

On each day this emissions unit is in operation, the permittee shall collect a sample (approximately 0.33 cubic foot of coal) from the coal handling system at a point after the coal exits the crusher. The permittee shall pour the daily sample into a sample container and mix the sample with the previous days' sample(s). At the end of each week, the permittee shall again mix the sample container and collect and retain approximately 0.5 cubic foot of coal from the sample container in a sample bag. At the end of each month, the permittee shall pour each weekly sample bag into a sample container and mix the contents, then collect approximately 0.5 cubic foot of the mixed coal for laboratory testing.

Each monthly representative sample of coal shall be analyzed for sulfur content (percent), and heat content

(Btu/pound of coal). The analytical methods for ash content, sulfur content and heat content shall be: ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D2015, Gross Calorific Value of Solid Fuel by the Adiabatic Bomb Calorimeter, ASTM method D3286, Gross Calorific Value of Coal and Coke by the Isothermal Bomb Calorimeter, or ASTM method D1989, Standard Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Isothermal Calorimeters, respectively.

Alternative, equivalent methods may be used upon written approval from the appropriate Ohio EPA District Office or local air agency.

3. The permittee shall maintain monthly records of the total quantity of coal received, the results of the analyses for sulfur content, and heat content, the average SO<sub>2</sub> emission rate for the month, in lbs, and the average SO<sub>2</sub> emission rate for the month, in lbs/MMBtu of actual heat input. The SO<sub>2</sub> emission rate shall be calculated by methods specified in OAC rule 3745-18-04.
4. 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.
5. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, the SO<sub>2</sub> emission rate in lbs, and the SO<sub>2</sub> emission rate in lbs/MMBtu of actual heat input. The SO<sub>2</sub> emission rate shall be calculated by methods specified in OAC rule 3745-18-04.
6. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and shall properly install\*, operate and maintain equipment to continuously monitor the scrubber water flow rate while the emissions unit is in operation, when coal is burned. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- a. The pressure drop across the scrubber, in inches of water, on a once per shift basis.
- b. The scrubber water flow rate\*, in gallons per minute, on a once per shift basis.
- c. The down times for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit is in operation.

\* The equipment to continuously monitor and record the scrubber water flow rate while the emissions unit is in operation, when coal is burned, shall be installed prior to the emission testing required within 3 months after issuance of this permit (see Section A.V.2). The scrubber water flow rate shall be recorded on a daily basis after the installation of this equipment is completed.

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#### IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than coal or No. 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. Quarterly reports shall be submitted concerning the quantity and quality of coal received for burning 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 received (tons).
  - b. The average sulfur content (percent by weight) of the coal received.
  - c. The average heat content (Btu/pound) of the coal received.
  - d. The average SO<sub>2</sub> emission rate (lbs SO<sub>2</sub>/MMBtu of actual heat input) for the coal received.
3. The permittee shall submit, on a quarterly basis, copies or summaries 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), heat content (Btu/gallon), and SO<sub>2</sub> emission rate (pounds/MMBtu) for each shipment of oil. The total quantity of oil received in each shipment (gallons) shall also be included with the copies or summaries of the permittee's or oil supplier's analyses.
4. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
  - a. The static pressure drop across the scrubber.
  - b. The scrubber water flow rate.

The deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

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**V. Testing Requirements**

1. Compliance with the emission limitations in Section A.1.1. of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.  
  
Applicable Compliance Method:  
Compliance 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).
  - b. Emission Limitation:  
PE shall not exceed .020 pound per MMBtu of actual heat input when firing No. 2 fuel oil.  
  
Applicable Compliance Method:  
Compliance may be determined by multiplying an emission factor of 2.0 lbs of particulates/1000 gallons of oil fired by the emissions unit's maximum hourly fuel oil firing capacity (100 gallons/hr) and dividing by the emissions unit's rated heat input capacity (95 MMBtu/hr). This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1 (9/98).  
  
If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).
2. Emission Limitation:  
0.13 lb PE/MMBtu of actual heat input (based on a total combined heat input of 459 MMBtu/hr from B001-B004) when firing coal  
  
Applicable Compliance Method:  
The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 6 months after issuance of this permit and within 6 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate of 0.13 lb PE/MMBtu of actual heat input, when burning coal.
  - c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate:  
  
40 CFR Part 60, Appendix A, Methods 1 through 5.
  - d. The test shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.  
Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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, and the person(s) who will be conducting the test. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test.  
  
Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test, 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.  
  
A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA District Office or local air agency within 30 days following completion of the test(s).
3. Emission Limitation:  
1.40 lbs SO<sub>2</sub>/MMBtu of actual heat input  
  
Applicable Compliance Method:  
Except as provided below, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil and the sulfur content of each monthly representative sample of coal meets the limitation.
  - a. Compliance with the allowable sulfur dioxide emission limitation may be based upon the proportioned\* sulfur dioxide emission rates from the total quantity of oil and coal burned during the calendar month if either:
    - i. the calculated sulfur dioxide emission rate for each shipment of oil received during the calendar month does not comply with the allowable emission limitation; or
    - ii. the sulfur dioxide emission rate for the monthly representative sample of coal does not comply with the allowable emission limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

\*The proportioned sulfur dioxide emission rate is based on the individual heat inputs from oil and coal relative to the total heat input to the emissions unit and is calculated as follows:

[(average SO2 emission rate for the month, in lbs, for coal) + (the sum of the SO2 emission rates, in lbs, for all shipments of oil)] / [(average heat content, in Btu/pound, of the monthly representative sample of coal) X (the total quantity of coal received, in lbs) + the sum of (the heat content, in Btu/gallon, for each shipment of oil) X (the total quantity of oil received in each shipment, in gallons)]

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1409010043 Emissions Unit ID: B003 Issuance type: Title V Final Permit

**B. State Enforceable Section**

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

- 1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
95 MMBtu/hr coal/No. 2 fuel oil-fired boiler with cyclone and scrubber - Boiler 3	OAC rule 3745-18-15(F)	1.4 lbs SO2/MMBtu actual heat input See Section A.1.2.a.

2. **Additional Terms and Conditions**

- a. This emissions unit shall be vented to a stack no lower than two hundred feet above ground level\*.
- 1. \*In accordance with OAC rule 3745-18-03(C)(6)(b)(x), the permittee shall comply with this requirement no later than March 18, 2003.
- b. The permittee shall comply with the compliance time schedules specified in OAC rules 3745-18-03(C)(6)(b) (i), (iii), (iv), (v), (vi), (ix), and (x).

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

1. Emission Limitation:  
1.4 lbs SO2/MMBtu actual heat input

Applicable Compliance Method:  
Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated based upon the applicable monitoring and/or record keeping, reporting, and testing requirements specified in Sections A.III, A.IV, and A.V above.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1409010043 Emissions Unit ID: B004 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
174 MMBtu/hr coal/No. 2 fuel oil-fired boiler with cyclone and scrubber - Boiler 4	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-10(B)	Particulate emissions (PE) shall not exceed .020 pound per MMBtu of actual heat input when firing No. 2 fuel oil.
	OAC rule 3745-17-10(C)	0.13 lb PE/MMBtu of actual heat input (based on a total combined heat input of 459 MMBtu/hr from B001-B004) when firing coal
	40 CFR Part 52.1881(b)(12)(i)	1.40 lbs SO2/MMBtu actual heat input

2. **Additional Terms and Conditions**

- a. The permittee is required to operate the wet scrubber only when burning coal.

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II. **Operational Restrictions**

1. The quality of the coal received for burning in this emissions unit shall have a combination of sulfur content and heat content, on an "as-received", wet basis, which is sufficient to comply with the allowable sulfur dioxide emission limitation.
2. The quality of the oil burned in this emissions unit shall have a combination of heat and sulfur content, on an "as-received" basis, which is sufficient to comply with the allowable sulfur dioxide emission limitation.
3. If the permittee burns fuel oil in this boiler, it shall be No. 2 fuel oil.
4. The pressure drop across the scrubber shall be continuously maintained at a value of not less than 8 inches of water at all times while the emissions unit is in operation, when coal is burned.

The scrubber water flow rate shall be continuously maintained at a value, in gallons per minute, of not less

than the minimum value established during the most recent emission test that demonstrated compliance with the PE emission limit\*. The scrubber water flow rate shall be continuously maintained at or above this value at all times while the emissions unit is in operation, when coal is burned.

\* The equipment to continuously monitor and record the scrubber water flow rate while the emissions unit is in operation, when coal is burned, shall be installed prior to the emission testing required within 3 months after issuance of this permit (see Section A.V.2). The scrubber water flow rate shall be recorded on a daily basis after the installation of this equipment is completed.

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

1. For each day during which the permittee burns a fuel other than coal or No. 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall collect a representative sample of coal received for burning each month. The coal sampling shall be performed as follows:

On each day this emissions unit is in operation, the permittee shall collect a sample (approximately 0.33 cubic foot of coal) from the coal handling system at a point after the coal exits the crusher. The permittee shall pour the daily sample into a sample container and mix the sample with the previous days' sample(s). At the end of each week, the permittee shall again mix the sample container and collect and retain approximately 0.5 cubic foot of coal from the sample container in a sample bag. At the end of each month, the permittee shall pour each weekly sample bag into a sample container and mix the contents, then collect approximately 0.5 cubic foot of the mixed coal for laboratory testing.

Each monthly representative sample of coal shall be analyzed for sulfur content (percent), and heat content (Btu/pound of coal). The analytical methods for ash content, sulfur content and heat content shall be: ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D2015, Gross Calorific Value of Solid Fuel by the Adiabatic Bomb Calorimeter, ASTM method D3286, Gross Calorific Value of Coal and Coke by the Isothermal Bomb Calorimeter, or ASTM method D1989, Standard Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Isothermal Calorimeters, respectively.

Alternative, equivalent methods may be used upon written approval from the appropriate Ohio EPA District Office or local air agency.

3. The permittee shall maintain monthly records of the total quantity of coal received, the results of the analyses for sulfur content, and heat content, the average SO<sub>2</sub> emission rate for the month, in lbs, and the average SO<sub>2</sub> emission rate for the month, in lbs/MMBtu of actual heat input. The SO<sub>2</sub> emission rate shall be calculated by methods specified in OAC rule 3745-18-04.
4. 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.
5. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, the SO<sub>2</sub> emission rate in lbs, and the SO<sub>2</sub> emission rate in lbs/MMBtu of actual heat input. The SO<sub>2</sub> emission rate shall be calculated by methods specified in OAC rule 3745-18-04.
6. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and shall properly install\*, operate and maintain equipment to continuously monitor the scrubber water flow rate while the emissions unit is in operation, when coal is burned. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- a. The pressure drop across the scrubber, in inches of water, on a once per shift basis.
- b. The scrubber water flow rate\*, in gallons per minute, on a once per shift basis.
- c. The down times for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit is in operation.

\* The equipment to continuously monitor and record the scrubber water flow rate while the emissions unit is in operation, when coal is burned, shall be installed prior to the emission testing required within 3 months after issuance of this permit (see Section A.V.2). The scrubber water flow rate shall be recorded on a daily basis after the installation of this equipment is completed.

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### IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than coal or No. 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

2. Quarterly reports shall be submitted concerning the quantity and quality of coal received for burning 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 received (tons).
  - b. The average sulfur content (percent by weight) of the coal received.
  - c. The average heat content (Btu/pound) of the coal received.
  - d. The average SO<sub>2</sub> emission rate (lbs SO<sub>2</sub>/MMBtu of actual heat input) for the coal received.
3. The permittee shall submit, on a quarterly basis, copies or summaries 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), heat content (Btu/gallon), and SO<sub>2</sub> emission rate (pounds/MMBtu) for each shipment of oil. The total quantity of oil received in each shipment (gallons) shall also be included with the copies or summaries of the permittee's or oil supplier's analyses.
4. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
  - a. The static pressure drop across the scrubber.
  - b. The scrubber water flow rate.

The deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

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#### V. Testing Requirements

1. Compliance with the emission limitations in Section A.1.1. of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.  
  
Applicable Compliance Method:  
Compliance 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).
  - b. Emission Limitation:  
PE shall not exceed .020 pound per MMBtu of actual heat input when firing No. 2 fuel oil.  
  
Applicable Compliance Method:  
Compliance may be determined by multiplying an emission factor of 2.0 lbs of particulates/1000 gallons of oil fired by the emissions unit's maximum hourly fuel oil firing capacity (100 gallons/hr) and dividing by the emissions unit's rated heat input capacity (174 MMBtu/hr). This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1 (9/98).  
  
If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).
2. Emission Limitation:  
0.13 lb PE/MMBtu of actual heat input (based on a total combined heat input of 459 MMBtu/hr from B001-B004) when firing coal  
  
Applicable Compliance Method:  
The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 6 months after issuance of this permit and within 6 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate of 0.13 lb PE/MMBtu of actual heat input, when burning coal.
  - c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate:  
  
40 CFR Part 60, Appendix A, Methods 1 through 5.
  - d. The test shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.  
Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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, and the person(s) who will be conducting the test. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District

Office's or local air agency's refusal to accept the results of the emission test.

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test, 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.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

- 3. Emission Limitation:  
1.40 lbs SO2/MMBtu of actual heat input

Applicable Compliance Method:

Except as provided below, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil and the sulfur content of each monthly representative sample of coal meets the limitation.

a. Compliance with the allowable sulfur dioxide emission limitation may be based upon the proportioned\* sulfur dioxide emission rates from the total quantity of oil and coal burned during the calendar month if either:

- i. the calculated sulfur dioxide emission rate for each shipment of oil received during the calendar month does not comply with the allowable emission limitation; or
- ii. the sulfur dioxide emission rate for the monthly representative sample of coal does not comply with the allowable emission limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

\*The proportioned sulfur dioxide emission rate is based on the individual heat inputs from oil and coal relative to the total heat input to the emissions unit and is calculated as follows:

$$\frac{[(\text{average SO}_2 \text{ emission rate for the month, in lbs, for coal}) + (\text{the sum of the SO}_2 \text{ emission rates, in lbs, for all shipments of oil})] / [(\text{average heat content, in Btu/pound, of the monthly representative sample of coal}) \times (\text{the total quantity of coal received, in lbs}) + (\text{the heat content, in Btu/gallon, for each shipment of oil}) \times (\text{the total quantity of oil received in each shipment, in gallons})]}{1.40}$$

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1409010043 Emissions Unit ID: B004 Issuance type: Title V Final Permit

**B. State Enforceable Section**

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

- 1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
95 MMBtu/hr coal/No. 2 fuel oil-fired boiler with cyclone and scrubber - Boiler 4	OAC rule 3745-18-15(F)	1.4 lbs SO2/MMBtu actual heat input
		See Section A.I.2.a.

2. **Additional Terms and Conditions**

- a. This emissions unit shall be vented to a stack no lower than two hundred feet above ground level\*.

- 1. \*In accordance with OAC rule 3745-18-03(C)(6)(b)(x), the permittee shall comply with this requirement no

later than March 18, 2003.

- b. The permittee shall comply with the compliance time schedules specified in OAC rules 3745-18-03(C)(6)(b) (i), (iii), (iv), (v), (vi), (ix), and (x).

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. Emission Limitation:  
1.4 lbs SO2/MMBtu actual heat input  
  
Applicable Compliance Method:  
Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated based upon the applicable monitoring and/or record keeping, reporting, and testing requirements specified in Sections A.III, A.IV, and A.V above.

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**VI. Miscellaneous Requirements**

- 1. None

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

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**Facility ID: 1409010043 Emissions Unit ID: F002 Issuance type: Title V Final Permit**

**A. State and Federally Enforceable Section**

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

- 1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
load-in and load-out of storage piles (see Section A.I.2.a for identification of storage piles)	OAC rule 3745-17-07 (B)(6)  OAC rule 3745-17-08 (B), (B)(6)	There shall be no visible particulate emissions from any storage pile except for a period of time not to exceed 13 minutes in any 60-minute observation period.  reasonably available control measures that are

wind erosion from storage piles (see Section A.1.2.a for identification of storage piles) OAC rule 3745-17-07 (B)(6)

sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.1.2.b, A.1.2.c and A.1.2.f)

There shall be no visible particulate emissions from any storage pile except for a period of time not to exceed 13 minutes in any 60-minute observation period.

OAC rule 3745-17-08 (B), (B)(6)

reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.1.2.d through A.1.2.f)

**2. Additional Terms and Conditions**

- a. The storage piles that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:
  - (a) fly ash storage piles
- b. The permittee shall employ reasonably available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the fly ash with water to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- c. The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
- d. The permittee shall employ reasonably available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat each storage pile with water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- e. The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- f. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08.

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**II. Operational Restrictions**

- 1. None

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

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:
  - storage pile identification minimum load-out inspection frequency
  - fly ash storage piles weekly
- 2. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:
  - storage pile identification minimum wind erosion inspection frequency
  - fly ash storage piles weekly
- 3. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

4. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
5. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
6. The permittee shall maintain records of the following information:
  - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
  - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
  - c. the dates the control measures were implemented; and
  - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).
 

The information required in 6.d. shall be kept separately for (i) the load-out operations, and (ii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation reports that identify any of the following occurrences:
  - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

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#### V. Testing Requirements

1. Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

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#### VI. Miscellaneous Requirements

1. None

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Facility ID: 1409010043 Emissions Unit ID: F002 Issuance type: Title V Final Permit

#### B. State Enforceable Section

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

1. None.

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

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the

applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

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

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**II. Operational Restrictions**

1. None

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

1. None

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**IV. Reporting Requirements**

1. None

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**V. Testing Requirements**

1. None

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**VI. Miscellaneous Requirements**

1. None

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**Facility ID: 1409010043 Emissions Unit ID: F003 Issuance type: Title V Final Permit**

**A. State and Federally Enforceable Section**

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal unloading, coal conveyors, coal handling, coal crusher and coal transfer points	OAC rule 3745-17-07(B)(1)	Visible particulate emissions shall not exceed 20 percent opacity, as a 3-minute average, except as specified by rule. reasonably available control measures that are sufficient to minimize or eliminate visible emissions of
	OAC rule 3745-17-08(B)	

coal storage piles	OAC rule 3745-17-07(B)(6)	fugitive dust (see Sections A.I.2.a through A.I.2.g) There shall be no visible particulate emissions from any storage pile except for a period of time not to exceed 13 minutes in any 60-minute observation period.
	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Section A.I.2.f)

2. **Additional Terms and Conditions**

- a. The permittee shall employ reasonably available control measures on all coal unloading stations, coal conveyors, coal handling operations, and coal transfer points for the purpose of ensuring compliance with the above-mentioned applicable requirements. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- b. For each coal unloading station and coal handling operation that is not adequately enclosed, such unloading station or handling operation shall be treated with water and/or suitable dust suppression chemicals if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during operation of any coal unloading station or coal handling until further observation confirms that use of the control measures is unnecessary.
- c. The permittee shall employ a two-sided enclosure around the coal unloading station in order to minimize or eliminate fugitive dust emissions.
- d. The permittee shall employ and maintain the building enclosure around the coal crusher in order to minimize or eliminate fugitive dust emissions.
- e. The permittee shall employ and maintain total enclosure of all conveyor transfer points in order to minimize or eliminate fugitive dust emissions.
- f. The permittee shall either employ a wind guard enclosure and/or shall continue to employ the embankment to minimize fugitive dust emissions due to wind loss. If the embankment is used to minimize fugitive dust emissions due to wind loss, the height of the coal storage pile shall not exceed the height of the embankment.
- g. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08.

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II. **Operational Restrictions**

1. None

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

1. The permittee shall perform daily inspections of the the coal unloading stations, the coal conveyors, the coal handling operations, the coal transfer points, and the coal storage piles. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit. These inspections shall be performed during representative, normal operating conditions.
2. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements. Such modified inspection frequencies would not be considered a minor or significant modification that would be subject to the Title V permit modification requirements in paragraphs (C)(1) and (C)(3) of OAC rule 3745-77-08.
4. The permittee shall maintain records of the following information:
  - a. the date and reason any required inspection was not performed;
  - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
  - c. the dates the control measures were implemented; and

d. on a calendar quarter basis, the total number of days the control measures were implemented.

The information in 4.d shall be kept separately for (i) the coal unloading stations, (ii) the coal conveyors, (iii) the coal handling operations, (iv) the coal transfer points, and (v) the coal storage piles, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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**IV. Reporting Requirements**

1. The permittee shall submit quarterly deviation reports that identify any of the following occurrences:
  - a. each day during which an inspection was not performed by the required frequency; and
  - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

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**V. Testing Requirements**

1. Compliance with the visible emission limitation for the material handling operation(s) identified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.
2. Compliance with the visible emission limitations for the coal storage piles shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

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**VI. Miscellaneous Requirements**

1. None

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**B. State Enforceable Section**

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

1. None.

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

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

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

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**II. Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None