December 22, 2017

Mr. William F. Durham
Director
WV Department of Environmental Protection
Division of Air Quality
601 - 57th Street
Charleston, WV 25304

RE: ***The Monongalia County Coal Company – Monongalia County, West Virginia,***
The Monongalia County Preparation Plant – Title V Renewal Application

Dear Mr. Durham:

The Monongalia County Coal Company (MCCC) operates the Monongalia County Preparation Plant located in Monongalia County, West Virginia. Operations at the Monongalia County Preparation Plant are permitted under R30-04900019-2014 [MM02] which expires on July 9, 2018. In accordance with 45CSR30-4.1.a.3, a timely renewal application for the facility is due six (6) months prior to expiration, or by January 9, 2018. Please find the required components of the R30 renewal application enclosed.

In addition to the required application components, MCCC has also enclosed a redline-strikeout version of the current R30 permit detailing numerous corrections and requested revisions. A summary of the substantive changes presented in the redline strikeout version of the permit is as follows:

- ***4.1.5*** – Condition 4.1.5 contains hourly and annual throughput limitations for Conveyors CB3 and CB16. The hourly throughput limit requested by the previous owner of the facility does not reflect the true operating capacity of the conveyors. Accordingly, the hourly capacity for CB3 and CB16 in Table 1 and Condition 4.1.5 has been changed from 1,500 to 1,800 tons per hour (tph).

- ***4.1.8 –*** Condition 4.1.8 contains a 20% opacity requirement for units subject to NSPS Y that were constructed on or before April 28, 2008. Units 056 (Conveyor belt 17) and 058 (Refuse Loadout Bin) handle/store coal refuse and were installed in 2004. 40 CFR 60.251(d)(1) specifies that for units constructed, reconstructed, or modified on or before May 27, 2009, the definition of coal *does not* include coal refuse. Accordingly, refuse processing and conveying equipment and refuse storage systems installed prior to May 27, 2009 are not subject to the rule. Therefore, units 056 and 058 have been removed from the applicability section of this condition.

- ***4.1.11*** – Condition 4.1.11 contains a 20% opacity requirement under 45CSR5-3.4. Emission units 046 (Conveyor Belt 9) and 058 (Refuse Loadout Bin 2) are subject to this requirement but were missing from the list of subject units; they have been added in the redline version.

- ***4.1.15 –*** Condition 4.1.15 requires MCCC to maintain and operate equipment in accordance with good air pollution control practices for minimizing emissions. This is a requirement from the general provisions of 40 CFR Part 60. The existing permit includes 45CSR13 in the regulatory basis for this requirement. However, the requirement does not appear anywhere in Rule 13. Accordingly, this reference has been removed in the redline version. The existing permit also contains an apparent erroneous reference to condition 4.1.14 of R13-0718F which has been deleted in the redline version. Finally, as noted previously, emission units 056 and 058 are not subject to NSPS Y and have therefore been removed from the applicability section of the condition.

- ***4.1.18*** – Condition 4.1.18 specifies that compliance with all annual throughput limitations shall be determined using a 12 month rolling total. MCCC proposes to update this condition to specify that compliance with all hourly throughput limitations also be determined using a 12 month rolling total. Specifically, compliance will be demonstrated by dividing the rolling 12 month throughput by the rolling 12 month hours of operation each month.

- ***4.2.1*** – Condition 4.2.1 of the existing permit requires MCCC to monitor the following:

    - Exit temperature of the thermal dryer
    - Pressure loss through the venturi scrubber
    - Water supply pressure to the control equipment
    - Water supply flow rate to the control equipment

    Additionally, MCCC is required to maintain each of the above parameters within a specified range.

    The regulatory citation for this requirement in the existing permit is 40 CFR Part 60 and 40 CFR Part 64. The redline version of the permit provided with this renewal application seeks to clarify the regulatory justification for this condition. Specifically, NSPS Y requires thermal dryers constructed on or before April 28, 2008 to monitor exit temperature, pressure loss, and water supply pressure. However, the rules *does not* require operators of such thermal dryers to monitor water supply flow rate and *does not* require operators to establish and operate the thermal dryer within any specified range for any of the parameters. Accordingly, the redline version of the permit seeks to clarify that 40 CFR Part 64 is the basis for the requirement to monitor water supply flow rate and the requirement to establish and operate within specified ranges for each parameter.

    Additionally, MCCC has provided updated proposed operating ranges for each parameter to reflect normal operating conditions for the scrubber. These revised operating ranges are reflected in the CAM plan included with this application.

Finally, MCCC has proposed language to specify that the monitoring shall be performed in accordance with 40 CFR 60, Subpart A. Specifically, 40 CFR 60.13(e)(2) provides the following:

> *"All continuous monitoring systems referenced by paragraph (c) of this section for measuring emissions, except opacity, shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period."*

Further, 40 CFR 60.13(h) specifies:

> *"Owners or operators of all continuous monitoring systems for measurement of opacity shall reduce all data to 6-minute averages and for continuous monitoring systems other than opacity to 1-hour averages for time periods as defined in §60.2…"*

Finally, 40 CFR 60.13(h)(2)(i) states:

> *"Except as provided under paragraph (h)(2)(iii) of this section, for a full operating hour (any clock hour with 60 minutes of unit operation), at least four valid data points are required to calculate the hourly average, i.e., one data point in each of the 15-minute quadrants of the hour."*

Therefore, for each parameter, MCCC will obtain at least one (1) data point every 15 minutes. The data will be reduced to hourly averages in accordance with 40 CFR 60.13(h). Finally, MCCC will calculate three-hour average parameters to compare to the required operating range and to ultimately define an excursion.

- ***4.2.2.*** – Condition 4.2.2 of the existing permit requires MCCC to perform prescribed visible emissions checks/evaluations to confirm compliance with the various opacity requirements in the permit.

  The condition is ambiguous as currently written. For example, 4.2.2.b requires that MCCC perform a Method 9 evaluation within 72 hours for any emission unit where the required weekly visible emissions checks indicate opacity in exceedance of 50% of the allowable limit. However, no Method 9 is required if the issue is corrected as expeditiously as possible, but no later than 24 hours from required the weekly observation where the potential exceedance was observed. However, Condition 4.2.2.c specifies that if any visible emissions evaluation indicates visible emissions in excess of 50 percent of the allowable limit, a Method 9 shall be performed at least once every two (2) weeks until three (3) consecutive evaluations indicate visible emissions less than or equal to 50% of the allowable limit. As currently written, it is unclear whether the trigger for the bi-weekly Method 9 evaluations is the weekly visible emissions checks or the first Method 9 evaluation triggered by a weekly observation indicating visible emissions in excess of 50% of the allowable limit.

Further, 4.2.2.d requires that a visible emissions evaluation be conducted on all 'process and control equipment' at least once per calendar month. Given that MCCC is required to perform weekly checks on every emission unit subject to an opacity requirement, it is unclear what equipment would potentially be subject to this less stringent requirement. Further, this condition seemingly conflicts with Condition 4.2.3 which requires that the permittee inspect all fugitive dust control systems on a weekly basis.

The redline permit provided with this application seeks to provide clarification by streamlining and simplifying the language of this condition.

- **4.2.4 –** Condition 4.2.4 contains testing requirements for PM. It also required that the permittee establish and operate within indicator ranges for exit temperature, water supply pressure, and pressure loss. However, this conflicts with Condition 4.2.1 which requires that MCCC operate within fixed parameter ranges. Accordingly, MCCC proposes to remove the conflicting language from Condition 4.2.4.

- **4.2.5** – Condition 4.2.5 contains visible emission evaluation requirements for the thermal dryer. MCCC is required to operate a PM control device and to continuously monitor multiple parameters to confirm proper operation of the control device. These monitoring and recordkeeping requirements are a far more stringent means of ensuring continuous compliance with the applicable PM and opacity limitations than performing a daily visible emissions evaluation. Requiring daily visible emissions evaluations in addition to continuously monitoring multiple control device operating parameters represents an unnecessary burden for the plant. Accordingly, MCCC proposes to remove the requirement to perform a daily visible emissions evaluation on the thermal dryer.

- **4.2.9** – Condition 4.2.9 contains continuous monitoring requirements that are duplicative of Condition 4.2.1. Accordingly, MCCC proposes to remove condition 4.2.9.

- **4.4.8 – 4.4.11** – Conditions 4.4.8 through 4.4.11 contain requirements to continuously record temperature, pressure loss, water supply pressure, and water flow rate to the venturi scrubber. As noted above, Condition 4.2.1 was updated to specify that all continuous monitoring be performed in accordance with 40 CFR Part 60, Subpart A, which also defines recordkeeping requirements. Accordingly, MCCC proposes to remove Conditions 4.4.8 through 4.4.11.

***

MCCC appreciates your consideration in this matter. Should you have any questions on the specifics of this request, please do not hesitate to contact either Mike Burr of Trinity Consultants at (304) 534-4726 or David Roddy of Murray Energy Corporation at 740-338-3100.

Sincerely,

THE MONONGALIA COUNTY COAL COMPANY

Jason D. Witt

cc: Brian Tephabock (DAQ)
Denton McDerment (DAQ)
Mike Burr (Trinity)

R30 RENEWAL APPLICATION

The Monongalia County Coal Company
The Monongalia County Preparation Plant

Prepared By:

TRINITY CONSULTANTS
110 Polaris Parkway
Suite 200
Westerville, OH 43082
(614) 443-0733

December 2017

Project 173601.0132

Trinity Consultants

Environmental solutions delivered uncommonly well

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ADMINISTRATIVE COMPLETENESS CHECKLIST

TITLE V PERMIT APPLICATION CHECKLIST
FOR ADMINISTRATIVE COMPLETENESS

A complete application is demonstrated when all of the information required below is properly prepared, completed and attached. The items listed below are required information which must be submitted with a Title V permit application. Any submittal will be considered incomplete if the required information is not included.*

✓	Two signed copies of the application (at least one must contain the original "*Certification*" page signed and dated in blue ink) 1 hard copy and 2 electronic included per current instructions
✓	Correct number of copies of the application on separate CDs or diskettes, (i.e. at least one disc per copy) 1 hard copy and 2 electronic included per current instructions
✓	*Table of Contents (needs to be included but not for administrative completeness) TOC included
✓	Facility information Included on pages 1-3 of general application form
✓	Description of process and products, including NAICS and SIC codes, and including alternative operating scenarios Included on page 4 of general application form
✓	Area map showing plant location Included as Attachment A
✓	Plot plan showing buildings and process areas Included as Attachment B
✓	Process flow diagram(s), showing all emission units, control equipment, emission points, and their relationships Included as Attachment C
✓	Identification of all applicable requirements with a description of the compliance status, the methods used for demonstrating compliance, and a Schedule of Compliance Form (ATTACHMENT F) for all requirements for which the source is not in compliance Applicable requirements and compliance demonstration methods included with Attachment I.
✓	Listing of all active permits and consent orders (if applicable) Included on page 7 of general application form
✓	Facility-wide emissions summary Included on page 8 of general application form
✓	Identification of Insignificant Activities Included on pages 9-12 of general application form
✓	ATTACHMENT D - Title V Equipment Table completed for all emission units at the facility except those designated as insignificant activities Attachment D included
✓	ATTACHMENT E - Emission Unit Form completed for each emission unit listed in the Title V Equipment Table (ATTACHMENT D) and a Schedule of Compliance Form (ATTACHMENT F) for all requirements for which the emission unit is not in compliance Attachment E included. Attachment F N/A
✓	ATTACHMENT G - Air Pollution Control Device Form completed for each control device listed in the Title V Equipment Table (ATTACHMENT D) Attachment G included
✓	ATTACHMENT H – Compliance Assurance Monitoring (CAM) Plan Form completed for each control device for which the "Is the device subject to CAM?" question is answered "Yes" on the Air Pollution Control Device Form (ATTACHMENT G) Attachment A included
✓	General Application Forms signed by a Responsible Official Signed general forms included
✓	Confidential Information submitted in accordance with 45CSR31 N/A - no CBI

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF AIR QUALITY
601 57th Street SE
Charleston, WV 25304
Phone: (304) 926-0475
www.dep.wv.gov/daq

INITIAL/RENEWAL TITLE V PERMIT APPLICATION - GENERAL FORMS

Section 1: General Information

1. **Name of Applicant (As registered with the WV Secretary of State's Office):** The Monongalia County Coal Company	**2. Facility Name or Location:** Monongalia County Preparation Plant
3. DAQ Plant ID No.: 0 6 1 — 0 0 0 1 6	**4. Federal Employer ID No. (FEIN):** 1 3 2 5 6 6 5 9 4

5. **Permit Application Type:**

☐ Initial Permit — When did operations commence? MM/DD/YYYY
☒ Permit Renewal — What is the expiration date of the existing permit? 07/09/2018
☐ Update to Initial/Renewal Permit Application

6. Type of Business Entity:

☒ Corporation ☐ Governmental Agency ☐ LLC
☐ Partnership ☐ Limited Partnership

8. Number of onsite employees:

45

7. Is the Applicant the:

☐ Owner ☐ Operator ☒ Both

If the Applicant is not both the owner and operator, please provide the name and address of the other party.

_____
_____
_____

9. Governmental Code:

☒ Privately owned and operated; 0
☐ Federally owned and operated; 1
☐ State government owned and operated; 2
☐ County government owned and operated; 3
☐ Municipality government owned and operated; 4
☐ District government owned and operated; 5

10. Business Confidentiality Claims

Does this application include confidential information (per 45CSR31)? ☐ Yes ☒ No

If yes, identify each segment of information on each page that is submitted as confidential, and provide justification for each segment claimed confidential, including the criteria under 45CSR§31-4.1, and in accordance with the DAQ's *"PRECAUTIONARY NOTICE-CLAIMS OF CONFIDENTIALITY"* guidance.

11. Mailing Address		
Street or P.O. Box: P.O. Box 24		
City: Wana	**State:** WV	**Zip:** 26590-
Telephone Number: (304) 285-2233	**Fax Number:** (304)-285-2226	

12. Facility Location		
Street: County Route 12	**City:** Wana	**County:** Monongalia
UTM Easting: 560.47 km	**UTM Northing:** 4,395.78 km	**Zone:** ☒ 17 or ☐ 18
Directions: Approximatley 1/2 mle NE of Wana and State Route 17 on County Route 12.		
Portable Source? ☐ Yes ☒ No		
Is facility located within a nonattainment area? ☐ Yes ☒ No		**If yes, for what air pollutants?**
Is facility located within 50 miles of another state? ☒ Yes ☐ No		**If yes, name the affected state(s).** PA
Is facility located within 100 km of a Class I Area[1]? ☐ Yes ☒ No **If no, do emissions impact a Class I Area[1]?** ☐ Yes ☒ No		**If yes, name the area(s).**

[1] *Class I areas include Dolly Sods and Otter Creek Wilderness Areas in West Virginia, and Shenandoah National Park and James River Face Wilderness Area in Virginia.*

13. Contact Information		
Responsible Official: Jason D. Witt		**Title:** Secretary
Street or P.O. Box: 46226 National Road		
City: St. Clairsville	**State:** OH	**Zip:** 43950-
Telephone Number: (740) 338-3100 x3352	**Fax Number:** (740)-338-3405	
E-mail address: jwitt@coalsource.com		
Environmental Contact: David Roddy		**Title:** Environmental Engineer
Street or P.O. Box: 1 Bridge Street		
City: Monongah	**State:** WV	**Zip:** 26554-
Telephone Number: (304) 534-4726	**Fax Number:** () -	
E-mail address: DavidRoddy@coalsource.com		
Application Preparer: Mike Burr		**Title:** Managing Consultant
Company: Trinity Consultants		
Street or P.O. Box: 3401 Enterprise Parkway, Suite 340		
City: Beachwood	**State:** OH	**Zip:** 44122
Telephone Number: (216) 278-0500	**Fax Number:** (614) 433-0734	
E-mail address: mburr@trinityconsultants.com		

14. Facility Description

List all processes, products, NAICS and SIC codes for normal operation, in order of priority. Also list any process, products, NAICS and SIC codes associated with any alternative operating scenarios if different from those listed for normal operation.

Process	Products	NAICS	SIC
Coal Preparation w/ Thermal Dryer	Coal	212112	1222

Provide a general description of operations.

The Monongalia County Preparation Plant consists of coal mining and a preparation plant with a thermal dryer.

15. Provide an **Area Map** showing plant location as **ATTACHMENT A**. See attached.

16. Provide a **Plot Plan(s)**, e.g. scaled map(s) and/or sketch(es) showing the location of the property on which the stationary source(s) is located as **ATTACHMENT B**. For instructions, refer to "Plot Plan - Guidelines." See attached.

17. Provide a detailed **Process Flow Diagram(s)** showing each process or emissions unit as **ATTACHMENT C**. Process Flow Diagrams should show all emission units, control equipment, emission points, and their relationships. See attached.

Section 2: Applicable Requirements

18. Applicable Requirements Summary	
Instructions: Mark all applicable requirements.	
☐ SIP	☐ FIP
☒ Minor source NSR (45CSR13)	☐ PSD (45CSR14)
☐ NESHAP (45CSR34)	☐ Nonattainment NSR (45CSR19)
☒ Section 111 NSPS	☐ Section 112(d) MACT standards
☐ Section 112(g) Case-by-case MACT	☐ 112(r) RMP
☐ Section 112(i) Early reduction of HAP	☐ Consumer/commercial prod. reqts., section 183(e)
☐ Section 129 Standards/Reqts.	☐ Stratospheric ozone (Title VI)
☐ Tank vessel reqt., section 183(f)	☐ Emissions cap 45CSR§30-2.6.1
☐ NAAQS, increments or visibility (temp. sources)	☐ 45CSR27 State enforceable only rule
☒ 45CSR4 State enforceable only rule	☐ Acid Rain (Title IV, 45CSR33)
☐ Emissions Trading and Banking (45CSR28)	☒ **C**ompliance **A**ssurance **M**onitoring (40CFR64)
☐ CAIR NO_x Annual Trading Program (45CSR39)	☐ CAIR NO_x Ozone Season Trading Program (45CSR40)
☐ CAIR SO_2 Trading Program (45CSR41)	

19. Non Applicability Determinations
List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies. N/A
☐ Permit Shield

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*).

Refer to suggested Title V permit language.

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested facility-wide applicable requirements and proposed compliance demonstration methods.

☒ Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Refer to suggested Title V permit language.

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested facility-wide applicable requirements and proposed compliance demonstration methods.

Are you in compliance with all facility-wide applicable requirements? ☒ Yes ☐ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

21. Active Permits/Consent Orders		
Permit or Consent Order Number	Date of Issuance MM/DD/YYYY	List any Permit Determinations that Affect the Permit *(if any)*
R13-0718F	11/04/2016	
R30-06100016-2013 (MM02)	07/09/2013	
	/ /	

22. Inactive Permits/Obsolete Permit Conditions		
Permit Number	Date of Issuance	Permit Condition Number
R13-0718C	01/20/2006	Permit was superceded and replaced by R13-0718D
R13-0718D	07/13/2011	Permit was superceded and replaced by R13-0718E
R13-0718E	01/12/2015	Permit was superceded and replaced by R13-0718F
	/ /	

Section 3: Facility-Wide Emissions

23. Facility-Wide Emissions Summary [Tons per Year]	
Criteria Pollutants	Potential Emissions
Carbon Monoxide (CO)	103.0
Nitrogen Oxides (NO_X)	136.31
Lead (Pb)	
Particulate Matter ($PM_{2.5}$)[1]	505.16
Particulate Matter (PM_{10})[1]	505.16
Total Particulate Matter (TSP)	1,644.04
Sulfur Dioxide (SO_2)	249.4
Volatile Organic Compounds (VOC)	129.25
Hazardous Air Pollutants[2]	Potential Emissions
Regulated Pollutants other than Criteria and HAP	Potential Emissions

[1]$PM_{2.5}$ and PM_{10} are components of TSP.
[2]For HAPs that are also considered PM or VOCs, emissions should be included in both the HAPs section and the Criteria Pollutants section.

The facility-wide potential emissions summary is based on the Engineering Evaluation issued for R13-0718E, December 5, 2014. This summary conservatively assumes that all PM_{10} is $PM_{2.5}$.

Section 4: Insignificant Activities

24. Insignificant Activities (Check all that apply)		
☒	1.	Air compressors and pneumatically operated equipment, including hand tools.
☒	2.	Air contaminant detectors or recorders, combustion controllers or shutoffs.
☒	3.	Any consumer product used in the same manner as in normal consumer use, provided the use results in a duration and frequency of exposure which are not greater than those experienced by consumer, and which may include, but not be limited to, personal use items; janitorial cleaning supplies, office supplies and supplies to maintain copying equipment.
☒	4.	Bathroom/toilet vent emissions.
☒	5.	Batteries and battery charging stations, except at battery manufacturing plants.
☒	6.	Bench-scale laboratory equipment used for physical or chemical analysis, but not lab fume hoods or vents. Many lab fume hoods or vents might qualify for treatment as insignificant (depending on the applicable SIP) or be grouped together for purposes of description.
☐	7.	Blacksmith forges.
☐	8.	Boiler water treatment operations, not including cooling towers.
☒	9.	Brazing, soldering or welding equipment used as an auxiliary to the principal equipment at the source.
☐	10.	CO_2 lasers, used only on metals and other materials which do not emit HAP in the process.
☒	11.	Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources.
☒	12.	Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel.
☒	13.	Comfort air conditioning or ventilation systems not used to remove air contaminants generated by or released from specific units of equipment.
☐	14.	Demineralized water tanks and demineralizer vents.
☐	15.	Drop hammers or hydraulic presses for forging or metalworking.
☐	16.	Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam.
☐	17.	Emergency (backup) electrical generators at residential locations.
☒	18.	Emergency road flares.
☐	19.	Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO_x, SO_2, VOC and PM) into the atmosphere at a rate of less than 1 pound per hour and less than 10,000 pounds per year aggregate total for each criteria pollutant from all emission units. Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis: _____ _____ _____ _____ _____ _____ _____ _____ _____

24. Insignificant Activities (Check all that apply)		
☐	20.	Emission units which do not have any applicable requirements and which emit hazardous air pollutants into the atmosphere at a rate of less than 0.1 pounds per hour and less than 1,000 pounds per year aggregate total for all HAPs from all emission sources. This limitation cannot be used for any source which emits dioxin/furans nor for toxic air pollutants as per 45CSR27. Please specify all emission units for which this exemption applies along with the quantity of hazardous air pollutants emitted on an hourly and annual basis: _____ _____ _____ _____ _____
☐	21.	Environmental chambers not using hazardous air pollutant (HAP) gases.
☒	22.	Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.
☐	23.	Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.
☒	24.	Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.
☐	25.	Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.
☒	26.	Fire suppression systems.
☒	27.	Firefighting equipment and the equipment used to train firefighters.
☒	28.	Flares used solely to indicate danger to the public.
☒	29.	Fugitive emission related to movement of passenger vehicle provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted.
☐	30.	Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.
☒	31.	Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic.
☐	32.	Humidity chambers.
☐	33.	Hydraulic and hydrostatic testing equipment.
☒	34.	Indoor or outdoor kerosene heaters.
☒	35.	Internal combustion engines used for landscaping purposes.
☐	36.	Laser trimmers using dust collection to prevent fugitive emissions.
☒	37.	Laundry activities, except for dry-cleaning and steam boilers.
☒	38.	Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.
☐	39.	Oxygen scavenging (de-aeration) of water.
☐	40.	Ozone generators.

24. Insignificant Activities (Check all that apply)		
☒	41.	Plant maintenance and upkeep activities (e.g., grounds-keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, are not related to the source's primary business activity, and not otherwise triggering a permit modification. (Cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements. Asphalt batch plant owners/operators must still get a permit if otherwise requested.)
☒	42.	Portable electrical generators that can be moved by hand from one location to another. "Moved by Hand" means that it can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device.
☒	43.	Process water filtration systems and demineralizers.
☒	44.	Repair or maintenance shop activities not related to the source's primary business activity, not including emissions from surface coating or de-greasing (solvent metal cleaning) activities, and not otherwise triggering a permit modification.
☒	45.	Repairs or maintenance where no structural repairs are made and where no new air pollutant emitting facilities are installed or modified.
☒	46.	Routing calibration and maintenance of laboratory equipment or other analytical instruments.
☐	47.	Salt baths using nonvolatile salts that do not result in emissions of any regulated air pollutants. Shock chambers.
☐	48.	Shock chambers.
☐	49.	Solar simulators.
☒	50.	Space heaters operating by direct heat transfer.
☒	51.	Steam cleaning operations.
☐	52.	Steam leaks.
☐	53.	Steam sterilizers.
☐	54.	Steam vents and safety relief valves.
☒	55.	Storage tanks, reservoirs, and pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized.
☒	56.	Storage tanks, vessels, and containers holding or storing liquid substances that will not emit any VOC or HAP. Exemptions for storage tanks containing petroleum liquids or other volatile organic liquids should be based on size limits such as storage tank capacity and vapor pressure of liquids stored and are not appropriate for this list.
☒	57.	Such other sources or activities as the Director may determine.
☒	58.	Tobacco smoking rooms and areas.
☒	59.	Vents from continuous emissions monitors and other analyzers.

Section 5: Emission Units, Control Devices, and Emission Points

25. Equipment Table
Fill out the **Title V Equipment Table** and provide it as **ATTACHMENT D**.
26. Emission Units
For each emission unit listed in the **Title V Equipment Table**, fill out and provide an **Emission Unit Form** as **ATTACHMENT E**.
For each emission unit not in compliance with an applicable requirement, fill out a **Schedule of Compliance Form** as **ATTACHMENT F**.
27. Control Devices
For each control device listed in the **Title V Equipment Table**, fill out and provide an **Air Pollution Control Device Form** as **ATTACHMENT G**.
For any control device that is required on an emission unit in order to meet a standard or limitation for which the potential pre-control device emissions of an applicable regulated air pollutant is greater than or equal to the Title V Major Source Threshold Level, refer to the **Compliance Assurance Monitoring (CAM) Form(s)** for CAM applicability. Fill out and provide these forms, if applicable, for each Pollutant Specific Emission Unit (PSEU) as **ATTACHMENT H**.

Section 6: Certification of Information

28. Certification of Truth, Accuracy and Completeness and Certification of Compliance

*Note: This Certification must be signed by a responsible official. The **original**, signed in **blue ink**, must be submitted with the application. Applications without an **original** signed certification will be considered as incomplete.*

a. Certification of Truth, Accuracy and Completeness

I certify that I am a responsible official (as defined at 45CSR§30-2.38) and am accordingly authorized to make this submission on behalf of the owners or operators of the source described in this document and its attachments. I certify under penalty of law that I have personally examined and am familiar with the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine and/or imprisonment.

b. Compliance Certification

Except for requirements identified in the Title V Application for which compliance is not achieved, I, the undersigned hereby certify that, based on information and belief formed after reasonable inquiry, all air contaminant sources identified in this application are in compliance with all applicable requirements.

Responsible official (type or print)

Name: Jason D. Witt	Title: Secretary

Responsible official's signature:

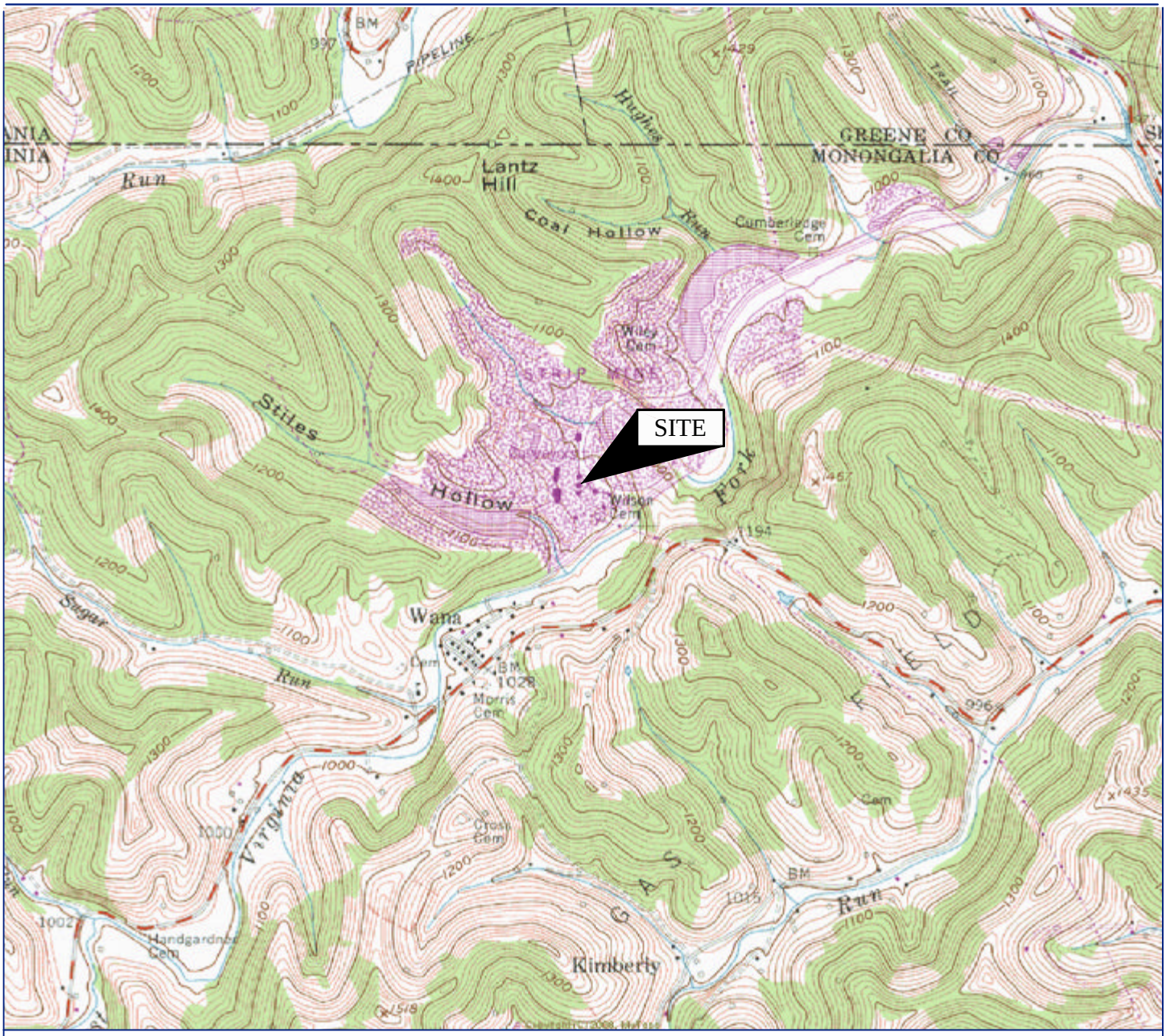
Signature: _____ Signature Date: 12/21/17

(Must be signed and dated in blue ink)

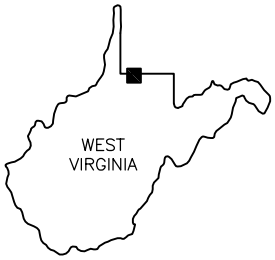
Note: Please check all applicable attachments included with this permit application:	
☒	ATTACHMENT A: Area Map
☒	ATTACHMENT B: Plot Plan(s)
☒	ATTACHMENT C: Process Flow Diagram(s)
☒	ATTACHMENT D: Equipment Table
☒	ATTACHMENT E: Emission Unit Form(s)
☐	ATTACHMENT F: Schedule of Compliance Form(s) **NOT APPLICABLE**
☒	ATTACHMENT G: Air Pollution Control Device Form(s)
☒	ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s)

All of the required forms and additional information can be found and downloaded from, the DEP website at www.dep.wv.gov/daq, requested by phone (304) 926-0475, and/or obtained through the mail.

ATTACHEMNT A: AREA MAP



SOURCE: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE
WADESTOWN, WEST VIRGINIA
CONTOUR INTERVAL = 20' 1958 (1976)



QUADRANGLE LOCATION

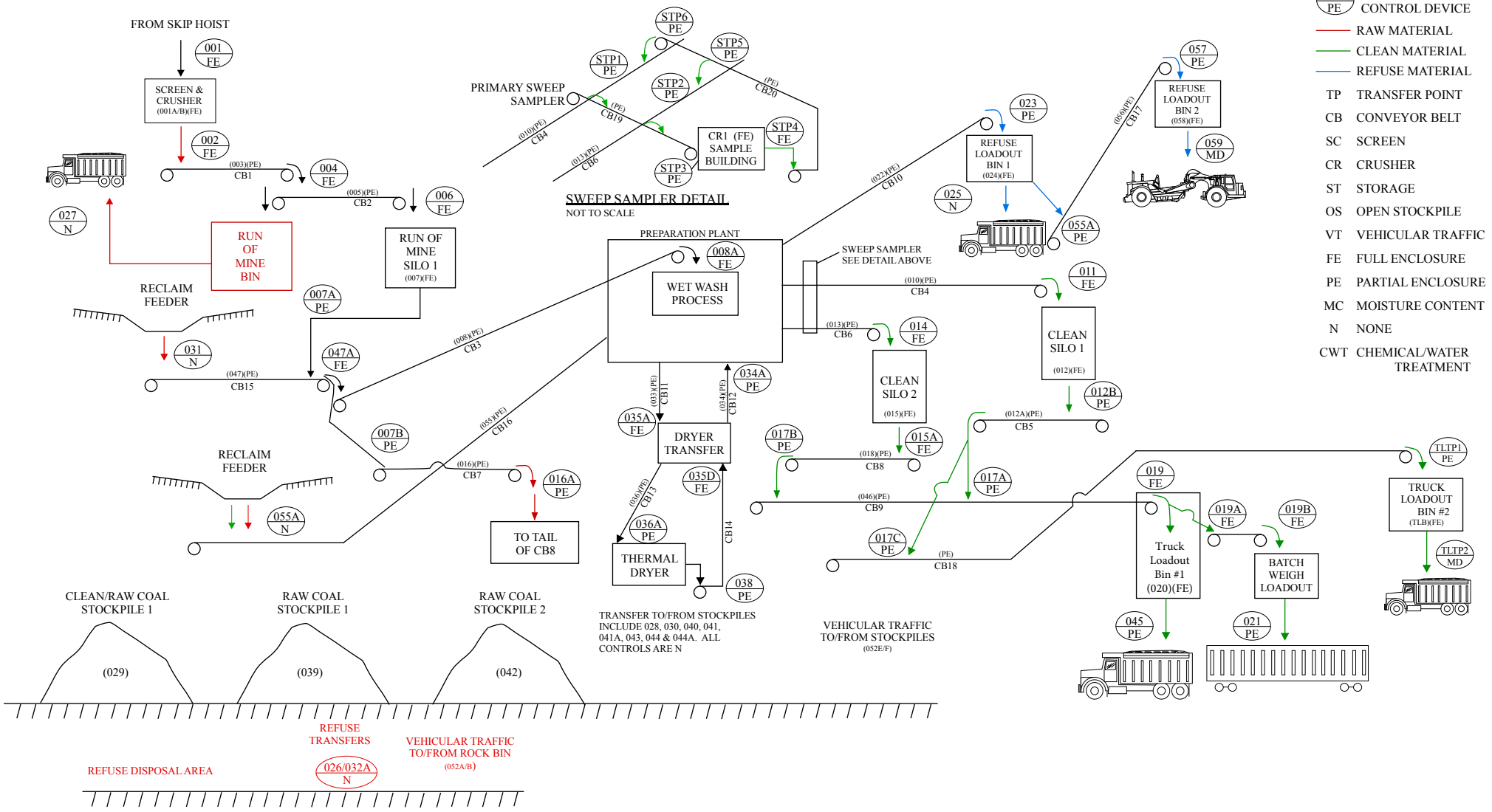
The Monongalia County Coal Company
Monongalia County Prep Plant

Site Location Map

ATTACHMENT B: PLOT PLAN

SOURCE: MAP CREATED FROM PRELIMINARY PLOT PLAN; POTESTA AND ASSOCIATES, INC.

ATTACHMENT C: PROCESS FLOW DIAGRAM



PROCESS FLOW DIAGRAM

The Monongalia County Coal Company
Monongalia County Prep Plant

NOT TO SCALE	DATE	FIGURE
	Dec 2017	1

ATTACHMENT D – TITLE V EQUIPMENT TABLE

ATTACHMENT D - Title V Equipment Table
(includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)

Emission Point ID[1]	Control Device[1]	Emission Unit ID[1]	Emission Unit Description	Design Capacity		Year Installed/ Modified
				tph	tpy X 10^6	
RAW COAL CIRCUIT						
Z01	FE	001B	Screen 1 – Screening of run of mine raw coal at mine's skip shaft	1,800	10.0	M 2006 C 2000
Z01	FE	001A	Crusher 1 – Crushing of run of mine raw coal at mine's skip shaft	1,800	10.0	M 2006 C 2000
Z01	PE	003	Conveyor CB1 - Belt from Screen/Crusher Building to Conveyor CB2 in Raw Coal (RC) Transfer Building	1,800	10.0	M 2006 C 2000
Z01	FE	007A	Run of Mine Bin - receives raw coal from Conveyor CB1 and loads it to truck/pan - 300 ton capacity	1,800	10.0	M 2006
Z01	PE	005	Conveyor CB2 - Belt from RC Transfer Building to Run of mine Silo 1	1,800	10.0	M 2006 C 2000
Z01	FE	007	Run of Mine Silo 1 - (Capacity 6,000 tons)	1,800	10.0	M 2006 C 1970
Z01	PE	047	Conveyor CB15 - Belt from pan/truck dump reclaim feeder and Run of Mine Silo 1 to Conveyor CB3 (plant feed) or Conveyor CB7	1,500	1.24	2000
Z01	PE	008	Conveyor CB3 - Belt from Conveyor CB15 to Preparation Plant	1,800	10.0	2000
Z01	PE	016	Conveyor CB7 - Belt from Conveyor CB15 to Conveyor CB8 (see Clean Coal Circuit)	1,500	6.0	1970
Z01	PE	055	Conveyor CB16 - Belt from Clean/Raw Coal Stockpile 1 reclaim feeder to Preparation Plant	1,800	1.3	1996
STOCKPILES						
Z01	MC	029	Clean/Raw Coal Stockpile 1 - Stockpile footprint is 13 acres with a storage capacity of approximately 900,000 tons.	NA	2.0	2000
Z01	MC	039	Raw Coal Stockpile 1 - Stockpile footprint is 9.9 acres with a storage capacity of approximately 480,000 tons.	NA	1.0	1990
Z01	MC	042	Raw Coal Stockpile 2 - Stockpile footprint is 3.3 acres with a storage capacity of approximately 90,000 tons.	NA	0.2	1990
THERMAL DRYER CIRCUIT						
Z01	PE	033	Conveyor CB11 - Belt from Preparation Plant to Conveyor CB13 in Thermal Dryer Transfer Building	650	4.2	2000
Z01	PE	036	Conveyor CB13 - Belt from Conveyor CB11 in Thermal Dryer Transfer Building to Thermal Dryer	650	4.2	1984
P002	Cyclone Scrubber	037C	Thermal Dryer	650	4.2	1984
Z01	PE	038	Conveyor CB14 - Belt from Thermal Dryer to Conveyor CB12 in Thermal Dryer Transfer Building	650	4.2	1984
Z01	PE	034	Conveyor CB12 - Belt from Conveyor CB14 in Thermal Dryer Transfer Building to Preparation Plant	650	4.2	2000
CLEAN COAL CIRCUIT						

ATTACHMENT D - Title V Equipment Table
(includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)

Emission Point ID[1]	Control Device[1]	Emission Unit ID[1]	Emission Unit Description	Design Capacity		Year Installed/ Modified
				tph	tpy X 10^6	
Z01	PE	010	Conveyor CB4 - Belt from Preparation Plant to Clean Coal (CC) Silo 1 or Sample Conveyor CB19	1,500	4.18	2000
Z01	PE	013	Conveyor CB6 - Belt from Preparation Plant to Clean Coal (CC) Silo 2 or Sample Conveyor CB19	1,500	3.42	2000
CB19	PE	CB19	Sample Conveyor CB19 - Sample Belt from Conveyor CB4 and CB6 (see below) to Sample Crusher CR1	5	0.0438	C 1989
CR1	FE	CR1	Sample Crusher CR1 - crushes CC from Sample Conveyor CB19	5	0.0438	C 1989
CB20	PE	CB20	Sample Conveyor CB20 - Sample Belt from Sample Crusher CR1 back to Conveyors CB4 or CB6	5	0.0438	C 1989
Z01	FE	012	Clean Coal Silo 1 - (Capacity 14,000 t)	1,500	4.18	1970
Z01	FE	012A	Conveyor CB5 - CC Silo 1 reclaim conveyor	3,000	4.18	1970
CB18	PE	CB18	Conveyor CB18 - CC truck loadout conveyor	1,000	1.0	C 2011
CB18A	PE	CB18A	Conveyor CB18A - CC truck loadout conveyor	1,000	1.0	C 2011
TLB	FE	TLB	Truck Loadout Bin TLB #2 - 100 ton capacity	1,000	1.0	C 2011
Z01	FE	015	Clean Coal Silo 2 - (Capacity 12,000 t)	1,500	3.42	1970
Z01	FE	018	Conveyor CB8 - CC Silo 2 reclaim conveyor	3,000	3.42	1970
Z01	PE	046	Conveyor CB9 - Rail Loadout Feed Belt - from Conveyors CB5 and CB8 to Truck Loadout Bin TLB #1 or Conveyor CB19A	3,000	7.6	1970
Z01	FE	020	Truck Loadout Bin TLB #1 - (Capacity - 100 tons)	3,000	7.6	1970
Z01	PE	CB19A	Conveyor CB19A – Batch Weigh Loadout Conveyor	3,500	9.3	C 2014
Z01	FE	BWL	Batch Weigh Loadout BWL - (Capacity – 220 tons)	3,500	9.3	C 2014
REFUSE CIRCUIT						
Z01	PE	022	Conveyor CB10 - Belt from Preparation Plant to Refuse Loadout Bin1	650	5.694	M 2011 C 2000
Z01	FE	024	Refuse Loadout Bin 1 - (Capacity – 100 tons)	650	5.694	M 2011 C 1970
Z01	PE	056	Conveyor CB17- Belt from Refuse Loadout Bin 1to Refuse Loadout Bin2	650	5.694	2004
Z01	FE	058	Refuse Loadout Bin 2 - (Capacity – 100 tons)	650	5.694	2004
HAULROADS						
Z01	WT	052A	Haulroads-Unpaved Roads -refuse vehicle to disposal area full.	NA	NA	2000
Z01	WT	052B	Haulroads-Unpaved Roads -refuse vehicle from disposal area empty.	NA	NA	2000
Z01	WT	052C	Haulroads-Unpaved Roads - Clean Coal to/from CC/RC Stockpile 1/ empty	NA	NA	2000
Z01	WT	052D	Haulroads-Unpaved Roads - Clean Coal to/from CC/RC Stockpile 1/ full	NA	NA	2000

ATTACHMENT D - Title V Equipment Table
(includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)

Emission Point ID[1]	Control Device[1]	Emission Unit ID[1]	Emission Unit Description	Design Capacity		Year Installed/ Modified
				tph	tpy X 10^6	
Z01	WT	052	Haulroads-Unpaved Roads - Raw Coal to/from Raw Coal Stockpile #1 / empty	NA	NA	1990
Z01	WT	052F	Haulroads-Unpaved Roads - Raw Coal to/from Raw Coal Stockpile #1 / full	NA	NA	1990
Z01	WT	052G	Haulroads-Unpaved Roads - Raw Coal to/from Raw Coal Stockpile #2/ empty	NA	NA	1990
Z01	WT	052H	Haulroads-Unpaved Roads - Raw Coal to/from Raw Coal Stockpile #2/ full	NA	NA	1990
Z01	WT	052I	Haulroads-Unpaved Roads -Empty trucks to truck loadout	NA	NA	1970
Z01	WT	052J	Haulroads-Unpaved Roads -Full trucks from truck loadout	NA	NA	1970
Z01	WT	052K	Haulroads-Unpaved Roads - Clean Coal to/from CC/RC Stockpile #1 / full	NA	NA	2000
Z01	WT	052L	Haulroads-Unpaved Roads - Clean Coal to/from CC/RC Stockpile #1 / empty	NA	NA	2000
Z01	WT	052M	Haulroads - Unpaved Roads - Trucks transporting coal from Truck Loadout Bin TLB	1,000	1.0	C 2011
MISCELLANEOUS						
Z01	NA	048	Lime Storage Silo 1	NA	NA	1970
Z01	NA	050	Rock Dust Silo 1	NA	NA	1970
Z01	NA	009B	VOC emissions from prep plant Froth Flotation Cell	NA	NA	2000
P001	NA	009	VOC emissions from prep plant Vacuum Filter	NA	NA	2000
Z01	NA	049	VOC emissions from water treatment Thickener	NA	NA	2000
Z01	NA	020	VOC emissions from rail cars anti-freeze spray	NA	NA	1970
Z01	NA	053A-M	VOC working/breathing losses from liquid chemical and petroleum storage tanks	NA	NA	1970

[1]For 45CSR13 permitted sources, the numbering system used for the emission points, control devices, and emission units should be consistent with the numbering system used in the 45CSR13 permit. For grandfathered sources, the numbering system should be consistent with registrations or emissions inventory previously submitted to DAQ. For emission points, control devices, and emissions units which have not been previously labeled, use the following 45CSR13 numbering system: 1S, 2S, 3S,... or other appropriate description for emission units; 1C, 2C, 3C,... or other appropriate designation for control devices; 1E, 2E, 3E, ... or other appropriate designation for emission points.

ATTACHMENT E - Emission Unit Form

Emission Unit Description MISCELLANEOUS

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
048; 050; 009B; 009; 049; 020; 053A-M;	Lime Storage Silo 1; Rock Dust Silo 1; VOC- Prep plant froth flotation cell; VOC – Prep plant vacuum filter; VOC – Water treatment thickner; VOC – Railcar anti-freeze spray, VOC – Storage Tanks;	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Miscellaneous sources

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	NA
Construction date:	**Installation date:**	**Modification date(s):**
See Attachment D	See Attachment D	Not Applicable

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): NA

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
See Attachment D	See Attachment D	8,760 hrs/year

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes X No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data

Criteria Pollutants	Potential Emissions

	PPH	TPY
Carbon Monoxide (CO)	See facility-wide emissions summary	See facility-wide emissions summary
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)		
Particulate Matter (PM_{10})		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested emission-unit specific applicable requirements and proposed compliance demonstration methods.

___X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested emission-unit specific applicable requirements and proposed compliance demonstration methods.

Are you in compliance with all applicable requirements for this emission unit? <u>X</u> Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description HAUL ROADS

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
052A-M	Unpaved haul roads	Water Truck Sprays

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Unpaved haul roads

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	NA

Construction date:	**Installation date:**	**Modification date(s):**
See Attachment D	See Attachment D	Not Applicable

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): NA

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
NA	NA	8,760 hrs/year

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes X No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	See facility-wide emissions summary	See facility-wide emissions summary
Particulate Matter (PM_{10})		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Not Applicable		
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

See facility-wide emissions summary

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested emission-unit specific applicable requirements and proposed compliance demonstration methods.

__X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested emission-unit specific applicable requirements and proposed compliance demonstration methods.

Are you in compliance with all applicable requirements for this emission unit? X Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description THERMAL DRYER CIRCUIT

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
033; 036; 037C; 038 and 034	Conveyor CB11; Conveyor CB13; Thermal Dryer; Conveyor CB14 and Conveyor CB12	Cyclones; Scrubber for 037C; PE others

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal fired fluidized bed thermal dryer at a coal preparation plant.

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	NA
Construction date:	**Installation date:**	**Modification date(s):**
See Attachment D	See Attachment D	Not Applicable

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): See Attachment D

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
See Attachment D	See Attachment D	See Attachment D

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? X Yes ___ No	**If yes, is it?** _X_ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating: 115 MM Btu	**Type and Btu/hr rating of burners:** Bigelow-Liptak 115 MM Btu/hour

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Coal @ 4.24 tons per hour/ 24,804 tons per year.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Coal	3.47%	8.64%	13,208 Btu/lb

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	See facility-wide emissions summary	See facility-wide emissions summary	
Nitrogen Oxides (NO_X)			
Lead (Pb)			
Particulate Matter ($PM_{2.5}$)			
Particulate Matter (PM_{10})			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO_2)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Not Applicable			
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). See facility-wide emissions summary			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested emission-unit specific applicable requirements and proposed compliance demonstration methods.

__X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested emission-unit specific applicable requirements and proposed compliance demonstration methods.

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description STOCKPILES

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
029;039 and 042	Clean/Raw Coal Stockpile 1; Raw Coal Stockpile 1 and Raw Coal Stockpile 2	Moisture Content

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Raw coal and clean coal storage stockpiles.

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	NA
Construction date:	**Installation date:**	**Modification date(s):**
See Attachment D	See Attachment D	Not Applicable

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): See Attachment D

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
NA	NA	8,760 hrs/year.

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? __Yes X No	**If yes, is it?** ___ Indirect Fired __Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter (PM_{10})	See facility-wide emissions summary	See facility-wide emissions summary
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		

Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Not Applicable		

Regulated Pollutants other than Criteria and HAP	Potential Emissions			
	Source	PPH	Source	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

See facility-wide emission summary.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested emission-unit specific applicable requirements and proposed compliance demonstration methods.

_X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested emission-unit specific applicable requirements and proposed compliance demonstration methods.

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description REFUSE CIRCUIT

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
022; 024; 056 and 058	Conveyor CB10; Refuse Loadout Bin 1; Conveyor CB17 and Refuse Loadout Bin 2	FE/PE – See Attachment D

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Transfer of coal refuse

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	NA
Construction date:	**Installation date:**	**Modification date(s):**
NA	See Attachment D	See Attachment D

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): See Attachment D

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
See Attachment D	See Attachment D	8760

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes X No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data

Criteria Pollutants	Potential Emissions

	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	See facility-wide emissions summary	See facility-wide emissions summary
Particulate Matter (PM_{10})		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Not Applicable		
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

See facility-wide emissions summary

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested emission-unit specific applicable requirements and proposed compliance demonstration methods.

__X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested emission-unit specific applicable requirements and proposed compliance demonstration methods.

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description RAW COAL CIRCUIT

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
001B; 001A; 003; 007A; 005; 007; 047; 008; 016 and 055	Screen 1; Crusher 1; Conveyor CB1; Run of Mine Bin; Conveyor CB2; Run of Mine Silo 1; Conveyor CB15; Conveyor CB3; Conveyor CB7 and Conveyor CB16	FE/PE – See Attachment D

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Screening and crushing of raw coal and transferring raw and clean coal.

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	NA

Construction date:	**Installation date:**	**Modification date(s):**
NA	NA	See Attachment D

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): See Attachment D

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
See Attachment D	See Attachment D	8760

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes X No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	See facility-wide emissions summary	See facility-wide emissions summary
Particulate Matter (PM_{10})		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Not Applicable		
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

See facility-wide emissions summary.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested emission-unit specific applicable requirements and proposed compliance demonstration methods.

__X__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested emission-unit specific applicable requirements and proposed compliance demonstration methods.

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description CLEAN COAL CIRCUIT

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
010; 013; CB19; CR1; CB20; 012; 012A; CB18; CB18A, TLB; 015; 018; 046, 020, CB19, BWL	Conveyor CB4; Conveyor CB6; Sample Conveyor CB19; Sample Crusher CR1; Sample Conveyor CB20; Clean Coal Silo 1; Conveyor CB5; Conveyor CB18; Conveyor CB18A; Truck Loadout Bin TLB; Clean Silo 2; Conveyor CB8; Conveyor CB9, Rail Loadout Bin, Conveyor Belt 19A, Batch Weigh Loadout Bin	FE/PE – See Attachment D

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Equipment used to transfer clean coal from the preparation plant to loadout.

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	NA
Construction date:	**Installation date:**	**Modification date(s):**
See Attachment D	See Attachment D	See Attachment D

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): See Attachment D

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
See Attachment D	See Attachment D	8760

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes X No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	Refer to facility-wide emissions summary	Refer to facility-wide emissions summary
Particulate Matter (PM_{10})		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Not Applicable		
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

See facility-wide emissions summary.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested emission-unit specific applicable requirements and proposed compliance demonstration methods.

___X_ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Refer to the proposed Title V permit language in Attachment I for MCCC's suggested emission-unit specific applicable requirements and proposed compliance demonstration methods.

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT G: AIR POLLUTION CONTROL DEVICE FORMS

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: 0002	**List all emission units associated with this control device.** 037C Thermal Dryer	
Manufacturer: NA	**Model number:** NA	**Installation date:** 01/01/1984

Type of Air Pollution Control Device:

___ Baghouse/Fabric Filter	X__ Venturi Scrubber	___ Multiclone
___ Carbon Bed Adsorber	___ Packed Tower Scrubber	___ Single Cyclone
___ Carbon Drum(s)	___ Other Wet Scrubber	___ Cyclone Bank
___ Catalytic Incinerator	___ Condenser	___ Settling Chamber
___ Thermal Incinerator	___ Flare	___ Other (describe) _____
___ Wet Plate Electrostatic Precipitator		___ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	100	

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? X__ Yes ___ No

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Describe the parameters monitored and/or methods used to indicate performance of this control device.
Refer to the suggested Title V permit language and the attached CAM plan.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: 0001	**List all emission units associated with this control device.** 037C Thermal Dryer	
Manufacturer: NA	**Model number:** NA	**Installation date:** 01/01/1984

Type of Air Pollution Control Device:

___ Baghouse/Fabric Filter	___ Venturi Scrubber	X__ Multiclone
___ Carbon Bed Adsorber	___ Packed Tower Scrubber	___ Single Cyclone
___ Carbon Drum(s)	___ Other Wet Scrubber	___ Cyclone Bank
___ Catalytic Incinerator	___ Condenser	___ Settling Chamber
___ Thermal Incinerator	___ Flare	___ Other (describe) _____
___ Wet Plate Electrostatic Precipitator		___ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	100	

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

NA

Is this device subject to the CAM requirements of 40 C.F.R. 64? X__ Yes ___ No

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Refer to the suggested Title V permit language and the attached CAM plan.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: NA	**List all emission units associated with this control device.** 037C Thermal Dryer	
Manufacturer: NA	**Model number:** NA	**Installation date:** MM/DD/YYYY

Type of Air Pollution Control Device:

___ Baghouse/Fabric Filter	___ Venturi Scrubber	___ Multiclone
___ Carbon Bed Adsorber	___ Packed Tower Scrubber	___ Single Cyclone
___ Carbon Drum(s)	___ Other Wet Scrubber	___ Cyclone Bank
___ Catalytic Incinerator	___ Condenser	___ Settling Chamber
___ Thermal Incinerator	___ Flare	X Other (describe) Caustic addition
___ Wet Plate Electrostatic Precipitator		___ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Sulfur Dioxide	NA	NA

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Caustic is added to the wet coal which feeds the fluidizing bed of the thermal dryer.

Is this device subject to the CAM requirements of 40 C.F.R. 64? X Yes ___ No

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Refer to the suggested Title V permit language and the attached CAM plan.

ATTACHMENT H – COMPLIANCE ASSURANCE MONITORING FORM

ATTACHMENT H - Compliance Assurance Monitoring (CAM) Plan Form

For definitions and information about the CAM rule, please refer to 40 CFR Part 64. Additional information (including guidance documents) may also be found at http://www.epa.gov/ttn/emc/cam.html

CAM APPLICABILITY DETERMINATION

1) Does the facility have a PSEU (Pollutant-Specific Emissions Unit considered separately with respect to **EACH** regulated air pollutant) that is subject to CAM (40 CFR Part 64), which must be addressed in this CAM plan submittal? To determine applicability, a PSEU must meet **all** of the following criteria (*If No, then the remainder of this form need not be completed*): ☒ YES ☐ NO

a. The PSEU is located at a major source that is required to obtain a Title V permit;

b. The PSEU is subject to an emission limitation or standard for the applicable regulated air pollutant that is NOT exempt;

LIST OF EXEMPT EMISSION LIMITATIONS OR STANDARDS:

- NSPS (40 CFR Part 60) or NESHAP (40 CFR Parts 61 and 63) proposed after 11/15/1990.
- Stratospheric Ozone Protection Requirements.
- Acid Rain Program Requirements.
- Emission Limitations or Standards for which a WVDEP Division of Air Quality Title V permit specifies a continuous compliance determination method, as defined in 40 CFR §64.1.
- An emission cap that meets the requirements specified in 40 CFR §70.4(b)(12).

c. The PSEU uses an add-on control device (as defined in 40 CFR §64.1) to achieve compliance with an emission limitation or standard;

d. The PSEU has potential pre-control device emissions of the applicable regulated air pollutant that are equal to or greater than the Title V Major Source Threshold Levels; AND

e. The PSEU is NOT an exempt backup utility power emissions unit that is municipally-owned.

BASIS OF CAM SUBMITTAL

2) Mark the appropriate box below as to why this CAM plan is being submitted as part of an application for a Title V permit:

☒ RENEWAL APPLICATION. **ALL** PSEUs for which a CAM plan has NOT yet been approved need to be addressed in this CAM plan submittal.

☐ INITIAL APPLICATION (submitted after 4/20/98). **ONLY** large PSEUs (i. e., PSEUs with potential post-control device emissions of an applicable regulated air pollutant that are equal to or greater than Major Source Threshold Levels) need to be addressed in this CAM plan submittal.

☐ SIGNIFICANT MODIFICATION TO LARGE PSEUs. **ONLY** large PSEUs being modified after 4/20/98 need to be addressed in this cam plan submittal. For large PSEUs with an approved CAM plan, Only address the appropriate monitoring requirements affected by the significant modification.

3) [a] BACKGROUND DATA AND INFORMATION					
Complete the following table for **all** PSEUs that need to be addressed in this CAM plan submittal. This section is to be used to provide background data and information for each PSEU In order to supplement the submittal requirements specified in 40 CFR §64.4. If additional space is needed, attach and label accordingly.					
PSEU DESIGNATION	DESCRIPTION	POLLUTANT	CONTROL DEVICE	[b] EMISSION LIMITATION or STANDARD	[c] MONITORING REQUIREMENT
P002	Thermal Dryer	TSP	Venturi Scrubber	Refer to Title V Permit	Continuously monitor: -Exhaust temperature -Scrubber water pressure -Scrubber water flow -Scrubber pressure loss
EXAMPLE Boiler No. 1	Wood-Fired Boiler	PM	Multiclone	45CSR§2-4.1.c.; 9.0 lb/hr	Monitor pressure drop across multiclone: Weekly inspection of multiclone

[a] If a control device is common to more than one PSEU, one monitoring plan may be submitted for the control device with the affected PSEUs identified and any conditions that must be maintained or monitored in accordance with 40 CFR §64.3(a). If a single PSEU is controlled by more than one control device similar in design and operation, one monitoring plan for the applicable control devices may be submitted with the applicable control devices identified and any conditions that must be maintained or monitored in accordance with 40 CFR §64.3(a).

[b] Indicate the emission limitation or standard for any applicable requirement that constitutes an emission limitation, emission standard, or standard of performance (as defined in 40 CFR §64.1).
[c] Indicate the monitoring requirements for the PSEU that are required by an applicable regulation or permit condition.

CAM MONITORING APPROACH CRITERIA			
Complete this section for **EACH** PSEU that needs to be addressed in this CAM plan submittal. This section may be copied as needed for each PSEU. This section is to be used to provide monitoring data and information for EACH indicator selected for EACH PSEU in order to meet the monitoring design criteria specified in 40 CFR §64.3 and §64.4. if more than two indicators are being selected for a PSEU or if additional space is needed, attach and label accordingly with the appropriate PSEU designation, pollutant, and indicator numbers.			
4a) PSEU Designation: P002	**4b) Pollutant:** TSP	**4c) [a] Indicator No.1:** Temperature of the gas stream at the exit of the thermal dryer	**4d) [a] Indicator No. 2:** Water Pressure to Scrubber
5a) GENERAL CRITERIA Describe the MONITORING APPROACH used to measure the indicators:		Gauges are monitored by operator during periods of normal operation.	Gauges are monitored by operator during periods of normal operation.
[b] Establish the appropriate INDICATOR RANGE or the procedures for establishing the indicator range which provides a reasonable assurance of compliance:		120-220°F	10-35 psig
5b) PERFORMANCE CRITERIA Provide the SPECIFICATIONS FOR OBTAINING REPRESENTATIVE DATA, such as detector location, installation specifications, and minimum acceptable accuracy:		The monitoring device is to be certified by the manufacturer to be accurate within ±3°F	Water pressure sensor is located close to the water discharge point.
[c] For new or modified monitoring equipment, provide VERIFICATION PROCEDURES, including manufacturer's recommendations, TO CONFIRM THE OPERATIONAL STATUS of the monitoring:		NA. Existing, non-modified equipment.	NA. Existing, non-modified equipment.
Provide QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) PRACTICES that are adequate to ensure the continuing validity of the data, (i.e., daily calibrations, visual inspections, routine maintenance, RATA, etc.):		Recalibration is conducted annually in accordance with procedures under 40 C.F.R. §60.13(b).	Recalibration is conducted annually in accordance with procedures under 40 C.F.R. §60.13(b).
[d] Provide the MONITORING FREQUENCY:		At least one data point every 15 minutes. Data reduced to hourly averages.	At least one data point every 15 minutes. Data reduced to hourly averages.
Provide the DATA COLLECTION PROCEDURES that will be used:		Collected and recorded using a digital data logger.	Collected and recorded using a digital data logger.
Provide the DATA AVERAGING PERIOD for the purpose of determining whether an excursion or exceedance has occurred:		3-hour average	3-hour average

[a] Describe all indicators to be monitored which satisfies 40 CFR §64.3(a). Indicators of emission control performance for the control device and associated capture system may include measured or predicted emissions (including visible emissions or opacity), process and control device operating parameters that affect control device (and capture system) efficiency or emission rates, or recorded findings of inspection and maintenance activities.

[b] Indicator Ranges may be based on a single maximum or minimum value or at multiple levels that are relevant to distinctly different operating conditions, expressed as a function of process variables, expressed as maintaining the applicable indicator in a particular operational status or designated condition, or established as interdependent between more than one indicator. For CEMS, COMS, or PEMS, include the most recent certification test for the monitor.

[c] The verification for operational status should include procedures for installation, calibration, and operation of the monitoring equipment, conducted in accordance with the manufacturer's recommendations, necessary to confirm the monitoring equipment is operational prior to the commencement of the required monitoring.

[d] Emission units with post-control PTE ≥ 100 percent of the amount classifying the source as a major source (i.e., Large PSEU) must collect four or more values per hour to be averaged. A reduced data collection frequency may be approved in limited circumstances. Other emission units must collect data at least once per 24 hour period.

CAM MONITORING APPROACH CRITERIA			
Complete this section for **EACH** PSEU that needs to be addressed in this CAM plan submittal. This section may be copied as needed for each PSEU. This section is to be used to provide monitoring data and information for EACH indicator selected for EACH PSEU in order to meet the monitoring design criteria specified in 40 CFR §64.3 and §64.4. if more than two indicators are being selected for a PSEU or if additional space is needed, attach and label accordingly with the appropriate PSEU designation, pollutant, and indicator numbers.			
4a) PSEU Designation: P002	**4b) Pollutant:** TSP	**4e) [a] Indicator No. 3:** Pressure Drop Across Scrubber	**4f) [a] Indicator No. 4:** Water Supply Flow Rate to Scrubber
5a) GENERAL CRITERIA Describe the MONITORING APPROACH used to measure the indicators:		Gauges are monitored by operator during periods of normal operation.	Gauges are monitored by operator during periods of normal operation.
[b] Establish the appropriate INDICATOR RANGE or the procedures for establishing the indicator range which provides a reasonable assurance of compliance:		15-50 in H_2O	400-1400 gpm
5b) PERFORMANCE CRITERIA Provide the SPECIFICATIONS FOR OBTAINING REPRESENTATIVE DATA, such as detector location, installation specifications, and minimum acceptable accuracy:		Pressure loss through the venturi constriction will be measured.	The monitoring device is to be certified by the manufacturer to be accurate within ±5 percent of design water supply flow rate.
[c] For new or modified monitoring equipment, provide VERIFICATION PROCEDURES, including manufacturer's recommendations, TO CONFIRM THE OPERATIONAL STATUS of the monitoring:		NA. Existing, non-modified equipment.	NA. Existing, non-modified equipment.
Provide QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) PRACTICES that are adequate to ensure the continuing validity of the data, (i.e., daily calibrations, visual inspections, routine maintenance, RATA, etc.):		Recalibration is conducted annually in accordance with procedures under 40 C.F.R. §60.13(b).	Recalibration is conducted annually in accordance with procedures under 40 C.F.R. §60.13(b).
[d] Provide the MONITORING FREQUENCY:		At least one data point every 15 minutes. Data reduced to hourly averages.	At least one data point every 15 minutes. Data reduced to hourly averages.
Provide the DATA COLLECTION PROCEDURES that will be used:		Collected and recorded using a digital data logger.	Collected and recorded using a digital data logger.
Provide the DATA AVERAGING PERIOD for the purpose of determining whether an excursion or exceedance has occurred:		3-hour average	3-hour average

[a] Describe all indicators to be monitored which satisfies 40 CFR §64.3(a). Indicators of emission control performance for the control device and associated capture system may include measured or predicted emissions (including visible emissions or opacity), process and control device operating parameters that affect control device (and capture system) efficiency or emission rates, or recorded findings of inspection and maintenance activities.

[b] Indicator Ranges may be based on a single maximum or minimum value or at multiple levels that are relevant to distinctly different operating conditions, expressed as a function of process variables, expressed as maintaining the applicable indicator in a particular operational status or designated condition, or established as interdependent between more than one indicator. For CEMS, COMS, or PEMS, include the most recent certification test for the monitor.

[c] The verification for operational status should include procedures for installation, calibration, and operation of the monitoring equipment, conducted in accordance with the manufacturer's recommendations, necessary to confirm the monitoring equipment is operational prior to the commencement of the required monitoring.

[d] Emission units with post-control PTE ≥ 100 percent of the amount classifying the source as a major source (i.e., Large PSEU) must collect four or more values per hour to be averaged. A reduced data collection frequency may be approved in limited circumstances. Other emission units must collect data at least once per 24 hour period.

RATIONALE AND JUSTIFICATION

Complete this section for **EACH** PSEU that needs to be addressed in this CAM plan submittal. This section may be copied as needed for each PSEU. This section is to be used to provide rationale and justification for the selection of EACH indicator and monitoring approach and EACH indicator range in order to meet the submittal requirements specified in 40 CFR §64.4.

6a) PSEU Designation:	6b) Regulated Air Pollutant:
P002	TSP

7) **INDICATORS AND THE MONITORING APPROACH**: Provide the rationale and justification for the selection of the indicators and the monitoring approach used to measure the indicators. Also provide any data supporting the rationale and justification. Explain the reasons for any differences between the verification of operational status or the quality assurance and control practices proposed, and the manufacturer's recommendations. (If additional space is needed, attach and label accordingly with the appropriate PSEU designation and pollutant):

Indicators were established previously in accordance with requirements of 40 CFR Part 60, Subpart Y.

8) **INDICATOR RANGES**: Provide the rationale and justification for the selection of the indicator ranges. The rationale and justification shall indicate how **EACH** indicator range was selected by either a COMPLIANCE OR PERFORMANCE TEST, a TEST PLAN AND SCHEDULE, or by ENGINEERING ASSESSMENTS. Depending on which method is being used for each indicator range, include the specific information required below for that specific indicator range. (If additional space is needed, attach and label accordingly with the appropriate PSEU designation and pollutant):

- COMPLIANCE OR PERFORMANCE TEST (Indicator ranges determined from control device operating parameter data obtained during a compliance or performance test conducted under regulatory specified conditions or under conditions representative of maximum potential emissions under anticipated operating conditions. Such data may be supplemented by engineering assessments and manufacturer's recommendations). The rationale and justification shall INCLUDE a summary of the compliance or performance test results that were used to determine the indicator range, and documentation indicating that no changes have taken place that could result in a significant change in the control system performance or the selected indicator ranges since the compliance or performance test was conducted.

- TEST PLAN AND SCHEDULE (Indicator ranges will be determined from a proposed implementation plan and schedule for installing, testing, and performing any other appropriate activities prior to use of the monitoring). The rationale and justification shall INCLUDE the proposed implementation plan and schedule that will provide for use of the monitoring as expeditiously as practicable after approval of this CAM plan, except that in no case shall the schedule for completing installation and beginning operation of the monitoring exceed 180 days after approval.

- ENGINEERING ASSESSMENTS (Indicator Ranges or the procedures for establishing indicator ranges are determined from engineering assessments and other data, such as manufacturers' design criteria and historical monitoring data, because factors specific to the type of monitoring, control device, or PSEU make compliance or performance testing unnecessary). The rationale and justification shall INCLUDE documentation demonstrating that compliance testing is not required to establish the indicator range.

RATIONALE AND JUSTIFICATION:

Indicator ranges were established during previous Title V renewal application. The ranges are being revised with this submittal to reflect normal operating conditions of the control device.

ATTACHMENT I – SUGGESTED TITLE V TERMS

1.0 Emission Units and Active R13, R14, and R19 Permits

1.1. Emission Units

Source ID	Emission Point ID	Equipment Description	Maximum Design Capacity		Date of Construction, Reconstruction or Modification [1]	Fugitive Dust Control System/ Control Device [2]	Control Device ID	Associated Emission Points		
			TPH	TPY x 10^6				ID No.	Transfer Description	Fugitive Dust Control System/ Control Device [2]
RAW COAL CIRCUIT										
001B	Z01	**Screen 1 –** Screening of run of mine raw coal at mine's skip shaft	1,800	10.0	M 2006 C 2000	FE	NA	001	Raw coal from mine to Screen/Crusher Unit	FE
								002	Screened/crushed coal to Conveyor CB1	FE
001A	Z01	**Crusher 1 –** Crushing of run of mine raw coal at mine's skip shaft	1,800	10.0	M 2006 C 2000	FE	NA	001	Raw coal from mine to Screen/Crusher Unit	FE
								002	Screened/crushed coal to Conveyor CB1	FE
003	Z01	**Conveyor CB1** - Belt from Screen/Crusher Building to Conveyor CB2 in Raw Coal (RC) Transfer Building	1,800	10.0	M 2006 C 2000	PE	NA	004	Raw coal (RC) from Conveyor CB1 to Conveyor CB2 or Run of Mine Bin	FE
007A		**Run of Mine Bin** - receives raw coal from Conveyor CB1 and loads it to truck/pan - 300 ton capacity	1,800	10.0	M 2006	FE	NA	027	Raw Coal (RC) from Run of Mine Bin to truck/pan for transport to stockpiles	N
005	Z01	**Conveyor CB2** - Belt from RC Transfer Building to Run of mine Silo 1	1,800	10.0	M 2006 C 2000	PE	NA	006	RC from Conveyor CB2 to Run of Mine Silo 1 load-in	FE
007	Z01	**Run of Mine Silo 1** - (Capacity 6,000 tons)	1,800 in 1,500 out	10.0	M 2006 C 1970	FE	NA	007A	Run of Mine Silo 1 reclaim to Conveyor CB15	PE
047	Z01	**Conveyor CB15** - Belt from pan/truck dump reclaim feeder and Run of Mine Silo 1 to Conveyor CB3 (plant feed) or Conveyor CB7	1,500	1.24	2000	PE	NA	031	Stockpile reclaim to Conveyor CB15	N
								047A	Transfer from Conveyor CB15 to Conveyor CB3 or Conveyor CB7	FE
008	Z01	**Conveyor CB3** - Belt from Conveyor CB15 to Preparation Plant	1,~~500~~800	10.0	2000	PE	NA	008A	RC from Conveyor CB3 to Preparation Plant	FE
016	Z01	**Conveyor CB7** - Belt from Conveyor **CB**15 to Conveyor **CB**8 (see Clean Coal Circuit)	1,500	6.0	1970	PE	NA	016A	RC from Conveyor CB7 to Conveyor CB8	PE
055	Z01	**Conveyor CB16** - Belt from Clean/Raw Coal Stockpile 1 reclaim feeder to Preparation Plant	1,~~500~~800	1.3	1996	PE	NA	055A	Clean/Raw Coal Stockpile reclaim feeder to Conveyor CB16	N
STOCKPILES										
029	Z01	**Clean/Raw Coal Stockpile 1** - Stockpile footprint is 13 acres with a storage capacity of approximately 900,000 tons.	NA	2.0	2000	MC	NA	028	CC/RC Stockpile 1 coal loadin from pan	MC
								030	CC/RC Stockpile 1 coal loadout to pan	MC
039	Z01	**Raw Coal Stockpile 1** - Stockpile footprint is 9.9 acres with a storage capacity of approximately 480,000 tons.	NA	1.0	1990	MC	NA	040	RC Stockpile 1 coal loadin from pan	MC
								041	RC Stockpile 1 coal loadout to pan	MC
								041A	Grading RC Stockpile 1	MC
042	Z01	**Raw Coal Stockpile 2** - Stockpile footprint is 3.3 acres with a storage capacity of approximately 90,000 tons.	NA	0.2	1990	MC	NA	043	RC Stockpile 2 coal loadin from pan	MC
								044	RC Stockpile 2 coal loadout to pan	MC
								044A	Grading RC Stockpile 2	MC

Source ID	Emission Point ID	Equipment Description	Maximum Design Capacity		Date of Construction, Reconstruction or Modification [1]	Fugitive Dust Control System/ Control Device [2]	Control Device ID	Associated Emission Points		
			TPH	TPY x 10^6				ID No.	Transfer Description	Fugitive Dust Control System/ Control Device [2]
THERMAL DRYER CIRCUIT										
033	Z01	**Conveyor CB11** - Belt from Preparation Plant to Conveyor CB13 in Thermal Dryer Transfer Building	650	4.2	2000	PE	NA	035A	Wet coal from Conveyor CB11 to Conveyor CB13 (feed to thermal dryer)	FE
								035B	Wet coal from Conveyor CB11 to Conveyor CB12 (by-pass of thermal dryer)	FE
036	Z01	**Conveyor CB13** - Belt from Conveyor CB11 in Thermal Dryer Transfer Building to Thermal Dryer	650	4.2	1984	PE	NA	036A	Wet coal from Conveyor CB13 to Thermal Dryer	FE
037C	P002	**Thermal Dryer** Manufacture: Heyl-Patterson Type: Fluidized Bed Dryer Furnace Manufacturer: Bigelow – Liptak with a single forced draft burner. Design BTU Rating: 115 x 10^6 Btu/hr. Max operation of 5,850 hours/year	650	4.2	1984	Cyclones (4 parallel cyclone collectors) Scrubber (Horizontal Venturi Scrubber)	Cyclones Scrubber	035C	Dried Coal from Thermal Dryer to Conveyor CB14	FE
038	Z01	**Conveyor CB14** - Belt from Thermal Dryer to Conveyor CB12 in Thermal Dryer Transfer Building	650	4.2	1984	PE	NA	035D	Dried coal from Conveyor CB14 to Conveyor CB12	FE
034	Z01	**Conveyor CB12** - Belt from Conveyor CB14 in Thermal Dryer Transfer Building to Preparation Plant	650	4.2	2000	PE	NA	034A	Conveyor CB12 to Conveyor CB6 within the Preparation Plant	PE
CLEAN COAL CIRCUIT										
010	Z01	**Conveyor CB4** - Belt from Preparation Plant to Clean Coal (CC) Silo 1 or Sample Conveyor CB19	1,500	4.18	2000	PE	NA	011	CC from Conveyor CB4 to Clean Coal Silo 1	FE
								STP1	CC from Conveyor CB4 to Conveyor CB19	PE
013	Z01	**Conveyor CB6** - Belt from Preparation Plant to Clean Coal (CC) Silo 2 or Sample Conveyor CB19	1,500	3.42	2000	PE	NA	014	CC from Conveyor CB6 to Clean Coal Silo 2	FE
								STP2	CC from Conveyor CB6 to Sample Conveyor CB19	PE
CB19	CB19	**Sample Conveyor CB19** - Sample Belt from Conveyor CB4 and CB6 (see below) to Sample Crusher CR1	5	0.0438	C 1989	PE	NA	STP3	CC from Sample Conveyor CB19 to Sample Crusher CR1	PE
CR1	CR1	**Sample Crusher CR1** - crushes CC from Sample Conveyor CB19	5	0.0438	C 1989	FE	NA	STP4	CC from Sample Crusher CR1 to Sample Conveyor CB20	FE
CB20	CB20	**Sample Conveyor CB20** - Sample Belt from Sample Crusher CR1 back to Conveyors CB4 or CB6	5	0.0438	C 1989	PE	NA	STP5	CC from Sample Conveyor CB20 back to Conveyor CB6	PE
								STP6	CC from Sample Conveyor CB20 back to Conveyor CB4	PE
012	Z01	**Clean Coal Silo 1** - (Capacity 14,000 t)	1,500	4.18	1970	FE	NA	012B	CC from CC silo 1 to Conveyor CB5	PE
012A	Z01	**Conveyor CB5** - CC Silo 1 reclaim conveyor	3,000	4.18	1970	FE	NA	017A	CC from Conveyor CB5 to Conveyor CB9 (see below) or Conveyor CB18	PE
CB18	CB18	**Conveyor CB18** - CC truck loadout conveyor	1,000	1.0	C 2011	PE	NA	TLTP1	CC from Conveyor CB18 to Conveyor CB18A	PE
CB18A	CB18A	**Conveyor CB18A** - CC truck loadout conveyor	1,000	1.0	C 2011	PE	NA	TLTP2	CC from Conveyor CB18A to Truck Loadout Bin TLB	PE
TLB	TLB	**Truck Loadout Bin TLB** #2 - 100 ton capacity	1,000	1.0	C 2011	FE	NA	TLTP3	CC from Truck Loadout Bin TLB #2 to trucks	MD

Source ID	Emission Point ID	Equipment Description	Maximum Design Capacity		Date of Construction, Reconstruction or Modification [1]	Fugitive Dust Control System/ Control Device [2,1]	Control Device ID	Associated Emission Points		
			TPH	TPY x 10^6				ID No.	Transfer Description	Fugitive Dust Control System/ Control Device [2]
015	Z01	**Clean Coal Silo 2 -** (Capacity 12,000 t)	1,500	3.42	1970	FE	NA	015A	CC from CC silo 2 to Conveyor CB8	FE
018	Z01	**Conveyor CB8 -** CC Silo 2 reclaim conveyor	3,000	3.42	1970	FE	NA	017B	CC from Conveyor CB8 and direct ship from Conveyor CB7 (see Raw Coal Circuit) to Conveyor 9	PE
046	Z01	**Conveyor CB9 -** Rail Loadout Feed Belt - from Conveyors CB5 and CB8 to Truck Loadout Bin TLB #1 or Conveyor CB19A	3,000	7.6	1970	PE	NA	019	CC from Conveyor CB9 to Truck Loadout Bin TLB #1	FE
								019A	CC from Conveyor CB9 to CB19A	FE
020	Z01	**Truck Loadout Bin TLB #1 -** (Capacity - 100 tons)	3,000	7.6	1970	FE	NA	045	Truck Loadout Bin TLB #1 to Trucks/Pan	PE
CB19A	Z01	**Conveyor CB19A – Batch Weigh Loadout Conveyor**	3,500	9.3	C 2014	PE	NA	019B	CC from Conveyor CB19A to Batch Weigh Loadout BWL	FE
BWL	Z01	**Batch Weigh Loadout BWL -** (Capacity – 220 tons)	3,500	9.3	C 2014	FE	NA	021	Batch Weigh Loadout BWL to Railcars	PE
REFUSE CIRCUIT										
022	Z01	**Conveyor CB10 -** Belt from Preparation Plant to Refuse Loadout Bin1	650	5.694	M 2011 C 2000	PE	NA	023	Refuse from Conveyor CB10 to Refuse Loadout Bin 1	PE
024	Z01	**Refuse Loadout Bin 1 -** (Capacity – 100 tons)	650	5.694	M 2011 C 1970	FE	NA	025	Refuse from Refuse Loadout Bin 1 to Refuse Vehicle	MC
								025A	Refuse from Refuse Loadout Bin 1 to Conveyor CB17	PE
056	Z01	**Conveyor CB17**- Belt from Refuse Loadout Bin 1to Refuse Loadout Bin2	650	5.694	2004	PE	NA	057	Refuse from Conveyor CB17 to Refuse Loadout Bin 2	PE
058	Z01	**Refuse Loadout Bin 2 -** (Capacity – 100 tons)	650	5.694	2004	FE	NA	059	Refuse from Refuse Loadout Bin 2 to Refuse Vehicle	MC
HAULROADS										
052A	Z01	**Haulroads-**Unpaved Roads - refuse vehicle to disposal area full.	NA	NA	2000	WT	NA	026	Transfer of coarse refuse from haul vehicle to disposal area	MC
								032A	Grading of Refuse Disposal Area	MC
052B	Z01	**Haulroads-**Unpaved Roads - refuse vehicle from disposal area empty.	NA	NA	2000	WT	NA			
052C	Z01	**Haulroads-**Unpaved Roads - Clean Coal to/from CC/RC Stockpile 1/ empty	NA	NA	2000	WT	NA			
052D	Z01	**Haulroads-**Unpaved Roads - Clean Coal to/from CC/RC Stockpile 1/ full	NA	NA	2000	WT	NA	028	CC/RC Stockpile 1 coal loadin from pan	MC
								030	CC/RC Stockpile 1 coal loadout to pan	MC
052	Z01	**Haulroads-**Unpaved Roads - Raw Coal to/from Raw Coal Stockpile #1 / empty	NA	NA	1990	WT	NA			
052F	Z01	**Haulroads-**Unpaved Roads - Raw Coal to/from Raw Coal Stockpile #1 / full	NA	NA	1990	WT	NA	040	RC Stockpile 1 coal loadin from pan	MC
								41	RC Stockpile 1 coal loadout to pan	MC
052G	Z01	**Haulroads-**Unpaved Roads - Raw Coal to/from Raw Coal Stockpile #2/ empty	NA	NA	1990	WT	NA			

Source ID	Emission Point ID	Equipment Description	Maximum Design Capacity		Date of Construction, Reconstruction or Modification [1]	Fugitive Dust Control System/ Control Device [2]	Control Device ID	Associated Emission Points		
			TPH	TPY x 10^6				ID No.	Transfer Description	Fugitive Dust Control System/ Control Device [2]
052H	Z01	**Haulroads**-Unpaved Roads - Raw Coal to/from Raw Coal Stockpile #2/ full	NA	NA	1990	WT	NA	043	RC Stockpile 2 coal loadin from pan	MC
								044	RC Stockpile 2 coal loadout to pan	MC
052I	Z01	**Haulroads**-Unpaved Roads - Empty trucks to truck loadout	NA	NA	1970	WT	NA			
052J	Z01	**Haulroads**-Unpaved Roads - Full trucks from truck loadout	NA	NA	1970	WT	NA	045	Truck Loadout Bin TLB #1 to Trucks/Pan	PE
052K	Z01	**Haulroads**-Unpaved Roads - Clean Coal to/from CC/RC Stockpile #1 / full	NA	NA	2000	WT	NA	28	CC/RC Stockpile 1 coal loading from pan	MC
								30	CC/RC Stockpile 1 coal loadout to pan	MC
052L	Z01	**Haulroads**-Unpaved Roads - Clean Coal to/from CC/RC Stockpile #1 / empty	NA	NA	2000	WT	NA			
052M	Z01	Haulroads - Unpaved Roads - Trucks transporting coal from Truck Loadout Bin TLB	1,000	1.0	C 2011	WT	NA	TLTP3	Transfer of clean coal to trucks for shipment off-site	MD
MISCELLANEOUS										
048	Z01	**Lime Storage Silo 1**	NA	NA	1970	NA	NA			
050	Z01	**Rock Dust Silo 1**	NA	NA	1970	NA	NA			
009B	Z01	**VOC emissions** from prep plant Froth Flotation Cell	NA	NA	2000	NA	NA			
009	P001	**VOC emissions** from prep plant Vacuum Filter	NA	NA	2000	NA	NA			
049	Z01	**VOC emissions** from water treatment Thickener	NA	NA	2000	NA	NA			
020	Z01	**VOC emissions** from rail cars anti-freeze spray	NA	NA	1970	NA	NA			
053A-M	Z01	**VOC working/breathing losses** from liquid chemical and petroleum storage tanks	NA	NA	1970	NA	NA			

[1] ~~In accordance with 40 CFR 60 Subpart Y: all emissions from thermal dryers constructed, re-constructed or modified on or before April 28, 2008 shall be less than 20% opacity; coal processing and conveying equipment, coal storage systems, and coal transfer and loading systems constructed, reconstructed, or modified on or before April 28, 2008 shall not discharge gases which exhibit 20 percent opacity or greater; and coal processing and conveying equipment, coal storage systems, and coal transfer and loading systems constructed, reconstructed, or modified after April 28, 2008 shall not discharge gases which exhibit 10 percent opacity or greater.~~

[2] Control Device abbreviations: FE - Full Enclosure; PE - Partial Enclosure; ST - Stacking Tube; WS - Water Sprays; WT - Water Truck; MC - Moisture Control; MD - Minimize Drop Height; N - None; NA - Not Applicable.

1.2. Active R13, R14, and R19 Permits

The underlying authority for any conditions from R13, R14, and/or R19 permits contained in this operating permit is cited using the original permit number (e.g. R13-1234). The current applicable version of such permit(s) is listed below.

Permit Number	Date of Issuance
R13-0718F	November 4, 2016

2.0 General Conditions

2.1. Definitions

2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.

2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.

2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45CSR§30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

2.1.4. Unless otherwise specified in a permit condition or underlying rule or regulation, all references to a "rolling yearly total" shall mean the sum of the monthly data, values or parameters being measured, monitored, or recorded, at any given time for the previous twelve (12) consecutive calendar months.

2.2. Acronyms

CAAA	Clean Air Act Amendments	**NSPS**	New Source Performance Standards
CBI	Confidential Business Information	**PM**	Particulate Matter
CEM	Continuous Emission Monitor	**PM_{10}**	Particulate Matter less than 10μm in diameter
CES	Certified Emission Statement	**pph**	Pounds per Hour
C.F.R. *or* CFR	Code of Federal Regulations	**ppm**	Parts per Million
CO	Carbon Monoxide	**PSD**	Prevention of Significant Deterioration
C.S.R. *or* CSR	Codes of State Rules	**psi**	Pounds per Square Inch
DAQ	Division of Air Quality	**SIC**	Standard Industrial Classification
DEP	Department of Environmental Protection	**SIP**	State Implementation Plan
FOIA	Freedom of Information Act	**SO_2**	Sulfur Dioxide
HAP	Hazardous Air Pollutant	**TAP**	Toxic Air Pollutant
HON	Hazardous Organic NESHAP	**TPY**	Tons per Year
HP	Horsepower	**TRS**	Total Reduced Sulfur
lbs/hr *or* lb/hr	Pounds per Hour	**TSP**	Total Suspended Particulate
LDAR	Leak Detection and Repair	**USEPA**	United States Environmental Protection Agency
m	Thousand	**UTM**	Universal Transverse Mercator
MACT	Maximum Achievable Control Technology	**VEE**	Visual Emissions Evaluation
mm	Million	**VOC**	Volatile Organic Compounds
mmBtu/hr	Million British Thermal Units per Hour		
$mmft^3$/hr *or* mmcf/hr	Million Cubic Feet Burned per Hour		
NA *or* N/A	Not Applicable		
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		
NO_x	Nitrogen Oxides		

2.3. Permit Expiration and Renewal

2.3.1. Permit duration. This permit is issued for a fixed term of five (5) years and shall expire on the date specified on the cover of this permit, except as provided in 45CSR§30-6.3.b. and 45CSR§30-6.3.c.
[45CSR§30-5.1.b.]

2.3.2. A permit renewal application is timely if it is submitted at least six (6) months prior to the date of permit expiration.
[45CSR§30-4.1.a.3.]

2.3.3. Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with 45CSR§30-6.2. and 45CSR§30-4.1.a.3.
[45CSR§30-6.3.b.]

2.3.4. If the Secretary fails to take final action to deny or approve a timely and complete permit application before the end of the term of the previous permit, the permit shall not expire until the renewal permit has been issued or denied, and any permit shield granted for the permit shall continue in effect during that time.
[45CSR§30-6.3.c.]

2.4. Permit Actions

2.4.1. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
[45CSR§30-5.1.f.3.]

2.5. Reopening for Cause

2.5.1. This permit shall be reopened and revised under any of the following circumstances:

a. Additional applicable requirements under the Clean Air Act or the Secretary's legislative rules become applicable to a major source with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 45CSR§§30-6.6.a.1.A. or B.

b. Additional requirements (including excess emissions requirements) become applicable to an affected source under Title IV of the Clean Air Act (Acid Deposition Control) or other legislative rules of the Secretary. Upon approval by U.S. EPA, excess emissions offset plans shall be incorporated into the permit.

c. The Secretary or U.S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

d. The Secretary or U.S. EPA determines that the permit must be revised or revoked and reissued to assure compliance with the applicable requirements.

[45CSR§30-6.6.a.]

2.6. Administrative Permit Amendments

2.6.1. The permittee may request an administrative permit amendment as defined in and according to the procedures specified in 45CSR§30-6.4.
[45CSR§30-6.4.]

2.7. Minor Permit Modifications

2.7.1. The permittee may request a minor permit modification as defined in and according to the procedures specified in 45CSR§30-6.5.a.
[45CSR§30-6.5.a.]

2.8. Significant Permit Modification

2.8.1. The permittee may request a significant permit modification, in accordance with 45CSR§30-6.5.b., for permit modifications that do not qualify for minor permit modifications or as administrative amendments.
[45CSR§30-6.5.b.]

2.9. Emissions Trading

2.9.1. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit and that are in accordance with all applicable requirements.
[45CSR§30-5.1.h.]

2.10. Off-Permit Changes

2.10.1. Except as provided below, a facility may make any change in its operations or emissions that is not addressed nor prohibited in its permit and which is not considered to be construction nor modification under any rule promulgated by the Secretary without obtaining an amendment or modification of its permit. Such changes shall be subject to the following requirements and restrictions:

a. The change must meet all applicable requirements and may not violate any existing permit term or condition.

b. The permittee must provide a written notice of the change to the Secretary and to U.S. EPA within two (2) business days following the date of the change. Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.

c. The change shall not qualify for the permit shield.

d. The permittee shall keep records describing all changes made at the source that result in emissions of regulated air pollutants, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e. No permittee may make any change subject to any requirement under Title IV of the Clean Air Act (Acid Deposition Control) pursuant to the provisions of 45CSR§30-5.9.

f. No permittee may make any changes which would require preconstruction review under any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) pursuant to the provisions of 45CSR§30-5.9.

[45CSR'30-5.9.]

2.11. Operational Flexibility

2.11.1. The permittee may make changes within the facility as provided by § 502(b)(10) of the Clean Air Act. Such operational flexibility shall be provided in the permit in conformance with the permit application and applicable requirements. No such changes shall be a modification under any rule or any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) promulgated by the Secretary in accordance with Title I of the Clean Air Act and the change shall not result in a level of emissions exceeding the emissions allowable under the permit.
[45CSR§30-5.8]

2.11.2. Before making a change under 45CSR§30-5.8., the permittee shall provide advance written notice to the Secretary and to U.S. EPA, describing the change to be made, the date on which the change will occur, any changes in emissions, and any permit terms and conditions that are affected. The permittee shall thereafter maintain a copy of the notice with the permit, and the Secretary shall place a copy with the permit in the public file. The written notice shall be provided to the Secretary and U.S. EPA at least seven (7) days prior to the date that the change is to be made, except that this period may be shortened or eliminated as necessary for a change that must be implemented more quickly to address unanticipated conditions posing a significant health, safety, or environmental hazard. If less than seven (7) days notice is provided because of a need to respond more quickly to such unanticipated conditions, the permittee shall provide notice to the Secretary and U.S. EPA as soon as possible after learning of the need to make the change.
[45CSR§30-5.8.a.]

2.11.3. The permit shield shall not apply to changes made under 45CSR§30-5.8., except those provided for in 45CSR§30-5.8.d. However, the protection of the permit shield will continue to apply to operations and emissions that are not affected by the change, provided that the permittee complies with the terms and conditions of the permit applicable to such operations and emissions. The permit shield may be reinstated for emissions and operations affected by the change:

a. If subsequent changes cause the facility's operations and emissions to revert to those authorized in the permit and the permittee resumes compliance with the terms and conditions of the permit, or

b. If the permittee obtains final approval of a significant modification to the permit to incorporate the change in the permit.

[45CSR§30-5.8.c.]

2.11.4. "Section 502(b)(10) changes" are changes that contravene an express permit term. Such changes do not include changes that would violate applicable requirements or contravene enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.
[45CSR§30-2.39]

2.12. Reasonably Anticipated Operating Scenarios

2.12.1. The following are terms and conditions for reasonably anticipated operating scenarios identified in this permit.

a. Contemporaneously with making a change from one operating scenario to another, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating and to document the change in reports submitted pursuant to the terms of this permit and 45CSR30.

b. The permit shield shall extend to all terms and conditions under each such operating scenario; and

c. The terms and conditions of each such alternative scenario shall meet all applicable requirements and the requirements of 45CSR30.

[45CSR§30-5.1.i.]

2.13. Duty to Comply

2.13.1. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
[45CSR§30-5.1.f.1.]

2.14. Inspection and Entry

2.14.1. The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:

a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

[45CSR§30-5.3.b.]

2.15. Schedule of Compliance

2.15.1. For sources subject to a compliance schedule, certified progress reports shall be submitted consistent with the applicable schedule of compliance set forth in this permit and 45CSR§30-4.3.h., but at least every six (6) months, and no greater than once a month, and shall include the following:

a. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

b. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measure adopted.

[45CSR§30-5.3.d.]

2.16. Need to Halt or Reduce Activity not a Defense

2.16.1. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.
[45CSR§30-5.1.f.2.]

2.17. Emergency

2.17.1. An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.
[45CSR§30-5.7.a.]

2.17.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of 45CSR§30-5.7.c. are met.
[45CSR§30-5.7.b.]

2.17.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;

b. The permitted facility was at the time being properly operated;

c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

d. Subject to the requirements of 45CSR§30-5.1.c.3.C.1, the permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice, report, and variance request fulfills the requirement of 45CSR§30-5.1.c.3.B. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

[45CSR§30-5.7.c.]

2.17.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
[45CSR§30-5.7.d.]

2.17.5. This provision is in addition to any emergency or upset provision contained in any applicable requirement.
[45CSR§30-5.7.e.]

2.18. Federally-Enforceable Requirements

2.18.1. All terms and conditions in this permit, including any provisions designed to limit a source's potential to emit and excepting those provisions that are specifically designated in the permit as "State-enforceable only", are enforceable by the Secretary, USEPA, and citizens under the Clean Air Act.
[45CSR§30-5.2.a.]

2.18.2. Those provisions specifically designated in the permit as “State-enforceable only” shall become “Federally-enforceable” requirements upon SIP approval by the USEPA.

2.19. Duty to Provide Information

2.19.1. The permittee shall furnish to the Secretary within a reasonable time any information the Secretary may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records required to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.
[45CSR§30-5.1.f.5.]

2.20. Duty to Supplement and Correct Information

2.20.1. Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.
[45CSR§30-4.2.]

2.21. Permit Shield

2.21.1. Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance provided that such applicable requirements are included and are specifically identified in this permit or the Secretary has determined that other requirements specifically identified are not applicable to the source and this permit includes such a determination or a concise summary thereof.
[45CSR§30-5.6.a.]

2.21.2. Nothing in this permit shall alter or affect the following:

a. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance; or

b. The applicable requirements of the Code of West Virginia and Title IV of the Clean Air Act (Acid Deposition Control), consistent with § 408 (a) of the Clean Air Act.

c. The authority of the Administrator of U.S. EPA to require information under § 114 of the Clean Air Act or to issue emergency orders under § 303 of the Clean Air Act.

[45CSR§30-5.6.c.]

2.22. Credible Evidence

2.22.1. Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee including but not limited to any challenge to the credible evidence rule in the context of any future proceeding.
[45CSR§30-5.3.e.3.B. and 45CSR38]

2.23. Severability

2.23.1. The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid by a court of competent jurisdiction, the remaining permit terms and conditions or their application to other circumstances shall remain in full force and effect.
[45CSR§30-5.1.e.]

2.24. Property Rights

2.24.1. This permit does not convey any property rights of any sort or any exclusive privilege.
[45CSR§30-5.1.f.4]

2.25. Acid Deposition Control

2.25.1. Emissions shall not exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act (Acid Deposition Control) or rules of the Secretary promulgated thereunder.

a. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid deposition control program, provided that such increases do not require a permit revision under any other applicable requirement.

b. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement.

c. Any such allowance shall be accounted for according to the procedures established in rules promulgated under Title IV of the Clean Air Act.

[45CSR§30-5.1.d.]

2.25.2. Where applicable requirements of the Clean Air Act are more stringent than any applicable requirement of regulations promulgated under Title IV of the Clean Air Act (Acid Deposition Control), both provisions shall be incorporated into the permit and shall be enforceable by the Secretary and U. S. EPA.
[45CSR§30-5.1.a.2.]

3.0 Facility-Wide Requirements

3.1. Limitations and Standards

3.1.1. **Open burning.** The open burning of refuse by any person is prohibited except as noted in 45CSR§6-3.1. **[45CSR§6-3.1.]**

3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause or allow any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible. **[45CSR§6-3.2.]**

3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them. **[40 C.F.R. §61.145(b) and 45CSR34]**

3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public. **[45CSR§4-3.1 State-Enforceable only.]**

3.1.5. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11. **[45CSR§11-5.2]**

3.1.6. **Emission inventory.** The permittee is responsible for submitting, on an annual basis, an emission inventory in accordance with the submittal requirements of the Division of Air Quality. **[W.Va. Code § 22-5-4(a)(14)]**

3.1.7. **Ozone-depleting substances.** For those facilities performing maintenance, service, repair or disposal of appliances, the permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 C.F.R. Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the prohibitions and required practices pursuant to 40 C.F.R. §§ 82.154 and 82.156.

b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 C.F.R. § 82.158.

c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 C.F.R. § 82.161.

[40 C.F.R. 82, Subpart F]

3.1.8. **Risk Management Plan.** Should this stationary source, as defined in 40 C.F.R. § 68.3, become subject to Part 68, then the owner or operator shall submit a risk management plan (RMP) by the date specified in 40 C.F.R. § 68.10 and shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 C.F.R. Part 70 or 71.
[40 C.F.R. 68]

3.1.9. No person shall cause, suffer, allow or permit a coal preparation plant or handling operation to operate that is not equipped with a fugitive dust control system. This system shall be operated and maintained in such a manner as to minimize the emission of particulate matter into the open air.
[45CSR§5-6.1] [45CSR13, R13-0718, 4.1.11]

3.1.10. The owner or operator of a coal preparation plant or handling operation shall maintain dust control of the premises and owned, leased, or controlled access roads by paving, or other suitable measures. Good operating practices shall be observed in relation to stockpiling, car loading, breaking, screening, and general maintenance to minimize dust generation and atmospheric entrainment.
[45CSR§5-6.2] [45CSR13, R13-0718, 4.1.12]

3.2. Monitoring Requirements

3.2.1. N/A

3.3. Testing Requirements

3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63, if applicable, in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable.

b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit.

c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the

Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.

d. The permittee shall submit a report of the results of the stack test within 60 days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:

1. The permit or rule evaluated, with the citation number and language.

2. The result of the test for each permit or rule condition.

3. A statement of compliance or non-compliance with each permit or rule condition.

[WV Code §§ 22-5-4(a)(14-15) and 45CSR13]

3.3.2. All tests to determine compliance with exhaust gas dust concentrations and particulate matter mass emission rates shall be conducted in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A provided that all compliance tests must consist of not less than three (3) test runs, test run duration shall not be less than sixty (60) minutes, and not less than thirty (30) standard cubic feet of exhaust gas must be sampled during each test run.
[45CSR§5-12.1.]

3.3.3. Method 5 shall be used to determine the particulate matter concentration. The sampling time and sample volume for each run shall be at least 60 minutes and 0.85 dscm (30 dscf). Sampling shall begin no less than 30 minutes after startup and shall terminate before shutdown procedures begin. **[40 C.F.R. § 60.254; 45CSR16]**

3.4. Recordkeeping Requirements

3.4.1. **Monitoring information.** The permittee shall keep records of monitoring information that include the following:

a. The date, place as defined in this permit and time of sampling or measurements;

b. The date(s) analyses were performed;

c. The company or entity that performed the analyses;

d. The analytical techniques or methods used;

e. The results of the analyses; and

f. The operating conditions existing at the time of sampling or measurement.

[45CSR§30-5.1.c.2.A.] [45CSR13, R13-0718, 4.4.1]

3.4.2. **Retention of records.** The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of monitoring sample, measurement, report, application, or record creation date. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Where appropriate, records may be maintained in computerized form in lieu of the above records.
[45CSR§30-5.1.c.2.B.]

3.4.3. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.
[45CSR§30-5.1.c. State-Enforceable only.] [45CSR13, R13-0718, 3.4.2]

3.5. Reporting Requirements

3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.
[45CSR§§30-4.4. *and* 5.1.c.3.D.]

3.5.2. A permittee may request confidential treatment for the submission of reporting required under 45CSR§30-5.1.c.3. pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
[45CSR§30-5.1.c.3.E.]

3.5.3. Except for the electronic submittal of the annual compliance certification and semi-annual monitoring reports to the DAQ and USEPA as required in 3.5.5 and 3.5.6 below, all notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class or by private carrier with postage prepaid to the address(es), or submitted in electronic format by e-mail as set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

DAQ:

Director
WVDEP
Division of Air Quality
601 57th Street SE
Charleston, WV 25304

US EPA:

Associate Director
Office of Air Enforcement and Compliance Assistance (3AP20)
U. S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

DAQ Compliance and Enforcement[1]:
DEPAirQualityReports@wv.gov

[1]For all self-monitoring reports (MACT, GACT, NSPS, etc.), stack tests and protocols, Notice of Compliance Status reports, Initial Notifications, etc.

3.5.4. **Certified emissions statement.** The permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. **[45CSR§30-8.]**

3.5.5. **Compliance certification.** The permittee shall certify compliance with the conditions of this permit on the forms provided by the DAQ. In addition to the annual compliance certification, the permittee may be required to submit certifications more frequently under an applicable requirement of this permit. The annual certification shall be submitted to the DAQ and USEPA on or before March 15 of each year, and shall certify compliance for the period ending December 31. The permittee shall maintain a copy of the certification on site for five (5) years from submittal of the certification. The annual certification shall be submitted in electronic format by e-mail to the following addresses:

DAQ:	**US EPA:**
DEPAirQualityReports@wv.gov	R3_APD_Permits@epa.gov

[45CSR§30-5.3.e.]

3.5.6. **Semi-annual monitoring reports.** The permittee shall submit reports of any required monitoring on or before September 15 for the reporting period January 1 to June 30 and on or before March 15 for the reporting period July 1 to December 31. All instances of deviation from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with 45CSR§30-4.4. The semi-annual monitoring reports shall be submitted in electronic format by e-mail to the following address:

DAQ:

DEPAirQualityReports@wv.gov

[45CSR§30-5.1.c.3.A.]

3.5.7. **Emergencies.** For reporting emergency situations, refer to Section 2.17 of this permit.

3.5.8. **Deviations.**

a. In addition to monitoring reports required by this permit, the permittee shall promptly submit supplemental reports and notices in accordance with the following:

1. Any deviation resulting from an emergency or upset condition, as defined in 45CSR§30-5.7., shall be reported by telephone or telefax within one (1) working day of the date on which the permittee becomes aware of the deviation, if the permittee desires to assert the affirmative defense in accordance with 45CSR§30-5.7. A written report of such deviation, which shall include the probable cause of such deviations, and any corrective actions or preventative measures taken, shall be submitted and certified by a responsible official within ten (10) days of the deviation.

2. Any deviation that poses an imminent and substantial danger to public health, safety, or the environment shall be reported to the Secretary immediately by telephone or telefax. A written report of such deviation, which shall include the probable cause of such deviation, and any corrective actions or preventative measures taken, shall be submitted by the responsible official within ten (10) days of the deviation.

3. Deviations for which more frequent reporting is required under this permit shall be reported on the more frequent basis.

4. All reports of deviations shall identify the probable cause of the deviation and any corrective actions or preventative measures taken.

[45CSR§30-5.1.c.3.C.]

b. The permittee shall, in the reporting of deviations from permit requirements, including those attributable to upset conditions as defined in this permit, report the probable cause of such deviations and any corrective actions or preventive measures taken in accordance with any rules of the Secretary. **[45CSR§30-5.1.c.3.B.]**

3.5.9. **New applicable requirements.** If any applicable requirement is promulgated during the term of this permit, the permittee will meet such requirements on a timely basis, or in accordance with a more detailed schedule if required by the applicable requirement. **[45CSR§30-4.3.h.1.B.]**

3.6. Compliance Plan

3.6.1. N/A

3.7. Permit Shield

3.7.1. The permittee is hereby granted a permit shield in accordance with 45CSR§30-5.6. The permit shield applies provided the permittee operates in accordance with the information contained within this permit.

3.7.2. The following requirements specifically identified are not applicable to the source based on the determinations set forth below. The permit shield shall apply to the following requirements provided the conditions of the determinations are met.

a. N/A

4.0 Preparation Plant, Refuse Disposal Area, Transfer Points, Thermal Dryer, Haulroads, Storage Silos [emission unit ID(s): 001A, 001B, 003, 005, 007, 007A, 008, 010, 012, 012A, 013, 015, 016, 018, 020, 022, 024, 029, 039, 042, 033, 034, 036, 037C, 038, 046-048, 050, 052, 052A, 052B, 052C, 052D, 052F, 052G, 052H, 052I, 052J, 052K, 052L, 052M, 055, 056, 058, CB18, CB18A, CB19, CB19A, CB20, CR1, TLB, BWL]

4.1. Limitations and Standards

4.1.1. The sulfur dioxide control system as described in Consolidation Coal Company's September 8, 1992 submission, involving the addition of caustic to the wet coal that feeds the fluidizing bed and the operation of a continuous emission monitoring system, shall be operated continuously when the thermal dryer is in operation.

[45CSR13, R13-0718, 4.1.4] [037C]

4.1.2. The emissions limit for SO_2 shall be set at
(a) 120.7 lbs/hr measured on the basis of a one-hour average
(b) 20.7 tons/month measured on the basis of actual emissions, and
(c) 249.4 tons/year.

[45CSR13, R13-0718, 4.1.5] [037C]

4.1.3. The thermal dryer will be operated no more than 5,850 hours per year.

[45CSR13, R13-0718, 4.1.6] [037C]

4.1.4. The following table sets forth the allowable hourly and annual limitations for total particulate matter, carbon monoxide, nitrogen dioxide, sulfur dioxide, and volatile organic compounds from the thermal dryer (037C) at emission point P002.

Pollutant	Hourly Emissions (lb/hr)	Annual Emissions (ton/year)
Total Particulate Matter (PM)	24.2	70.8
Carbon Monoxide (CO)	43.2	103
Nitrogen Dioxide (NO_X)	46.6	136
Sulfur Dioxide (SO_2)	120.7	249.4
Volatile Organic Compounds (VOC)	24.6	47.4

[45CSR13, R13-0718, 4.1.7] [037C]

4.1.5. Throughput of coal from conveyor belts CB3 and CB16 combined into the preparation plant shall not exceed 1,850 tons per hour or 10,000,000 tons per year in raw coal input.

[45CSR13, R13-0718, 4.1.8] [~~Preparation Plant~~008, 055]

4.1.6. ~~4.1.6.~~ The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive,

hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated. The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

The permittee shall properly install, operate and maintain designed winterization systems for all water trucks and/or water sprays in a manner that all such fugitive dust control systems remain functional during winter months and cold weather.

[45CSR13, R13-0718, 4.1.9] [052, 052A, 052B, 052C, 052D, 052F, 052G, 052H, 052I, 052J, 052K, 052L, 052M]

4.1.7. ~~4.1.7.~~ The permitted facility shall be constructed and operated in accordance with information filed in Permit Application R13-0718, R13-0718A, R13-0718B, R13-0718C, R13-0718D, R13-0718E, and R13-0718F and any amendments thereto. The Director may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-0718, 2.5.1.]

4.1.8. **Standards for Particulate Matter.** On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.

[40 C.F.R. § 60.254(a); 45CSR13, R13-0718, 4.1.20; 45CSR16] [001B, 001A, 003, 005, 007, 007A, 008, 010, 013, 033, 034, 036, 038, 047, 055, ~~056, 058,~~ CB19, CB20 & CR1]

4.1.9. **Standards for Particulate Matter.** On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the following requirements :

(1) Except as provided in paragraph (3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.
(2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf).
(3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (1) of this section.

[40 C.F.R. § 60.254(b); 45CSR13, R13-0718, 4.1.21; 45CSR16] [CB18, CB18A, CB19A, TLB, 022, 024, BWL]

4.1.10. The permittee shall not cause to be discharged into the atmosphere from any thermal dryer gases that:
(1) Contain particulate matter in excess of 0.070 g/dscm (0.031 gr/dscf).
(2) Exhibit 20 percent opacity or greater.

[40 C.F.R. § 60.252(a); 45CSR16; 45CSR~~§§~~5-~~3.1 &~~ 4.1.a; 45CSR13, R13-0718, 4.1.19] [037C]

4.1.11. No person shall cause, suffer, allow or permit emission of particulate matter into the open air from any fugitive dust control system which is twenty percent (20%) opacity or greater.

[45CSR§5-3.4; 45CSR13, R13-0718, 4.1.10] [001A, 001B, 003, 005, 007, 007A, 008, 010, 012, 012A, 013, 015, 016, 018, 046, 020, 022, 024, 033, 034, 036, 038, 046, 047, 048, 050, 055, 056, 058, CB18, CB18A, CB19, CB19A, CB20, CR1, BWL & TLB]

[Note: Compliance with section 4.1.9 shall show compliance with this section for emission units CB18, CB18A, CB19A, TLB, 022, 024, BWL]

4.1.12. In order to prevent and control air pollution from coal refuse disposal areas, the operation of coal refuse disposal areas shall be conducted in accordance with the standards established by the following**:**
[45CSR§5-7.1] [Refuse Disposal Area]

(a) Coal refuse is not to be deposited on any coal refuse disposal area unless the coal refuse is deposited in such a manner as to minimize the possibility of ignition of the coal refuse.
[45CSR§5-7.2] [Refuse Disposal Area]

(b) Coal refuse disposal areas shall not be so located with respect to mine openings, tipples, or other mine buildings, unprotected coal outcrops or steam lines, that these external factors will contribute to the ignition of the coal refuse on such coal refuse disposal areas.
[45CSR§5-7.3] [Refuse Disposal Area]

(c) Vegetation and combustible materials shall not be left on the ground at the site where a coal refuse pile is to be established, unless it is rendered inert before coal refuse is deposited on such site.
[45CSR§5-7.4] [Refuse Disposal Area]

(d) Coal refuse shall not be dumped or deposited on a coal refuse pile known to be burning, except for the purpose of controlling the fire or where the additional coal refuse will not tend to ignite or where such dumping will not result in statutory air pollution.
[45CSR§5-7.5] [Refuse Disposal Area]

(e) Materials with low ignition points used in the production or preparation of coal, including but not limited to wood, brattice cloth, waste paper, rags, oil and grease, shall not be deposited on any coal refuse disposal area or in such proximity as will reasonably contribute to the ignition of a coal refuse disposal area.
[45CSR§5-7.6] [Refuse Disposal Area]

(f) Garbage, trash, household refuse, and like materials shall not be deposited on or near any coal refuse disposal area.
[45CSR§5-7.7] [Refuse Disposal Area]

(g) The deliberate ignition of a coal refuse disposal area or the ignition of any materials on such an area by any person or persons is prohibited.
[45CSR§5-7.8] [Refuse Disposal Area]

(h) Each burning coal refuse disposal area which allegedly causes air pollution shall be investigated by the Director (in accordance with the following)
[45CSR§5-8.1] [Refuse Disposal Area]

(i) Each coal refuse disposal area which causes air pollution shall be considered on an individual basis by the Director. Consistent with the declaration of policy and purpose set forth in section one of Chapter twenty-two, article five of the code of West Virginia, as amended, as well as the established facts and circumstances of the particular case, the Director shall determine and may order after a proper hearing the effectuation of those air pollution control measures which are adequate for each such coal refuse disposal area.
[45CSR§5-8.2] [Refuse Disposal Area]

(j) With respect to all burning coal refuse disposal areas, the person responsible for such coal refuse disposal areas or the land on which such coal refuse disposal areas are located shall use due diligence to control air pollution from such coal refuse disposal areas. Consistent with the declaration of policy and purpose set forth in section one of chapter twenty-two, article five of the code of West Virginia, as amended, the Director shall determine what constitutes due diligence with respect to each such burning coal refuse disposal area. When a study of any burning coal refuse disposal area by the Director establishes that air pollution exists or may be created, the person responsible for such coal refuse disposal area or the land on which such coal refuse disposal area is located shall submit to the Director a report setting forth satisfactory methods and procedures to eliminate, prevent, or reduce such air pollution. The report shall be submitted within such time as the Director shall specify. The report for the elimination, prevention or reduction of air pollution shall contain sufficient information, including completion dates, to establish that such program can be executed with due diligence. If approved by the Director, the corrective measures and completion dates shall be embodied in a consent order issued pursuant to W.Va. Code **§§** 22-5-1 et seq. If such report is not submitted as requested or if the Director determines that the methods and procedures set forth in such report are not adequate to reasonably control such air pollution, then a hearing will be held pursuant to the procedures established by W.Va. Code **§** 22-5.
[45CSR§5-8.3] [Refuse Disposal Area]

4.1.13. No person shall circumvent 40 C.F.R § 60.252 or 45CSR5 by adding additional gas to any dryer exhaust or group of dryer exhausts for the purpose of reducing the grain loading.
[45CSR§5-4.2] [037C]

4.1.14. No person shall cause, suffer, allow or permit the exhaust gases from a thermal dryer to be vented into the open air at an altitude of less than eighty (80) feet above the foundation grade of the structure containing the dryer or less than ten (10) feet above the top of said structure or any adjacent structure, whichever is greater. In determining the desirable height of a plant stack, due consideration shall be given to the local topography, meteorology, the location of nearby dwellings and public roads, the stack emission rate and good engineering practice as set forth in 45CSR20. **[45CSR§5-4.3] [037C]**

4.1.15. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
[40 C.F.R § 60.11(d); 45CSR16~~; 45CSR13~~, R13-0718~~, 4.1.14 and~~ 4.1.18] [001B, 001A, 003, 005, 007, 007A, 008, 010, 013, 022, 024, 033, 034, 036, 037C, 038, 047, 055~~, 056, 058~~, CB18, CB18A, CB19, CB19A, CB20, CR1, TLB, BWL]

4.1.16. No person shall cause, suffer, allow, or permit the emission into open air from any source operation an in-stack sulfur dioxide concentration exceeding 2000 ppm by volume from existing source operations, except as provided in subdivisions of 45CSR§10-4.1.

[45CSR§10-4.1] [037C]

[Note: Compliance with SO_2 limit in Section 4.1.4 shall show compliance with this section]

4.1.17. No owner or operator subject to the provisions of this rule shall build, erect, install, modify or use any article, machine, equipment or process, the use of which purposely conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

[45CSR§10-11.1] [037C]

4.1.18. Compliance with all hourly and annual throughput limits shall be determined using a twelve month rolling total. A twelve month rolling total shall mean the sum of the amount of material received, processed, and/or shipped at any given time during the previous twelve (12) consecutive calendar months.

[45CSR13, R13-0718, 4.1.2]

4.1.19. The permittee shall not exceed the maximum hourly and annual throughput rates and other criteria outlined in the table in Section 1.0 Emission Units.

[45CSR13, R13-0718, 4.1.1]

4.1.20. No person shall construct, modify or relocate any coal preparation plant or coal handling operation without first obtaining a permit in accordance with the provisions of W. Va. Code §22-5-1 et seq. and the Director's rules for review and permitting of new or modified sources.

[45CSR§5-10.1. and 45CSR13, R13-0718, 4.1.13]

4.2. Monitoring Requirements

4.2.1. a. The Permittee shall install, calibrate, maintain, and continuously operate monitoring devices as follows. [Note: The continuous monitoring required by this section shall be performed in accordance with 40 C.F.R. 60, Subpart A]~~:~~:

1. ~~1.~~ A monitoring device for the measurement of the temperature of the gas stream at the exit of the thermal dryer on a continuous basis. The monitoring device is to be certified by the manufacturer to be accurate within ∀3º Fahrenheit.
[40 C.F.R § 60.256(a); 45CSR16; 40 C.F.R. §§64.6(c), 64.7(c) and 64.7(d)] [037C]

a) During normal operations, the temperature of the gas stream at the exit of the thermal dryer is maintained between 120 and 220 °F. A three-hour average temperature outside of this range shall be defined as an excursion. When an excursion occurs, the permittee shall conduct an inspection of the thermal dryer and corrective action shall be taken to return the temperature to an operating range of less than 220 °F and greater than 120 °F.

[40 C.F.R. § 64.6(c), 64.7(c) and 64.7(d)] [037C]

2. ~~2.~~ A monitoring device for the continuous measurement of the pressure loss through the venturi constriction of the control equipment. The monitoring device is to be certified by the manufacturer to be accurate within ∀1 inch water gauge.
[40 C.F.R § 60.256(a); 45CSR16; 40 C.F.R. §§64.6(c), 64.7(c) and 64.7(d)] [037C]

a) During normal operations, the pressure loss through the venturi constriction of the scrubber is maintained between 15~~26~~ and 50~~40~~ inches of H_2O. A three-hour average pressure loss outside of this range shall be defined as an excursion. When an excursion occurs, the permittee shall conduct an inspection of the venturi scrubber and corrective action shall be taken to return the pressure loss to within the required range to an operating range of greater than 15~~26~~ inches of H_2O and less than 50~~40~~ inches of H_2O.
[40 C.F.R. § 64.6(c), 64.7(c) and 64.7(d)] [037C]

3. ~~3.~~ A monitoring device for the continuous measurement of the water supply pressure to the control equipment. The monitoring device is to be certified by the manufacturer to be accurate within ∀5 percent of design water supply pressure. The pressure sensor or tap must be located close to the water discharge point.

a) During normal operations, the water pressure to the scrubber is maintained between 10~~14~~ and 35~~30~~ psi. A three-hour average water pressure outside of this range shall be defined as an excursion. When an excursion occurs, the permittee shall conduct an inspection of the venturi scrubber and corrective action shall be taken to return the water pressure to an operating range of greater than 10~~14~~ psi and less than 35~~30~~ psi.
[40 C.F.R. § 64.6(c), 64.7(c) and 64.7(d)] [037C]

4. ~~4.~~ A monitoring device for the continuous measurement of the water supply flow rate to the control equipment. The monitoring device is to be certified by the manufacturer to be accurate within ±5 percent of design water supply flow rate.

b) During normal operations, the water supply flow rate to the scrubber is maintained between 400~~640~~ and ~~1053~~1400 GPM. A three-hour average ~~S~~supply flow rate outside of this range shall be defined as an excursion. When an excursion occurs, the permittee shall conduct an inspection of the venturi scrubber and corrective action shall be taken to return the water supply flow rate to an operating range of greater than 400~~640~~GPM and less than 1400~~1053~~ GPM.
[40 C.F.R. § 64.6(c), 64.7(c) and 64.7(d)] [037C]

b. All monitoring devices under paragraph (a) of this section are to be recalibrated annually in accordance with procedures under 40 C.F.R § 60.13(b)

[40 C.F.R § 60.256(a); 45CSR16; 40 C.F.R. §§64.6(c), 64.7(c) and 64.7(d)] [037C]

4.2.2. For the purpose of determining compliance with the opacity limits of Sections 4.1.8~~, 4.1.9~~, 4.1.10 and 4.1.11 of this permit, the permittee shall conduct visible emissions checks and/or opacity monitoring for all emissions units subject to an opacity standard: ~~[Except for the following: stockpiles 029 (Clean/Raw Coal Stockpile 1), 039 (Raw Coal Stockpile 1) and 042 (Raw Coal Stockpile 2) which are exempt; or Conveyors CB10, CB18, CB18A, CB19A, Truck Loadout Bin TLB, Refuse Loadout Bin 1 (024); and batch weigh~~

~~loadout bin BWL, which are subject to the certification of compliance requirements in 40 CFR§60.255(b) found in Section 4.3.5 of this permit]:~~

a. ~~a.~~ An initial visible emissions evaluation in accordance with 40 CFR 60 Appendix A-4, Method 9 shall be performed within ninety (90) days of permit issuance for each emission unit with an ~~visible emissions~~opacity requirement in this permit unless such evaluation was performed within the consecutive 12-month period preceding permit issuance. This initial evaluation shall consist of three 6-minute averages during one consecutive 60 minute period. The initial evaluation shall be conducted at each emissions unit during the period of maximum expected visible emissions under normal unit and facility operations.

b. The permittee shall perform a visible emissions check on ~~b. E~~each emissions unit with ~~a visible emissions limit contained~~an opacity requirement in this permit ~~shall be observed visually~~ at least once each calendar week during periods of facility operation for a sufficient time interval to determine the presence or absence of visible emissions. ~~,~~ At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40 CFR Part 60, Appendix A-7, Method 22 or from the lecture portion of the 40 CFR Part 60, Appendix A-4, Method 9 certification course.

If visible emissions from any of the emissions units are observed during these weekly ~~observations~~checks, or at any other time, that appear to exceed 50 percent of the allowable ~~visible emission~~opacity requirement for the emission unit, a visible emissions evaluation~~s~~ in accordance with 40 CFR 60 Appendix A-4, Method 9 shall be conducted as soon as practicable, but no later than seventy-two (72) hours from the time of the observation. ~~-~~A Method 9 evaluation shall not be required if the visible emissions condition is corrected as expeditiously as possible [~~,~~ but no later than twenty-four (24) hours from the time of the ~~observation~~visible emissions check],~~;~~ the emissions unit is operating at normal operating conditions,~~;~~ and, the dates and times, causes and corrective measures taken are recorded.

~~c.~~ If ~~any a~~visible emissions Method 9 evaluation is required and it indicates ~~visible emissions~~opacity in excess of 50 percent of the allowable visible emissions requirement for a given emission unit, ~~a visible emissions~~subsequent evaluations in accordance with 40 CFR 60 Appendix A-4, Method 9 shall be performed for that unit at least once every consecutive 14-day period. If the subsequent visible emissions evaluations indicate visible emissions less than or equal to 50 percent of the allowable visible emissions requirement for the emission unit for 3 consecutive evaluation periods, the ~~emission unit~~permittee may ~~comply with the visible emissions testing requirements in Section 4.2.2.b. of this permit in lieu of those established in this condition~~revert to weekly checks for that emission unit.

~~d. A visual emissions evaluation shall be conducted on all process and control equipment at least once each calender month. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.~~

c. ~~e.~~ A visible emissions evaluation shall be conducted for each emission unit at least once every consecutive 12-month period in accordance with 40 CFR 60 Appendix A-4, Method 9. This annual evaluation shall consist of a minimum of 24 consecutive observations for each emission unit.

d. A record of each visible emissions observation shall be maintained, including any data required by 40 CFR 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[40 C.F.R § 60.11(b); 45CSR16; 45CSR13, R13-0718, 4.2.4. and 4.3.1] [001B, 001A, 003, 005, 007, 007A, 008, 010, 012, 012A, 013, 015, 016, 018, 020, 033, 034, 036~~, 037C~~, 038, 046, 047, 048 050, 055, 056, 058, CB19, CB20, CR1]

[Note: The following emission units are exempt from this requirement as they are subject to the certification requirements under 40 CFR Part 60, Subpart Y, as specified in Section 4.3.5: CB18, CB18A, CB19A, TLB, 022, 024, BWL]

4.2.3. The permittee shall inspect all fugitive dust control systems weekly to ensure that they are operated and maintained in conformance with their designs. The permittee shall maintain records of all scheduled and non-scheduled maintenance. Records shall be maintained on site stating any maintenance or corrective actions taken as a result of the weekly inspections, and the times the fugitive dust control system(s) are inoperable and any corrective actions taken.
[45CSR§30-5.1.c]

4.2.4. The permittee shall use Method 5 or an alternative method approved by the Director for testing particulate matter emissions in condition 4.1.4. ~~Parameter indicator ranges shall be established for the exit temperature of the thermal dryer, water pressure to the control equipment, and the pressure loss of the inlet airflow to the scrubber. The permittee shall establish these indicator ranges and operate within these ranges to provide a reasonable assurance that the thermal dryer unit is in compliance with opacity and particulate loading limits. The permittee shall take immediate corrective action when a parameter falls outside the indicator range established for that parameter and shall record the cause and corrective measures taken.~~ The permittee shall ~~also~~ record the following parameters during such testing:

a. Opacity readings on the exhaust stack following the procedures of Method 9;
b. Amount of coal burned and the amount of coal dried;
c. Coal drying temperature and residence time in the dryer;
d. Temperature of the gas stream at the exit of the thermal dryer;
e. Flow rate through the dryer and converted to dry standard cubic feet;
f. Water pressure to the control equipment;
g. Water supply flow rate to the control equipment; and
h~~g~~. Pressure loss of the inlet airflow to the scrubber. The pressure drop will be measured between the inlet airflow to the scrubber and outlet airflow of the scrubber, which is atmospheric loss through the venturi constriction of the control equipment.

These records shall be maintained on site.

Note: In the last stack testing performed on 08~~9~~/29~~16~~/17~~14~~, PM emission rate was 60~~55~~.7% of particulate loading limit in Section 4.1.4. The next stack testing for PM has to be performed on or before 08~~9~~/29~~16~~/20~~17~~.

Subsequent testing to determine compliance with the particulate loading limitations of 4.1.10 and 4.1.4 shall be conducted in accordance with the schedule set forth in the following table:

Test	Test Results	Testing Frequency
Annual	If annual testing is required, after two successive tests indicate mass emission rates between 50% and 90 % of particulate loading limit	Once/3 years

Test	Test Results	Testing Frequency
Annual	If annual testing is required, after three successive tests indicate mass emission rates ≤50% of particulate loading limit	Once/5 years
Once/3 years	If testing is required once/3 years, after two successive tests indicate mass emission rates ≤50% of particulate loading limit	Once/5 years
Once/3 years	If testing is required once/3 years and any test indicates a mass emission rate ≥90% of particulate loading limit	Annual
Once/5 years	If testing is required once /5 years and any test indicates mass emission rates between 50% and 90 % of particulate loading limit	Once/3 years
Once/5 years	If testing is required once/5 years and any test indicates a mass emission rate ≥90% of particulate loading limit	Annual

[45CSR§30-5.1.c] [037C]

Any stack venting thermal dryer exhaust gases shall include straight runs of sufficient length to establish flow patterns consistent with acceptable stack sampling procedures. Flow straightening devices shall be required where cyclonic gas flow would exist in the absence of such devices.
[45CSR§5-12.6] [037C]

~~4.2.5. The permittee shall conduct monitoring/recordkeeping/reporting for the thermal dryer as follows:~~

~~a. A visible emissions evaluation shall be conducted for the thermal dryer unit(s) at least once every consecutive 12-month period in accordance with 40 C.F.R. 60 Appendix A, Method 9. This annual evaluation shall consist of a minimum of 24 consecutive observations for the thermal dryer unit(s).~~

~~b. The thermal dryer unit(s) included in this permit shall be observed visually on a daily basis during periods of facility operation for a sufficient time interval to determine if the unit has any visible emissions using 40 C.F.R. 60 Appendix A, Method 22. If visible emissions from the thermal dryer unit(s) are observed during these daily observations, or at any other time, that appear to exceed 50 percent of the allowable visible emission requirement for the thermal dryer unit(s), visible emissions evaluations in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be conducted as soon as practicable, but no later than fourteen (14) days from the time of the observation. A Method 9 evaluation shall not be required if the visible emissions condition is corrected in a timely manner; the thermal dryer unit(s) is operating at normal operating conditions; and, the cause and corrective measures taken are recorded.~~

~~c. If any subsequent visible emissions evaluation indicates visible emissions in excess of 50 percent of the allowable visible emissions requirement for a thermal dryer unit, a visible emissions evaluation shall be performed for that unit at least once every consecutive seven (7) day period in accordance with 40 C.F.R. 60 Appendix A, Method 9. If subsequent visible emissions evaluations indicate visible emissions less than or equal to 50 percent of the allowable visible emissions requirement for the thermal dryer unit for 3 consecutive evaluation periods, the thermal dryer may comply with the visible emissions testing requirements of Condition 4.2.5.b in lieu of those established in this condition.~~

~~d. A record of each visible emissions observation shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at~~

~~a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer. Records shall be maintained on site stating any maintenance or corrective actions taken as a result of the daily inspections. If any visible emissions evaluation performed in accordance with 40C.F.R.60 Appendix A, Method 9 indicates a visible emissions observation of twenty percent (20%) or greater, the minimum total time of the observations for that emission unit shall be sixty (60) minutes. This section shall not apply if any visible emissions observation is sixty percent (60%) or greater.~~

~~e. The thermal dryer unit(s) included in this permit shall be observed visually during periods of building a fire of operating quality and minimization efforts shall be taken to ensure particulate matter emissions of sixty percent (60 %) opacity for a period of up to 8 minutes in any operating day is not exceeded during such activities.~~

~~**[45CSR§30-5.1.c] [037C]**~~

~~4.2.6.~~4.2.5. The continuous emissions monitoring system on the thermal dryer exhaust stack shall measure sulfur dioxide concentrations which meets performance specifications set forth under Title 40, Part 60, Appendix B Performance Specification 2 – Specifications and Test Procedures for SO2 and NOx Continuous Emission Monitoring Systems in stationary sources of the Code of Federal Regulations. In addition, the Permittee shall conduct required reference method testing and calibration drift tests, including submission of certified quarterly reports showing conformance with the aforementioned Performance Specifications no later than sixty (60) days following installation of such CEM system and commencing operations of the subject thermal dryer. Such system shall also include a device which monitors stack gas flow rate and a data reduction system to convert stack gas concentrations into lbm/hr values and to provide cumulative monthly emission rates in tons. The output from the CEM system shall be used to vary the caustic addition rate of the sulfur dioxide removal system so that sulfur dioxide emissions shall be controlled below the limitations contained in Condition 4.1.4.
[45CSR§30-5.1.c] [037C]

The installation, operation and maintenance of a continuous monitoring system meeting the requirements of 40 CFR 60, Appendix B, Performance Specification 2 (PS2) shall be deemed to fulfill the requirements of a monitoring plan for a fuel burning unit(s), manufacturing process source(s) or combustion source(s).
[45CSR§10-8.2.c.1] [037C]

~~4.2.7.~~4.2.6. The permittee shall use EPA approved method or an alternative method approved by the Director for testing NOx, CO and VOC's to show compliance with Section 4.1.4. The permittee shall establish indicator ranges and operate within these ranges to provide a reasonable assurance that the thermal dryer unit is in compliance with NOx, CO and VOC limits. The permittee shall take immediate corrective action when a parameter falls outside the indicator range established for that parameter and shall record the cause and corrective measures taken.

These records shall be maintained on site.

Note: In the last stack testing performed for NOx on 08~~11~~/29~~10~~/17~~6~~, the NOx emission rate was 85.8~~91~~% of the limit in Section 4.1.4. In the last stack testing performed for CO on 11/12/2015, the CO emission rate was 85% of the limit in Section 4.1.4. In the last stack testing performed for VOC on 10~~8~~/12~~9~~/2017~~2~~, the VOC emission rate was 9.3~~37~~% of limit in Section 4.1.4. The next stack testing must be performed on or before 08~~11~~/29~~10~~/2020~~17~~ for NOx, 11/12/2018 for CO, and 10~~8~~/12~~9~~/2022~~17~~ for VOC.

Subsequent testing to determine compliance with the NOx, CO and VOC limits of 4.1.4 shall be conducted in accordance with the schedule set forth in the following table:

Test	Test Results	Testing Frequency
Annual	If annual testing is required, after two successive tests indicate mass emission rates between 50% and 90 % of NOx, CO and VOC limits	Once/3 years
Annual	If annual testing is required, after three successive tests indicate mass emission rates ≤50% of NOx, CO and VOC limits	Once/5 years
Once/3 years	If testing is required once/3 years, after two successive tests indicate mass emission rates ≤50% of NOx, CO and VOC limits	Once/5 years
Once/3 years	If testing is required once/3 years and any test indicates a mass emission rate ≥90% of NOx, CO and VOC limits	Annual
Once/5 years	If testing is required once /5 years and any test indicates mass emission rates between 50% and 90 % of NOx, CO and VOC limits	Once/3 years
Once/5 years	If testing is required once/5 years and any test indicates a mass emission rate ≥90% of NOx, CO and VOC limits	Annual

[45CSR§30-5.1.c] [037C]

~~4.2.8.~~4.2.7. ~~4.2.8.~~ The owner or operator of a continuous emissions monitoring system installed pursuant to 45CSR10 shall follow the quality assurance requirements as set forth in 40 CFR Part 60, Appendix F. **[45CSR§10-8.2.c.1.A] [037C]**

~~4.2.9. **Continuous Monitoring Requirements for Thermal Dryer.** The owner or operator of each affected facility constructed, reconstructed, or modified on or before April 28, 2008, must meet the following monitoring requirements, as applicable to the affected facility:~~

~~a. The owner or operator of any thermal dryer shall install, calibrate, maintain, and continuously operate monitoring devices as follows:~~

~~1. A monitoring device for the measurement of the temperature of the gas stream at the exit of the thermal dryer on a continuous basis. The monitoring device is to be certified by the manufacturer to be accurate within ±1.7 °C (±3 °F).~~

~~2. For affected facilities that use wet scrubber emission control equipment:~~

~~i. A monitoring device for the continuous measurement of the pressure loss through the venturi constriction of the control equipment. The monitoring device is to be certified by the manufacturer to be accurate within ±1 inch water gauge.~~

~~ii. A monitoring device for the continuous measurement of the water supply pressure to the control equipment. The monitoring device is to be certified by the manufacturer to be accurate within ±5 percent of design water supply pressure. The pressure sensor or tap must be located close to the water discharge point. The Administrator shall have discretion to grant requests for approval of alternative monitoring locations.~~

~~b. All monitoring devices under this section are to be recalibrated annually in accordance with procedures under §60.13(b).~~

~~[40CFR§60.256(a); 45CSR16; 45CSR§5-9.1; 45CSR13, R13-0718, 4.2.5; 40 C.F.R. §64.6(c)] [037C]~~

~~4.2.9.~~4.2.8. Reserved.

~~4.2.10.~~4.2.9. Reserved.

~~4.2.11.~~4.2.10. (Note: The following section numbers match those of 40 C.F.R. §64.7)

(b) *Proper maintenance.* At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(c) *Continued operation.* Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(d) *Response to excursions or exceedances.* (1) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(2) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(e) *Documentation of need for improved monitoring.* After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[40CFR§64.7] [037C]

~~4.2.12.~~4.2.11. (Note: The following section numbers match those of 40 C.F.R. §64.8)

§ 64.8 Quality improvement plan (QIP) requirements.

(a) Based on the results of a determination made under § 64.7(d)(2), the Administrator or the permitting authority may require the owner or operator to develop and implement a QIP. Consistent with § 64.6(c)(3), the part 70 or 71 permit may specify an appropriate threshold, such as an accumulation of exceedances or excursions exceeding 5 percent duration of a pollutant-specific emissions unit's operating time for a reporting period, for requiring the implementation of a QIP. The threshold may be set at a higher or lower percent or may rely on other criteria for purposes of indicating whether a pollutant-specific emissions unit is being maintained and operated in a manner consistent with good air pollution control practices.

(b) Elements of a QIP:

(1) The owner or operator shall maintain a written QIP, if required, and have it available for inspection.

(2) The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate:

(i) Improved preventive maintenance practices.

(ii) Process operation changes.

(iii) Appropriate improvements to control methods.

(iv) Other steps appropriate to correct control performance.

(v) More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (b)(2)(i) through (iv) of this section).

(c) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the permitting authority if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(d) Following implementation of a QIP, upon any subsequent determination pursuant to § 64.7(d)(2) the Administrator or the permitting authority may require that an owner or operator make reasonable changes to the QIP if the QIP is found to have:

(1) Failed to address the cause of the control device performance problems; or

(2) Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(e) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping

requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.

[40CFR§64.8] [037C]

4.3. Testing Requirements

4.3.1. The following test methods shall be utilized for Sections 4.2.4 and 4.2.7 unless otherwise approved by the Director:

a.	Carbon Monoxide	EPA Method 10
b.	Nitrogen Oxides	EPA Method 7
c.	Volatile Organic Compounds	EPA Method 25
d.	Particulate Matter	EPA Method 5

[45CSR§30-5.1.c] [037C]

4.3.2. Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, or at such other times specified by this part, the owner or operator of such facility shall conduct performance test(s) and furnish a written report of the results of such performance test(s).
[40CFR§60.8(a); 45CSR16; 45CSR13, R13-0718, 4.3.2]

4.3.3. Reserved.

4.3.4. **Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests.** An owner or operator of each affected facility that commenced construction, reconstruction, or modification on or before April 28, 2008, must conduct performance tests required by 40CFR§60.8 to demonstrate compliance with the applicable emission standards using the methods identified in 40CFR§60.257.
[40CFR§60.255(a); 45CSR16; 45CSR13, R13-0718, 4.3.3.]

4.3.5. **Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests.** An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008 **[CB18, CB18A, CB19A, TLB, 022, 024, BWL]** ~~[Belt Conveyors CB18, Belt Conveyor CB18A, Truck Loadout Bin TLB, Belt Conveyor CB10 (022), Refuse Loadout Bin 1 (024), Belt Conveyor CB19A and Batch Weigh Loadout Bin BWL]~~, must conduct performance tests according to the requirements of 40CFR§60.8 and the methods identified in 40CFR§60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in the following paragraphs:

a. For each affected facility subject to a PM, SO_2, or combined NO_X and CO emissions standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according the following requirements, as applicable:

1. If the results of the most recent performance test demonstrate that emissions from the affected facility are greater than 50 percent of the applicable emissions standard, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

2. If the results of the most recent performance test demonstrate that emissions from the affected facility are 50 percent or less of the applicable emissions standard, a new performance test must be conducted within 24 calendar months of the date that the previous performance test was required to be completed.

3. An owner or operator of an affected facility that has not operated for the 60 calendar days prior to

the due date of a performance test is not required to perform the subsequent performance test until 30 calendar days after the next operating day.

b. For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the following requirements in, as applicable, except as provided for in paragraphs 40CFR§§60.255(e) and (f). Performance test and other compliance requirements for coal truck dump operations are specified in 40CFR§60.255(h).

1. Any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

2. If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b); 45CSR16; 45CSR13, R13-0718, 4.3.4.]

4.3.6. **Performance Tests and Other Compliance Requirements for Subpart Y.** If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems), coal storage systems, or other coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.
[40CFR§60.255(c); 45CSR16; 45CSR13, R13-0718, 4.3.5.]

4.3.7. Reserved.

4.3.8. Reserved.

4.3.9. **Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System.** As an alternative to meeting the requirements in condition 4.3.5, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the following requirements:

a. Monitor visible emissions from each affected facility according to the following requirements:

1. Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

2. Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

3. Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

b. Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital

image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, *see* OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f); 45CSR16; 45CSR13, R13-0718, 4.3.6.]

4.3.10. **Performance Tests and Other Compliance Requirements for Subpart Y - COMS.** As an alternative to meeting the requirements in condition 4.3.5, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, subject to a visible emissions standard under this subpart may install, operate, and maintain a continuous opacity monitoring system (COMS). Each COMS used to comply with provisions of this subpart must be installed, calibrated, maintained, and continuously operated according to the requirements in 40CFR§§60.255(g)(1) and (2).
[40CFR§60.255(g); 45CSR16; 45CSR13, R13-0718, 4.3.7.]

4.3.11. **Coal Truck Dump Operations.** The owner or operator of each affected coal truck dump operation that commenced construction, reconstruction, or modification after April 28, 2008, must meet the following requirements:

a. Conduct an initial performance test using Method 9 of Appendix A–4 of 40CFR60 according to the following requirements:

1. Opacity readings shall be taken during the duration of three separate truck dump events. Each truck dump event commences when the truck bed begins to elevate and concludes when the truck bed returns to a horizontal position.

2. Compliance with the applicable opacity limit is determined by averaging all 15-second opacity readings made during the duration of three separate truck dump events.

b. Conduct monthly visual observations of all process and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

c. Conduct a performance test using Method 9 of Appendix A–4 of 40CFR60 at least once every 5 calendar years for each affected facility.

[40CFR§60.255(h); 45CSR16; 45CSR13, R13-0718, 4.3.8.]

4.3.12. **Test Methods and Procedures for Subpart Y.** The owner or operator must determine compliance with the applicable opacity standards as specified in the following paragraphs:

a. Method 9 of Appendix A-4 of 40CFR60 and the procedures in 40CFR§60.11 must be used to determine opacity, with the following exceptions:

1. The duration of the Method 9 of Appendix A-4 of this 40CFR60 performance test shall be 1 hour (ten 6-minute averages).

2. If, during the initial 30 minutes of the observation of a Method 9 of Appendix A-4 of 40CFR60 performance test, all of the 6-minute average opacity readings are less than or equal to half the

applicable opacity limit, then the observation period may be reduced from 1 hour to 30 minutes.

b. To determine opacity for fugitive coal dust emissions sources, the following additional requirements must be used:

1. The minimum distance between the observer and the emission source shall be 5.0 meters (16 feet), and the sun shall be oriented in the 140-degree sector of the back.

2. The observer shall select a position that minimizes interference from other fugitive coal dust emissions sources and make observations such that the line of vision is approximately perpendicular to the plume and wind direction.

3. The observer shall make opacity observations at the point of greatest opacity in that portion of the plume where condensed water vapor is not present. Water vapor is not considered a visible emission.

c. A visible emissions observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

1. No more than three emissions points may be read concurrently.

2. All three emissions points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.

3. If an opacity reading for any one of the three emissions points is within 5 percent opacity from the applicable standard (excluding readings of zero opacity), then the observer must stop taking readings for the other two points and continue reading just that single point.

[40CFR§60.257(a); 45CSR16; 45CSR13, R13-0718, 4.3.9.]

4.3.13. **Test Methods and Procedures for Subpart Y.** The owner or operator must conduct all performance tests required by 40CFR§60.8 to demonstrate compliance with the applicable emissions standards specified in 40CFR§60.252 according to the requirements in 40CFR§60.8 using the applicable test methods and procedures in 40CFR§§60.257(b)(1) through (8).
[40CFR§60.257(b); 45CSR16; 45CSR13, R13-0718, 4.3.10.]

4.4. Recordkeeping Requirements

4.4.1. The applicant shall maintain on-site records of hourly operation of the thermal dryer–utilizing the form identified as Appendix A, to the Director showing
(a) cumulative yearly hours of operation of the dryer
(b) cumulative monthly emission rates for SO_2, and
(c) identifying all hours in which an allowable SO_2 emission rate was exceeded.
[45CSR13, R13-0718, 4.2.1] [037C]

4.4.2. For the purpose of determining compliance with the maximum throughput limits set forth under Condition 4.1.5, the permittee shall maintain certified monthly and annual records of the amount of raw coal transferred to the preparation plant on conveyor belts CB3 and CB16 combined and the hours operated, utilizing the form identified as Appendix B.
[45CSR13, R13-0718, 4.2.2]

4.4.3. For the purpose of determining compliance with water truck usage set forth in 4.1.6, the permittee shall monitor water truck activity and maintain certified daily records, utilizing the form identified as Appendix C.
[45CSR13, R13-0718, 4.2.3]

4.4.4. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[45CSR13, R13-0718, 4.4.2]

4.4.5. For all air pollution control equipment, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

a. The equipment involved;
b. Steps taken to minimize emissions during the event;
c. The duration of the event;
d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

e. The cause of the malfunction;
f. Steps taken to correct the malfunction;
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-0718, 4.4.3]

4.4.6. The permittee shall maintain records of all monitoring data required by Section 4.2.2 of this permit by documenting the date and time of each visible emission check, the emission point or equipment/source identification number, the name or means of identification of the observer, the results of the check(s), whether the visible emissions are normal for the process, and, if applicable, all corrective measures taken or planned. The permittee shall also record the general weather conditions (i.e. sunny, approximately 80°F, 6 - 10 mph NE wind) during the visual emission check(s). An example form is supplied as Appendix D. Should a visible emission observation be required to be performed per the requirements specified in Method 9, the data records of each observation shall be maintained per the requirements of Method 9. For an emission unit out of service during the normal monthly evaluation, the record of observation may note "out of service" (O/S) or equivalent.
[45CSR13, R13-0718, 4.4.4]

4.4.7. Any and all records, such as throughput, hours of operation of the thermal dryer, SO_2 data, etc., shall be completed, certified and kept on site for a period of no less than five (5) years. Such records shall be made available to the Director or his or her duly authorized representative upon request.
[45CSR13, R13-0718, 4.1.3]

4.4.8. The temperature of the gas stream at the exit of the thermal dryer shall be continuously recorded on a chart recorder. Records shall be maintained in accordance with 3.4.1. In addition to records of the gas stream temperature, the permittee shall document and maintain records of all periods when the temperature falls outside the range specified in 4.2.1.a.1 and any corrective actions taken during these periods. Maintenance and malfunction records for the thermal dryer and venturi scrubber shall be maintained in accordance with 4.4.4 and 4.4.5.
[037C] [45CSR§30-5.1.c; 40 C.F.R. §64.9(b)]

~~4.4.9. The pressure loss through the venturi constriction of the scrubber shall be continuously recorded on a chart recorder. Records shall be maintained in accordance with 3.4.1. In addition to records of the pressure loss, the permittee shall document and maintain records of all periods when the pressure loss through the venturi constriction of the scrubber falls outside the range specified in 4.2.1.a.2 and any corrective actions taken during these periods. Maintenance and malfunction records for the venturi scrubber shall be maintained in accordance with 4.4.4 and 4.4.5.~~
~~**[037C] [45CSR§30-5.1.c; 40 C.F.R. §64.9(b)]**~~

~~4.4.10. The water supply pressure to the scrubber shall be continuously recorded on a chart recorder. Records shall be maintained in accordance with 3.4.1. In addition to records of the water supply pressure to the scrubber, the permittee shall document and maintain records of all periods when the water supply pressure falls outside the range specified in 4.2.1.a.3 and any corrective actions taken during these periods. Maintenance and malfunction records for the venturi scrubber shall be maintained in accordance with 4.4.4 and 4.4.5.~~
~~**[037C] [45CSR§30-5.1.c; 40 C.F.R. §64.9(b)]**~~

~~4.4.11. The water flow rate to the scrubber shall be continuously recorded on a chart recorder. Records shall be maintained in accordance with 3.4.1. In addition to records of the water flow rate to the scrubber, the permittee shall document and maintain records of all periods when the water flow rate falls outside the range specified in 4.2.1.a.4 and any corrective actions taken during these periods. Maintenance and malfunction records for the venturi scrubber shall be maintained in accordance with 4.4.4 and 4.4.5.~~
~~**[037C] [45CSR§30-5.1.c; 40 C.F.R. §64.9(b)]**~~

~~4.4.12.~~4.4.9. For Compliance Assurance Monitoring (CAM), the owner or operator shall comply with the recordkeeping requirements of permit conditions 3.4.1 and 3.4.2. The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 C.F.R. §64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 C.F.R. 64 (such as data used to document the adequacy of monitoring, or records of monitoring, maintenance, or corrective actions).
[037C] [45CSR§30-5.1.c; 40 C.F.R. §64.9(b)]

4.5. Reporting Requirements

4.5.1. Any violation(s) of the allowable visible emission requirement for any emission source discovered during observations using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.
[45CSR13, R13-0718, 4.5.1]

4.5.2. 45CSR§10A-7.2. Exception Reporting.

7.2.a. CEMS. -- Each owner or operator employing CEMS for an approved monitoring plan, shall submit a “CEMS Summary Report” and/or a “CEMS Excursion and Monitoring System Performance Report” to the Secretary quarterly; the Secretary may, on a case-by-case basis, require more frequent reporting if the Secretary deems it necessary to accurately assess the compliance status of the source. All reports shall be postmarked no later than forty-five (45) days following the end of each calendar quarter. The CEMS Summary Report shall contain the information and be in the format shown in Appendix A unless otherwise specified by the Secretary.

7.2.a.1. Submittal of 40 CFR Part 75 data in electronic data reporting (EDR) format to the Secretary shall be deemed to satisfy the requirements of subdivision 7.2.a.

7.2.a.2. If the total duration of excursions for the reporting period is less than four percent (4%) of the total source operating time for the reporting period and the total monitoring method downtime for the reporting period is less than five percent (5%) of the total source operating time for the reporting period, only the CEMS Summary Report shall be submitted; the CEMS Excursion and Monitoring System Performance report shall be maintained on-site and shall be submitted to the Secretary upon request.

7.2.a.3. If the total duration of excursions for the reporting period is four percent (4%) or greater of the total operating time for the reporting period or the total monitoring method downtime for the reporting period is five percent (5%) or greater of the total operating time for the reporting period, the CEMS Summary Report and the CEMS Excursion and Monitoring System Performance Report shall both be submitted to the Secretary.

7.2.a.4. The CEMS Excursion and Monitoring System Performance Report shall be in a format approved by the Secretary and shall include the following information:

7.2.a.4.A. The magnitude of each excursion, and the date and time, including starting and ending times, of each excursion;

7.2.a.4.B. Specific identification of each excursion that occurs during start-ups, shutdowns, and malfunctions of the facility;

7.2.a.4.C. The nature and cause of any malfunction (if known), and the corrective action taken and preventive measures adopted;

7.2.a.4.D. The date and time identifying each period during which quality- controlled monitoring data was unavailable, except for zero and span checks, and the reason for data unavailability and the nature of the repairs or adjustments to the monitoring system; and

7.2.a.4.E. When no excursions have occurred or there were no periods of quality-controlled data unavailability, and no monitoring systems were inoperative, repaired, or adjusted, such information shall be stated in the report.

[037C] [45CSR§10A-7.2]

4.5.3. Any violation(s) of the allowable SO_2 requirements in Section 4.1.2 of this permit and recorded in Appendix A must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the testing, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.
[45CSR13, R13-0718, 4.5.2]

4.5.4. With regard to any testing required by the Director, the permittee shall submit to the Director of Air Quality and US EPA (refer to section 3.5.3 for address) a test protocol detailing the proposed test methods, the date, and the time the proposed testing is to take place, as well as identifying the sampling locations and other relevant information. The test protocol must be received by the Director and the Associate Director no less than thirty (30) days prior to the date the testing is to take place. Test results shall be submitted to the Director and the Associate Director no more than sixty (60) days after the date the testing takes place.
[45CSR13, R13-0718, 4.5.3]

4.5.5. **Notification and Record Keeping.** Any owner or operator subject to the provisions of this part shall furnish written notification as follows:

1. A notification of the date construction (or reconstruction as defined under 40CFR§60.15) of an affected facility is commenced postmarked no later than 30 days after such date.

2. A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

[40CFR§60.7(a); 45CSR16; 45CSR13, R13-0718, 4.5.4]

4.5.6. The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:

a. The date and time of periodic coal preparation and processing plant visual observations, noting those sources with visible emissions along with corrective actions taken to reduce visible emissions. Results from the actions shall be noted.

b. The amount and type of coal processed each calendar month.

[40CFR§§60.258(a), (a)(2), and (a)(3); 45CSR16; 45CSR13, R13-0718, 4.5.5]

4.5.7. For the purpose of reports required under section 40CFR**§**60.7(c), any owner operator subject to the provisions of this subpart also shall report semiannually periods of excess emissions as follow:

a. All 6-minute average opacities that exceed the applicable standard.

[40CFR§§60.258(b) and (b)(3); 45CSR16; 45CSR13, R13-0718, 4.5.6]

4.5.8. **Reporting for Subpart Y - Results of Initial Performance Tests.** The owner or operator of an affected facility shall submit the results of initial performance tests to the Administrator or delegated authority, consistent with the provisions of 40CFR§60.8. The owner or operator who elects to comply with the reduced performance testing provisions of 40CFR§§60.255(c) or (d) shall include in the performance test report identification of each affected facility that will be subject to the reduced testing. The owner or operator electing to comply with 40CFR§60.255(d) shall also include information which demonstrates that the control devices are identical. **[40CFR§60.258(c); 45CSR16; 45CSR13, R13-0718, 4.5.7]**

4.5.9. **Reporting for Subpart Y - WebFIRE Data Base.** After July 11, 2011, within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with this subpart, the owner or operator of the affected facility must submit the test date to EPA by successfully entering the data electronically into EPA's WebFIRE data base available at:

http://cfpub.epa.gov/oarweb/index.cfm?action=fire.main

For performance tests that cannot be entered into WebFIRE (i.e. Method 9 of appendix A-4 of 40CFR60 opacity performance tests) the owner or operator of the affected facility must mail a summary copy to United States Environmental Protection Agency; Energy Strategies Group; 109 TW Alexander DR; mail code D243-01; RTP, NC 27711.

[40CFR§60.258(d); 45CSR16; 45CSR13, R13-0718, 4.5.8]

4.5.10. For CAM, monitoring reports shall be submitted to the director and at a minimum shall include and be in accordance with information in permit conditions 3.5.6 and 3.5.8, as applicable. Also, at a minimum, the following information, as applicable, shall be included:

a. Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;

b. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

c. A description of the actions taken to implement a QIP during the reporting period as specified in 40 C.F.R. §64.8. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

[037C] [40 C.F.R. §64.9(a); 45CSR§30-5.1.c]

4.6. Compliance Plan

4.6.1. N/A

APPENDIX A
Monthly Report of Thermal Dryer Emissions
The Monongalia County Coal Company
Monongalia County Coal Preparation Plant
Company ID No. 061-00016

1. Hours of operation:

2. Cumulative emissions of SO_2 in tons (current month):

3. Cumulative emissions of SO_2 in tons (current year):

4. Hours exceeding SO_2 emission rate (maximum hourly average):

5. Dryer fuel in tons:

6. Dryer fuel sulfur (%, as rec'd):

Appendix B[1]
Daily Throughput of Coal on Conveyors CB3 and CB16 combined to the Preparation Plant
The Monongalia County Coal Company
Monongalia County Coal Preparation Plant
Company ID No. 061-00016

Month Year

Day of Month	Throughput on CB3 and CB16 (Tons)	Hours Operated	Average Hourly Throughput (Tons/Hour)	Initials
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
Monthly Throughput				
12 Month Rolling Total				
Yearly Permitted Limit	10,000,000 TPY			

Note: (1) The **CERTIFICATION OF DATA ACCURACY** statement appearing on the reverse side shall be completed and kept on site for a period of no less than five (5) years and shall be made available to the Director or his or her duly authorized representative upon request.

Appendix C [1]
Certified Daily and Monthly Water Usage By The Pressurized Water Truck
The Monongalia County Coal Company
Monongalia County Coal Preparation Plant
Company ID No. 061-00016

Month _____ Year

Day of Month	Water Truck Used (Y/N)	Quantity of Water Applied[2] (gallons)	Name and Amount of Chemical Suppressants Added (gallons)	Comments[3]	Initials
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

Notes: (1) The **CERTIFICATION OF DATA ACCURACY** statement appearing on the reverse side shall be completed and kept on site for a period of no less than five (5) years and shall be made available to the Director or his or her duly authorized representative upon request.

(2) The quantity of water used may be estimated based on the volume of the tank and the number of times the water truck was refilled.

(3) Use the comment section to explain why the water truck was not in use or was used sparingly.

APPENDIX D – Weekly Opacity Record

The Monongalia County Coal Company

Monongalia County Coal Preparation Plant

Company ID No. 061-00016

Date of Observation:

Data Entered by:

Reviewed by:

Date Reviewed:

Describe the General Weather Conditions:

Stack ID/Vent ID/ Emission Point ID	Stack/Vent/Emission Point Description	Time of Observation	Visible Emissions? Yes/No	Consecutive Weeks of Visual Emissions	Comments

Appendix E - CEMS Summary Report

Pollutant SO_2

Company _____

_____

Emission Limitation

Regulation	Limit	Units	Period
45 CSR 10			

Reporting Period: Calendar Quarter _____ to _____

Monitor Manufacturer: _____

Model Number: _____

Date of Last Certification or Audit: _____

Process Unit(s) Description: _____

_____

_____

Emissions Data Summary

1. Duration of excess emissions in reporting period due to:

a. Startup/Shutdown _____ hours

b. Malfunctions due to Control Equipment Problems _____ hours

c. Malfunctions due to Process Problems _____ hours

d. Other Known Causes _____ hours

e. Unknown Causes _____ hours

2. Total Duration _____ hours

3. Percent Excess Emissions _____ %

CEMS Performance Summary

1. CEMS Downtime in reporting period due to:

a. Monitor Equipment Malfunction _____ hours

b. Other Equipment Malfunction _____ hours

c. Quality Assurance Calibration _____ hours

d. Other Known Causes _____ hours

e. Unknown Causes _____ hours

2. Total CEMS Downtime _____ hours

3. Percent CEMS Downtime _____ %

% Downtime = 100 8 (Total COMS Downtime / Total Source Operating Time)

Please Note:

1. Separate Summary Reports are required for each process in the system when it has separate monitoring equipment.
2. Total source operating time means the total time which the affected source is operating, including all periods of start-up, shut-down, malfunction, or CEMS downtime as those times are defined under the rule.
3. All times for SO_2 emissions are to be reported in hours.
4. On a separate page describe any changes since the last reporting period to the CEMS process or controls.
5. Other reports may be necessary to meet requirements.