September 8, 2015

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

RE: ***Title V Operating Permit Renewal Application***
Consolidation Coal Company – Robinson Run Preparation Plant
DAQ Plant ID #033-00018

Dear Mr. Fedczak:

Consolidation Coal Company (CCC) operates a coal preparation plant in Harrison County, West Virginia (referred to as the Robinson Run Preparation Plant). The Robinson Run Preparation Plant currently operates in accordance with the terms and conditions of Title V Operating Permit R30-03300018-2011 effective April 12, 2011 and expiring March 29, 2016. In accordance with 40 CSR§30-4.1.a.3, CCC is required to have submitted a complete Title V renewal application at least six (6) months prior to the date of permit expiration (i.e., not later than September 29, 2015). The remainder of this cover letter provides an overview of the supplemental information included with this Title V renewal application.

FACILITY CHANGES

CCC has submitted an application to authorize the following changes at the Robinson Run Preparation Plant since issuance of the last Title V operating permit:

Raw Coal Stockpile Expansion

CCC submitted a request for a Class II Administrative Update to R13-2306D to increase the maximum area for raw coal stockpile 1 (006) at the Robinson Run Preparation Plant on May 15, 2015. Submitted concurrently with the Class II Administrative Update was Attachment S containing information for the necessary revision to the Title V operating permit. Although the modified R13 and R30 permits for the proposed project have not yet been issued, CCC expects that the Title V renewal permit will incorporate the information provided with the Class II Administrative Update request. As a result, those proposed changes have been included in the enclosed Title V renewal application.

REGULATORY CHANGES

During the application process, CCC reviewed the applicability of any rules that were promulgated or amended and/or rules that were not already addressed in existing permits. This included a review of potentially applicable rules that were either:

- promulgated during the term of the current Title V;
- might have had a change in applicability (due to an amendment) during the term of the current Title V;

- potentially triggered by aforementioned facility changes that have taken place since the most recent renewal application; or
- may be applicable upon renewal of the Robinson Run Preparation Plant's Title V.

CCC did not identify any new rules (i.e., rules that are not already incorporated into the existing Title V permit) that must be incorporated into the renewal application. The primary change with respect to regulatory applicability for existing sources in the Title V permit is that the modified raw coal storage pile included in the Class II administrative update request will now be subject to the provisions of 40 CFR 60, Subpart Y for Coal Preparation and Processing Plants. As noted in the appropriate regulatory applicability sections of the enclosed renewal application, CCC will develop and operate the modified stockpile in accordance with a fugitive coal dust emissions control plan that is appropriate for site conditions.

COMPLIANCE ASSURANCE MONITORING (CAM)

With the submittal of an application for a Title V operating permit, CCC must also address the requirements of the compliance assurance monitoring (CAM) program pursuant to 40 CFR Part 64. This rule establishes monitoring requirements for emission units that employ a control device to comply with an applicable emission limit that does not require on-going compliance monitoring. Pursuant to the applicability criteria in 40 CFR 64.2, CAM applies to any unit that meets the following criteria:[1]

- The unit is subject to an emission limitation or standard for an applicable regulated air pollutant;[2]
- The unit uses a non-exempt control device to achieve compliance with this limitation or standard; and
- The unit exhibits pre-controlled emissions of this applicable regulated air pollutant greater than or equal to the major source threshold for the pollutant, typically 100 tpy.

Since this is the third renewal period for the Robinson Run Preparation Plant, CCC addressed the requirements of the CAM program for sources included in the existing permit as part of the previous renewal application in accordance with 40 CFR 64.5(b). Additionally, as discussed above, there were no new emission units or control devices added at the facility that would require a CAM applicability analysis.

[1] 40 CFR 64.2(a)

[2] Except CAM does not apply to emission limitations or standards listed in 40 CFR 64.2(b)(1).

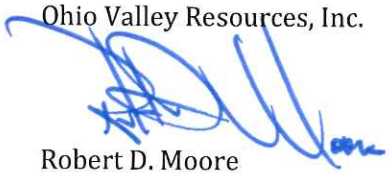
***

Please find enclosed two (2) CDs containing the Title V Renewal application with the required attachments and forms, and two (2) hard copies each of the area map, plot plan, process flow diagram, and forms requiring signature, as specified in the Division of Air Quality's (DAQ's) General Instructions for Title V Renewal Permit Applications.

Should you have any questions on this renewal application, please do not hesitate to contact either Mr. Mike Burr of Trinity Consultants at (614)-433-0733, or Mr. Drew Hudson of Murray Energy Corporation at (740) 338-3100.

Sincerely,

Ohio Valley Resources, Inc.



Robert D. Moore
Vice President

Enclosures

TITLE V RENEWAL APPLICATION

Consolidation Coal Company
Robinson Run Preparation Plant

Permit R30-03300018-2011

Prepared By:

TRINITY CONSULTANTS
8425 Pulsar Place
Suite 280
Columbus, Ohio 43240
(614) 443-0733

September 2015

Project 153601.0099

Trinity Consultants

Environmental solutions delivered uncommonly well

TABLE OF CONTENTS

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):** Consolidation Coal Company	**2. Facility Name or Location:** Robinson Run Preparation Plant
3. DAQ Plant ID No.: 033-00018	**4. Federal Employer ID No. (FEIN):** 13-2566594

5. **Permit Application Type:**

☐ Initial Permit — When did operations commence? 05/1968
☒ Permit Renewal — What is the expiration date of the existing permit? 03/29/2016
☐ Update to Initial/Renewal Permit Application

6. Type of Business Entity:

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

8. Number of onsite employees:

42

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: 46226 National Road W		
City: St. Clairsville	**State:** OH	**Zip:** 43950
Telephone Number: (740) 338-3100	**Fax Number:** (740) 338-3416	

12. Facility Location		
Street: Prospect Valley Road	**City:** Shinnston	**County:** Harrison
UTM Easting: 554.82 km	**UTM Northing:** 4,361.54 km	**Zone:** ☒ 17 or ☐ 18
Directions: From US Route 19 in Shinnston, travel west on County Road 3 for 2.8 miles. Turn left on County Road ¾ for 1.2 miles to the preparation plant.		
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).** Ohio, Pennsylvania, Maryland
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).** Dolly Sods Wilderness Otter Creek Wilderness

[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: Robert D. Moore		**Title:** Vice President
Street or P.O. Box: 46226 National Road W		
City: St. Clairsville	**State:** OH	**Zip:** 43950
Telephone Number: (740) 338-3100	**Fax Number:** (740) 338-3416	
E-mail address: rmoore@coalsource.com		
Environmental Contact: Drew Hudson		**Title:** Permitting Manager
Street or P.O. Box: 46226 National Road W		
City: St. Clairsville	**State:** OH	**Zip:** 43950
Telephone Number: (740) 338-3100	**Fax Number:** (740) 338-3416	
E-mail address: dhudson@coalsource.com		
Application Preparer: Mike Burr		**Title:** Senior Consultant
Company: Trinity Consultants		
Street or P.O. Box: 8425 Pulsar Pl, Suite 280		
City: Columbus	**State:** OH	**Zip:** 43240
Telephone Number: (614) 433-0733	**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 Plant	Clean Coal	212112	1222

Provide a general description of operations.

Typical coal preparation plant operations – facility receives raw coal which is sized, washed, and shipped off site by truck or rail. This facility does not have 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*).

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
1	45CSR§6-3.1.	3.1.1.	Open Burning	The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
2	45CSR§6-3.2.	3.1.2.	Open Burning Exemptions	The exemption 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.
3	40CFR§61.145(b) and 45CSR34	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.
4	45CSR§4-3.1 State-Enforceable only.	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.
5	45CSR§11-5.2.	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.
6	W. Va. Code§22-5-4(a)(14)	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.
7	40CFR82, Subpart F	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.
8	40CFR68	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.
9	45CSR§42-3.1., State-Enforceable only.	3.1.9.	Greenhouse Gas Reporting	When emissions on an annual basis of one or more of the greenhouse gases listed below are greater than the *de minimis* amounts listed below, all greenhouse gases emitted above the *de minimis* amounts shall be reported to the Secretary under 45CSR§42-4. (see Section 3.5.): Carbon Dioxide: 10,000 tons/year Methane: 476 tons/year Nitrous Oxide: 32.6 tons/year Hydrofluorocarbons: 0.855 tons/year Perfluorocarbons: 1.09 tons/year Sulfur Hexafluoride: 0.42 tons/year

☒ **Permit Shield**

20. Facility-Wide Applicable Requirements *(Continued)* - *Attach additional pages as necessary.*

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*).

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
10	W. Va. Code§22-5-4(a)(15) and 45CSR13	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.
11	45CSR§5-12.1	3.3.2.	Stack Testing	At such reasonable times as the Director may designate, the owner or operator of a coal preparation plant may be required to conduct or have conducted stack tests to determine the dust loading in exhaust gases and mass emission rates of particulate matter. 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. Should the Director exercise his option to conduct such tests, the operator will provide all necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment and the required safety equipment such as scaffolding, railings, ladders, etc., to comply with generally accepted good safety practices.
12	40CSR§5-12.6	3.3.3.	Stacks	Any stack venting thermal dryer exhaust gases and/or air table exhaust gases or exhaust gases or air from any air pollution control device 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.

☒ **Permit Shield**

20. Facility-Wide Applicable Requirements *(Continued)* - *Attach additional pages as necessary.*

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*).

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
13	45CSR§30-5.1.c.2.A.; 45CSR13, R13-2306D, 4.4.1.	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.
14	45CSR§30-5.1.c.2.B	3.4.2.	Record Retention	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.
15	40CSR§30-5.1.c. State-Enforceable only.	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.
16	45CSR§§30-4.4. and 5.1.c.3.D.	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.
17	45CSR§30-5.1.c.3.E.	3.5.2.	Confidential Information	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.
18	NA	3.5.3.	Addresses	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, mailed first class or by private carrier with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate: **If to the DAQ:** Director WVDEP Division of Air Quality 601 57th Street SE Charleston, WV 25304 Phone: 304/926-0475 FAX: 304/926-0478 **If to the US EPA:** Associate Director Office of Enforcement and Permits Review (3AP12) U. S. Environmental Protection Agency Region III 1650 Arch Street Philadelphia, PA 19103-2029

☒ **Permit Shield**

20. Facility-Wide Applicable Requirements *(Continued)* - *Attach additional pages as necessary.*

List all facility-wide applicable requirements. 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*).

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
19	45CSR§30-8.	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.
20	45CSR§30-5.3.e.	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 annual certification to the USEPA shall be submitted in electronic format only. It shall be submitted by email to the following address: 3R APD Permits@epa.gov The permittee shall maintain a copy of the certification on site for five (5) years from submittal of the certification.
21	45CSR§30-5.1.c.3.A.	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.
22	NA	3.5.7.	Emergencies	For reporting emergency situations, refer to Section 2.17 of this permit.
23	45CSR§30-5.1.c.3.C. 45CSR§30-5.1.c.3.B.	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. 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.
24	45CSR§30-4.3.h.1.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.

☒ **Permit Shield**

20. Facility-Wide Applicable Requirements *(Continued)* - *Attach additional pages as necessary.*

List all facility-wide applicable requirements. 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*).

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
25	45CSR§42-4.1., State-Enforceable only. 45CSR§42-4.2., State-Enforceable only. 45CSR§42-4.5., State-Enforceable only.	3.5.10.	Greenhouse Gas Reporting Requirements	When applicable, as determined in permit section 3.1., greenhouse gas emissions shall be reported pursuant to 45CSR§42-4. as follows: a. In accordance with a reporting cycle provided by the Secretary, affected sources shall report to the Secretary the quantity of all greenhouse gases emitted above de minimis amounts in the years specified by the Secretary. b. Affected sources shall only be required to report annual quantities of anthropogenic non-mobile source greenhouse gases emitted at the stationary source, and shall not be required to report biogenic emissions of greenhouse gases. c. Reports of greenhouse gas emissions submitted to the Secretary under 45CSR§42-4. shall be signed by a responsible official and shall include the following certification statement: "I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry.
26	NA	3.7.1.	Permit Shield	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.
27	NA	3.7.2.	Permit Shield	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. None.

☒ **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.)

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Method of Compliance
1	45CSR§6-3.1.	3.1.1.	Open Burning	NA. Facility does not conduct open burning
2	45CSR§6-3.2.	3.1.2.	Open Burning Exemptions	NA.
3	40CFR§61.145(b) and 45CSR34	3.1.3.	Asbestos	Inspections will occur as required
4	45CSR§4-3.1 State-Enforceable only.	3.1.4.	Odor	Recordkeeping of complaints
5	45CSR§11-5.2.	3.1.5.	Standby Plan for Reducing Emissions	When requested, plans will be prepared.
6	W. Va. Code§22-5-4(a)(14)	3.1.6.	Emission Inventory	Reporting submissions will be maintained for five (5) years.
7	40CFR82, Subpart F	3.1.7.	Ozone-depleting Substances	Requirement to follow: a. 40CFR§§82.154 & 82.156; b. 40CFR§82.158; c. 40CFR§82.161.
8	40CFR68	3.1.8.	Risk Management Plan	Submission if required
9	45CSR§42-3.1., State-Enforceable only.	3.1.9.	Greenhouse Gas Reporting	Reporting if emissions exceed the *de minimis* amounts
10	W. Va. Code§22-5-4(a)(15) and 45CSR13	3.3.1.	Stack Testing	There are no point source discharge stacks located at the facility
11	45CSR§5-12.1	3.3.2.	Stack Testing	Such testing will be conducted if required
12	40CSR§5-12.6	3.3.3.	Stacks	NA, facility does not operate thermal dryer.
13	45CSR§30-5.1.c.2.A.; 45CSR13, R13-2306D, 4.4.1.	3.4.1.	Monitoring Information	Records of monitoring will include the required information
14	45CSR§30-5.1.c.2.B	3.4.2.	Record Retention	Monitoring records and support information will be kept for 5 years
15	40CSR§30-5.1.c. State-Enforceable only.	3.4.3.	Odors	A record of odor complaints, investigations, and responses will be kept
16	45CSR§§30-4.4. and 5.1.c.3.D.	3.5.1.	Responsible Official	All application forms, reports, and compliance certifications required by this permit will contain a certification by the Responsible Official
17	NA	3.5.3.	Addresses	NA
18	45CSR§30-8.	3.5.4.	Certified Emissions Statement	Facility will submit a Certified Emissions Statement any pay fees
19	45CSR§30-5.3.e.	3.5.5.	Compliance Certification	Compliance certifications will be submitted
20	45CSR§30-5.1.c.3.A.	3.5.6.	Semi-annual Monitoring Reports	Semi-annual monitoring reports will be submitted
21	NA	3.5.7.	Emergencies	The facility will refer to Section 2.17 for reporting emergencies
22	45CSR§30-5.1.c.3.C. 45CSR§30-5.1.c.3.B.	3.5.8.	Deviations	The facility will promptly submit supplemental reports and notices as required
23	45CSR§30-4.3.h.1.B.	3.5.9.	New Applicable Requirements	The facility will comply with new applicable requirements
24	45CSR§42-4.1., State-Enforceable only. 45CSR§42-4.2., State-Enforceable only. 45CSR§42-4.5., State-Enforceable only.	3.5.10	Greenhouse Gas Reporting Requirements	If applicable, greenhouse gas emissions will be reported pursuant to 45CSR§42-4
25	NA	3.7.1.	Permit Shield	NA
26	NA	3.7.2.	Permit Shield	NA

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)*
R13-2306E	Pending	
R13-2306D	08/27/2010	
R30-03300018-2011	03/29/2011	
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22. Inactive Permits/Obsolete Permit Conditions		
Permit Number	Date of Issuance	Permit Condition Number
R13-2306	08/16/1999	
R13-2306A	08/21/2000	
R13-2306B	04/01/2002	
R13-2306C	09/21/2004	
R30-03300018-1996	/ /	
R30-03300018-2004	10/06/2004	
R30-03300018-2006	02/14/2006	
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Section 3: Facility-Wide Emissions

23. Facility-Wide Emissions Summary [Tons per Year]	
Criteria Pollutants	Potential Emissions
Carbon Monoxide (CO)	
Nitrogen Oxides (NO_X)	
Lead (Pb)	
Particulate Matter ($PM_{2.5}$)[1]	38.8
Particulate Matter (PM_{10})[1]	299.9
Total Particulate Matter (TSP)	791.5
Sulfur Dioxide (SO_2)	
Volatile Organic Compounds (VOC)	37.60
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.

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**. See Attached.

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**. See Attached.

For each emission unit not in compliance with an applicable requirement, fill out a **Schedule of Compliance Form** as **ATTACHMENT F**. N/A

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**. N/A

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: Robert D. Moore	Title: Vice President

Responsible official's signature:

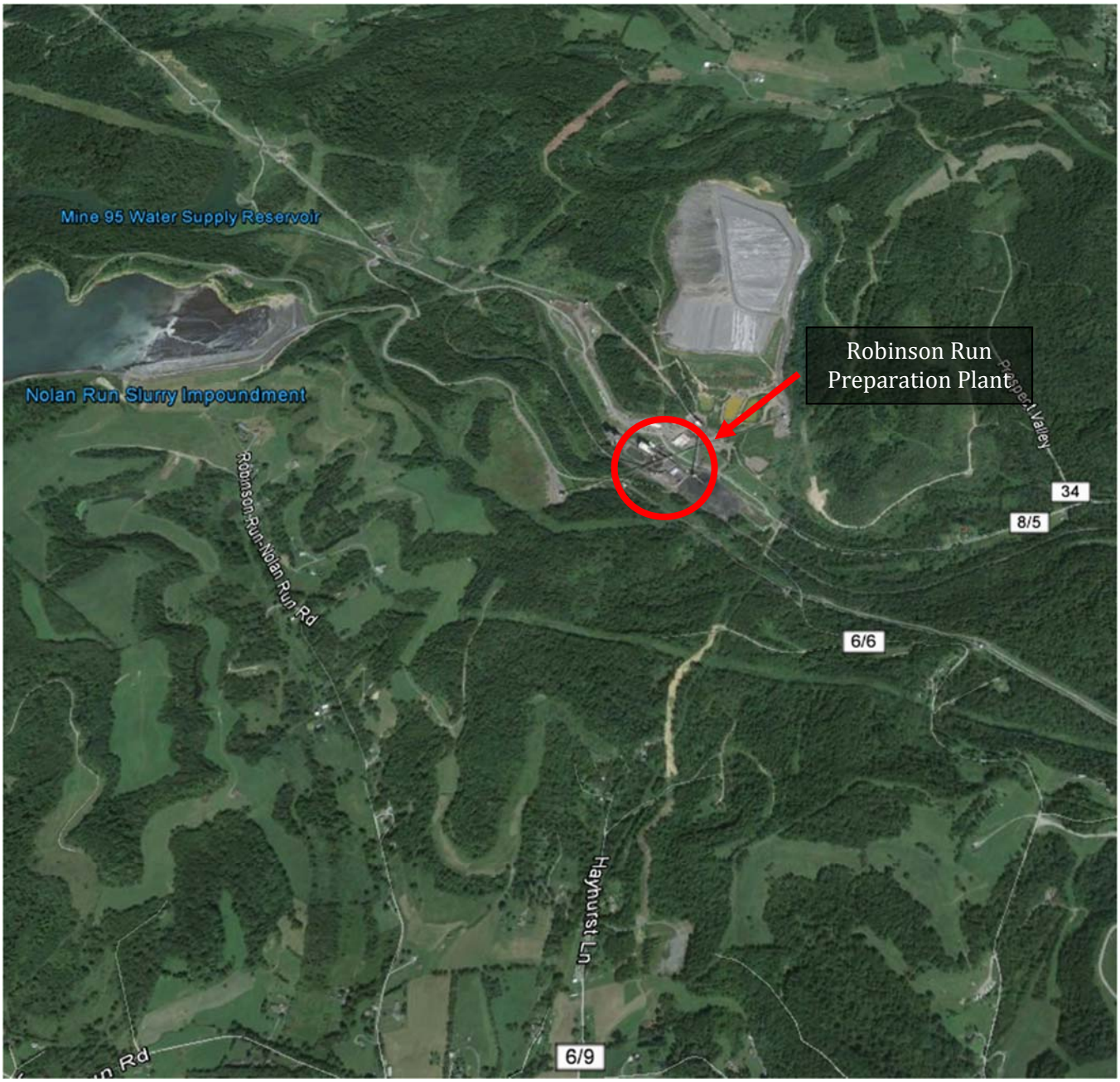
Signature: _____ Signature Date: 9/3/15

(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)
☒	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.

Figure A-1. Area Map for the Robinson Run Preparation Plant



ATTACHMENT B: PLOT PLAN

COARSE REFUSE PILE AND SLURRY CELL

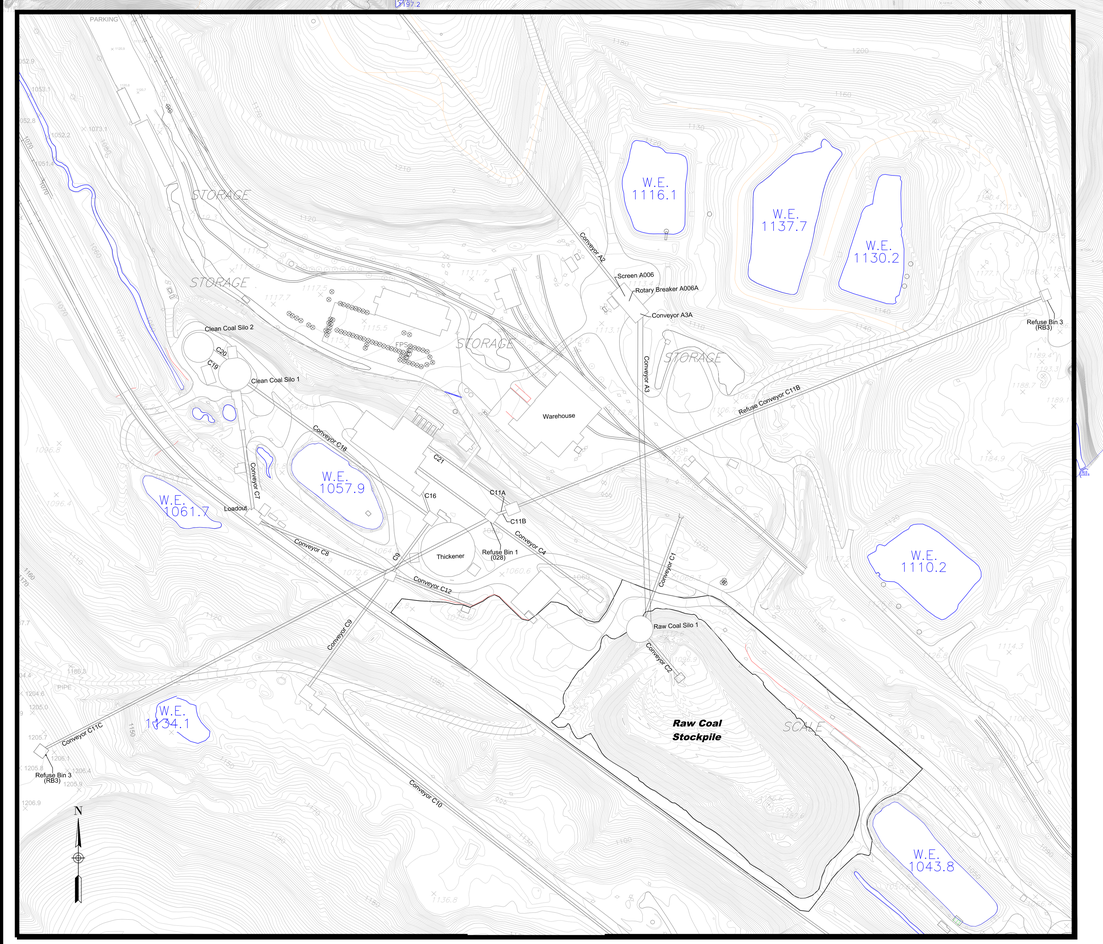
NOLAN RUN SLURRY IMPOUNDMENT

W.E. 1256.6

W.E. 1297.2

ABANDONED SLURRY IMPOUNDMENT

See Inset (Robinson Run Prep Plant)



INSET (Robinson Run Prep Plant)

Scale: 1" = 95'-0"

0' 23.75' 47.5' 95'

No.	Revision/Draftsman	Date

Consolidation Coal Company

Plot Plan

Robinson Run Mine
Preparation Plant and Refuse Area

Project

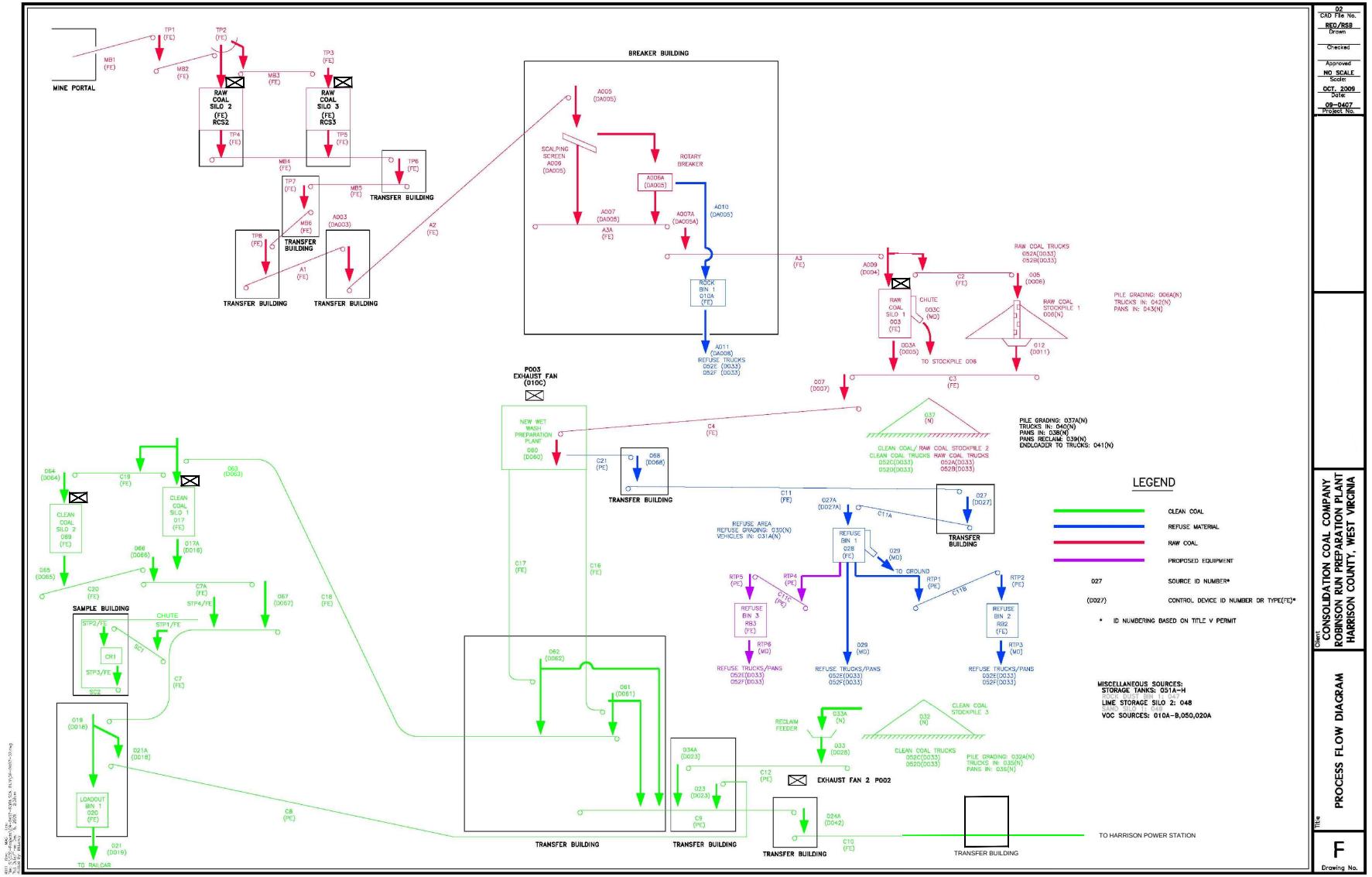
Date: March 6, 2015

Contour Interval

N

0' 50' 100' 200'

ATTACHMENT C: PROCESS FLOW DIAGRAM



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REG/RSB
Drawn
Checked
Approved
NO SCALE
Scale:
OCT. 2009
Date:
09-0407
Project No.

Client
CONSOLIDATION COAL COMPANY
ROBINSON RUN PREPARATION PLANT
HARRISON COUNTY, WEST VIRGINIA

Title
PROCESS FLOW DIAGRAM

F
Drawing No.

ATTACHMENT D: EMISSION UNITS 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
E-MB1	FE	MB1	Mine Portal Belt	5,000 tph	2005
E-MB2	FE	MB2	Silo Feed Belt	5,000 tph	2005
E-MB3	FE	MB3	Silo Transfer Belt	5,000 tph	2005
E-RCS2	FE	RCS2	Raw Coal Storage Silo 2	10,000 tons	2005
E-RCS3	FE	RCS3	Raw Coal Storage Silo 3	10,000 tons	2005
E-MB4	FE	MB4	Silo Reclaim Belt	4,000 tph	2005
E-MB5	FE	MB5	Overland Mine Belt 1	4,000 tph	2005
E-MB6	FE	MB6	Overland Mine Belt 2	4,000 tph	2005
A003	FE	A1	Conveyor and Transfer Point	4,000 tph	1994
A005	FE	A2	Conveyor and Transfer Point	4,000 tph	1994
A006, A007	FE	A006	Scalping Screen A1 (rotary breaker building) and Transfer Points	4,000 tph	1994
A006A, A007A, A010	FE	A006A	Rotary Breaker A1 (rotary breaker building) and Transfer Points (drop to A008, drop to rock bin, drop to pan)	1,000 tph	1994
A007A	FE	A3A	Conveyor and Transfer Point	4,000 tph	1994
A009	FE	A3	Conveyor and Transfer Point	4,000 tph	1994
010A, A011	FE	010A	Rock Bin 1 and Transfer Point	100 tons	1994
003A	FE	003	Raw Coal Silo	6,000 tons	1968
005	FE	C2	Conveyor and Transfer Points (raw coal to stockpile)	4,000 tph	1994
006, 012, 006A, 042, 043	ST, UC	006	Raw Coal Stockpile 1 (wind erosion, pan reclaim, grading, truck load-in, pan load-in)	750,000 tons	M 2015 1968

[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 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
037, 037A,	MC	037	Clean/Raw Coal Stockpile 2 (wind erosion,	240,000 tons	1968
007, 009	FE, PE (TP-007)	C3, C4	Conveyors (2) and Transfer Points (plant feed)	2,800 tph	2002
068	FE	C21	Conveyor and Transfer Point	800 tph	M 2010 2002
027	FE	C11	Conveyor and Transfer Point (refuse)	800 tph	M 2010 1981
C11A	FE	C11A	Refuse Conveyor and Transfer Point	800 tph	M 2010 1981
029, 030	FE	028	Refuse Bin 1 and Transfer Points	100 tons	M 2010 1981
C11B	FE	C11B	Refuse Conveyor and Transfer Point	800 tph	M 2010 1981
RTP3	FE	RB2	Refuse Bin 2 and Transfer Points	800 tph	1981
C11C	PE	C11C	Refuse Conveyor	800 tph	2010
RB3	FE	RB3	Refuse Bin 3 and Transfer Points	300 tons	2010
061	FE	C16	Conveyor and Transfer Point	1,800 tph	2002
062	FE	C17	Conveyor and Transfer Point	1,800 tph	2002
063	FE	C18	Conveyor and Transfer Point	1,800 tph	2002
064	FE	C19	Conveyor and Transfer Point	1,800 tph	2002
017A	FE	017	Clean Coal Silo 1	10,000 tons	1968
065	FE	069	Clean Coal Silo 2	25,000 tons	2002
066	FE	C20	Conveyor and Transfer Point	4,000 tph	2002
067	FE	C7A	Conveyor and Transfer Point	4,000 tph	2002
019,021A	FE	C7	Conveyor and Transfer Point (clean coal to rail loadout or by-pass)	4,000 tph	2002
STP2	FE	SC1	Sample System Feed Conveyor	5 tph	2002
STP3	FE	CR1	Sample System Pulverizer	5 tph	2002
STP4	FE	SC2	Sample System Return Conveyor	5 tph	2002

[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 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
021	FE,	020	Railroad Loadout 1	100 tons	1968
023	PE(conveyor), FE (TP)	C8	Conveyor and Transfer Point (rail loadout by-pass belt)	1,200 tph	1968
024A	PE, EM	C9	Conveyor and Transfer Point (initial belt in power plant feed)	1,300 tph	1968
N/A	FE	C10	Conveyor and Transfer Point (second belt in power plant feed)	1,300 tph	1968
032, 033, 032A, 033A, 035, 036	UC, MC	032	Clean Coal Stockpile 1 (wind erosion, reclaim to conveyor, grading, dozer to reclaim, truck load-in, pan load-in)	40,000 tons	1986
034A	PE(conveyor), FE (TP)	C12	Conveyor and Transfer Point (clean coal destock feeder)	1,200 tph	1986
031, 031A	WT	031	Refuse Disposal Area 1 (wind erosion, grading)		1968
048A	FE	048A	Lime Storage Silo 1	50 tons	1971
048B	FE	048B	Lime Storage Silo 2	50 tons	1971
047	FE	047	Rock Dust Bin 1	50 tons	1968
052A-F	WT	052A-F	Haulroads	NA	NA
010C	MC, EM, ES	060	Preparation Plant (raw & wet)	2,800 tph	2002
P003	N/A	D040	Exhaust Fan and Dust Collector 1: removes PM from prep plant	N/A	1968
P003	N/A	D041	Scrubber: removes PM from prep plant	N/A	1968
P002	N/A	D042	Exhaust Fan 2 and Dust Collector 2: removes PM from transfer point	N/A	1968

[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 FORMS

ATTACHMENT E - Emission Unit Form

Emission Unit Description Breaking/Crushing

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
A006A, CR1	Rotary Breaker A1, Sample Pulverizer	Full Enclosure (FE)

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Typical coal preparation plant breaking and crushing.

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	NA
Construction date:	**Installation date:**	**Modification date(s):**
NA	A006A in 1994, CR1 in 2002	

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

A006A at 1,000 tph, CR1at 5 tph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
A006A at 1,000 tph, CR1 at 5 tph	A006A at 3.942 MM tpy, CR1 at 43,800 tpy	8,760 hours.

Fuel Usage Data **(fill out all applicable fields) NOT APPLICABLE**

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 ($PM_{2.5}$)	0.29	0.58
Particulate Matter (PM_{10})	1.93	3.88
Total Particulate Matter (TSP)	4.06	8.15
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.).

Emissions factors from *Air Pollution Engineering Manual and References*.

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.

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
1	45CSR13, R13-2306D, 4.1.1.	5.1.1.	Compliance with Annual Throughput Limits	Compliance with all annual throughput limits shall be determined using a 12 month rolling total. For example, a 12 month rolling total shall mean the sum of raw coal received by the facility at any given time for the previous twelve (12) consecutive calendar months.
2	45CSR13, R13-2306D, 4.1.2.	5.1.2.	Facility Throughput Limitation	The throughput of coal to be handled or processed through the preparation plant, Transfer Point 060, shall not exceed 2,800 tons per hour (TPH) or 15,768,000 tons per year (TPY).
3	45CSR13, R13-2306D, 4.1.4.	5.1.3.	Inspection of Fugitive Dust Control Systems	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 nonscheduled maintenance. Records shall be maintained on site for a period of no less than five (5) years 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.
4	45CSR13, R13-2306D, 4.1.5.	5.1.4.	Dust Suppressants/Control Measures	The permittee shall maintain daily records indicating the use of any dust suppressants or any other suitable dust control measures applied at the facility. These records shall be maintained on site for a period of no less than five (5) years.
5	45CSR13, R13-2306D, 4.1.6.	5.1.5.	Records of Throughput and Hours of Operation.	The permittee shall maintain records of the coal throughput and the hours of operation. Compliance with the hourly throughput limit shall be demonstrated by dividing the calendar month's total throughput by the number of hours operated in the same calendar month to obtain an hourly average. By the fifteenth day of each calendar month, the permittee shall calculate the hourly averaged throughput of the previous calendar month. These records shall be maintained on site for a period of no less than five (5) years.
6	45CSR13, R13-2306D, 4.1.8.	5.1.7.	Freeze Protection Requirement	A freeze protection plan shall be incorporated and maintained to insure all wet suppression systems remain operational at all times.
7	45CSR§5-3.4; 45CSR13, R13-2306D, 4.1.9.	5.1.8.	Opacity	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.
8	45CSR§5-6.1; 45CSR13, R13-2306D, 4.1.10.	5.1.9.	Fugitive Dust Control	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.
9	45CSR§5-6.2; 45CSR13, R13-2306D, 4.1.11.	5.1.10.	Dust Control, Good Operating Practices	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.

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Applicable Requirements - Continued

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.

10	45CSR16; 40CFR§60.254(a); 45CSR13, R13-2306D, 4.1.12.	5.1.11.	Opacity	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.
11	45CSR16; 40CFR§60.254(b); 45CSR13, R13-2306D, 4.1.13.	5.1.12.	Opacity	On and after the date on with 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 requirements in paragraphs (1) and (3) of this section. (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. (3) Equipment used in the loading, unloading, and conveying operations of
12	45CSR§13-5.11., 45CSR13, R13-2306D, 4.1.14.	5.1.13.	Operation and Maintenance of Air Pollution Control Equipment	The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
13	45CSR16; 40CFR§60.11(d); 45CSR13, R13-2306D, 4.1.15.	5.1.14.	Good Air Pollution Control Practice	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.

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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.

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
14	45CSR13, R13-2306D, 4.1.3 and 4.2.1; 45CSR§30-5.1.c. (Not required for stockpiles and haulroads 037, 037A, 006, 006A, 032,032A, 031, 031A, 054, and 052A – F)	5.2.1.	Monitoring, Recordkeeping, Reporting	The permittee shall conduct monitoring/recordkeeping/reporting as follows: a. An initial visible emissions evaluation in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be performed within ninety (90) days of permit issuance for each emission unit with a visible emissions 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. A visible emissions evaluation shall be conducted for each emission unit 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 each emission unit. b. Each emissions unit with a visible emissions limit contained in this permit shall be observed visually at least each calendar week during periods of normal 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 any of the emissions units are observed during these weekly observations, or at any other time, that appear to exceed 50 percent of the allowable visible emission requirement for the emission unit, 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 one (1) month from the time of the observation. A Method 9 evaluation shall not be required under condition Section 3.2.1.b. if the visible emissions condition is corrected in a timely manner; the emissions unit is operating at normal operating conditions; and, the cause and corrective measures taken are recorded. c. If the initial, or any subsequent, visible emissions evaluation indicates visible emissions in excess of 50 percent of the allowable visible emissions requirement for a given emission unit, a visible emissions evaluation shall be performed for that unit at least once every consecutive 14-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 emission unit for 3 consecutive evaluation periods, the emission unit may comply with the visible missions testing requirements of condition 3.2.1.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.
15	45CSR16, 40CFR§60.8(a), 45CSR13, R13-2306D, 4.3.1.	5.3.1.	Performance Tests	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).
16	45CSR16; 40CFR§60.11(b); 45CSR13, R13- 2306D, 4.3.2.	5.3.2.	Compliance With Particulate Matter Standards	Compliance with opacity standards in this part shall be determined by conducting observations in accordance with Reference Method 9 in appendix A of 40 CFR 60. For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours (30 6-minute averages) for the performance test or other set of observations (meaning those fugitive-type emission sources subject only to an opacity standard).

<u>X</u> Permit Shield

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.

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
17	45CSR16, 45CSR13, R13-2306D, 4.3.3.	5.3.3.	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, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraph (2) of this section. (2) 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 requirements in paragraphs (2)(i) and (ii) of this section, as applicable, except as provided for in 40C.F.R§§60.255(e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in 40C.F.R§60.255(h). (i) If 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. (ii) 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.
18	45CSR16, 40CFR§60.255(f), 45CSR13, R13-2306D, 4.3.4.	5.3.4.	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 40C.F.R.§60.255(b)(2) [see permit condition 5.3.3. above], an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (1) of this section. (1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (1)(i) through (iii) of this section. (i) 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. (ii) 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. (iii) 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. (2) 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.

X Permit Shield

Applicable Requirements - Continued

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.

19	45CSR16, 40CFR§60.255(g), 45CSR13, R13-2306D, 4.3.5.	5.3.5.	Performance Tests and Other Compliance Requirements for Subpart Y - COMS.	As an alternative to meeting the requirements in 40C.F.R§60.255(b)(2) [see permit condition 5.3.3. above], 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 40C.F.R.§§60.255(g)(1) and (2) .
20	45CSR16, 40CFR§60.255(c), 45CSR13, R13-2306D, 4.3.6.	5.3.6.	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 §60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.
21	45CSR16, 40CFR§60.257(a), 45CSR13, R13-2306D, 4.3.7.	5.3.7.	Test Methods and Procedures for Subpart Y.	The owner or operator must determine compliance with the applicable opacity standards as specified in paragraphs (1) through (3) of this section. (1) Method 9 of Appendix A-4 of this part and the procedures in §60.11 must be used to determine opacity, with the exceptions specified in paragraphs 5.3.7(1)(i) and (ii). (i) The duration of the Method 9 of Appendix A-4 of this part performance test shall be 1 hour (ten 6- minute averages). (ii) If, during the initial 30 minutes of the observation of a Method 9 of Appendix A-4 of this part 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. (2) To determine opacity for fugitive coal dust emissions sources, the additional requirements specified in paragraphs 5.3.7(2)(i) through (iii) must be used. (i) 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. (ii) 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. (iii) 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. (3) 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 specified in paragraphs (3)(i) through (iii) of this section are met. (i) No more than three emissions points may be read concurrently. (ii) 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. (iii) 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.
22	45CSR16, 40CFR§60.257(b), 45CSR13, R13-2306D, 4.3.8.	5.3.8.	Test Methods and Procedures for Subpart Y.	The owner or operator must conduct all performance tests required by §60.8 to demonstrate compliance with the applicable emissions standards specified in §60.252 according to the requirements in §60.8 using the applicable test methods and procedures in 40C.F.R§§60.257(b) (1) through (8).
23	45CSR13, R13-2306D, 4.4.2.	5.4.1.	Record of Maintenance of Air Pollution Control Equipment.	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.

<u>X</u> Permit Shield

Applicable Requirements - Continued

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.

24	45CSR13, R13-2306D, 4.4.3.	5.4.2.	Record of Malfunctions of Air Pollution Control Equipment.	For all pollution control equipment listed in Section 1.0, 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.
25	45CSR13, R13-2306D, 4.5.1.	5.5.1.	Performance Test Notifications	With regard to any testing required by the Director, the permittee shall submit to the Director of Air Quality and the Associate Director - Office of Enforcement and Permit Review (3AP12) of the U.S. EPA 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.
26	45CSR13, R13-2306D, 4.5.2.	5.5.2.	Emissions Violations Reporting	Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation 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.
27	45CSR16, 40CFR§60.7(a), 45CSR13, R13-2306D, 4.5.3.	5.5.3.	Part 60 Notifications	Any owner or operator subject to the provisions of this part shall furnish written notification as follows: A notification of the date construction (or reconstruction as defined under §60.15) of an affected facility is commenced postmarked no later than 30 days after such date. A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.
28	45CSR16, 40CFR§60.258(b), 45CSR13, R13-2306D, 4.5.4.	5.5.4.	Reporting for Subpart Y - Opacity Exceedances	For the purposes of reports required under section 60.7(c), any owner or operator subject to the provisions of Subpart Y also shall report semiannually periods of excess emissions as follow: (3) All 6-minute average opacities that exceed the applicable standard.
29	45CSR16, 40CFR§60.258(c), 45CSR13, R13-2306D, 4.5.5.	5.5.5.	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 section 60.8. The owner or operator who elects to comply with the reduced performance testing provisions of sections 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 section 60.255(d) shall also include information which demonstrates that the control devices are identical.
30	45CSR16, 40CFR§60.258(d), 45CSR13, R13-2306D, 4.5.6.	5.5.6.	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.eps.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 this part 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.

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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.)

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Method of Compliance
1	45CSR13, R13-2306D, 4.1.1.	5.1.1.	Compliance with Annual Throughput Limits	12 month rolling total will be used to determine compliance with all annual throughput limits.
2	45CSR13, R13-2306D, 4.1.2.	5.1.2.	Facility Throughput Limitation	Throughputs records will be maintained for Transfer Point 060 to ensure compliance with the applicable limitations.
3	45CSR13, R13-2306D, 4.1.4.	5.1.3.	Inspection of Fugitive Dust Control Systems	Records of all inspections conducted will be maintained on site for a period of no less than five (5) years.
4	45CSR13, R13-2306D, 4.1.5.	5.1.4.	Dust Suppressants/Control Measures	Daily records will be maintained for the use of any dust suppressants or any other suitable dust control measures applied at the facility. The records will be maintained on site for a period of no less than
5	45CSR13, R13-2306D, 4.1.6.	5.1.5.	Records of Throughput and Hours of Operation.	Records of the coal throughput and the hours of operation will be maintained on site for a period of no less than five (5) years.
6	45CSR13, R13-2306D, 4.1.8.	5.1.7.	Freeze Protection Requirement	A freeze protection plan will be incorporated and maintained.
7	45CSR§5-3.4; 45CSR13, R13-2306D, 4.1.9.	5.1.8.	Opacity	Opacity testing and monitoring will be conducted as required to maintain compliance with the applicable standard.
8	45CSR§5-6.1; 45CSR13, R13-2306D, 4.1.10.	5.1.9.	Fugitive Dust Control	Fugitive dust will be controlled in accordance with the information contained within the permit applications and as required by the permit.
9	45CSR§5-6.2; 45CSR13, R13-2306D, 4.1.11.	5.1.10.	Dust Control, Good Operating Practices	Dust control will be maintained. Good operating practices will be followed.
10	45CSR16; 40CFR§60.254(a); 45CSR13, R13-2306D, 4.1.12.	5.1.11.	Opacity	Opacity testing and monitoring will be conducted as required to maintain compliance with the applicable standard.
11	45CSR16; 40CFR§60.254(b); 45CSR13, R13-2306D, 4.1.13.	5.1.12.	Opacity	Opacity testing and monitoring will be conducted as required to maintain compliance with the applicable standard.
12	45CSR§13-5.11., 45CSR13, R13-2306D, 4.1.14.	5.1.13.	Operation and Maintenance of Air Pollution Control Equipment	All pollution control equipment will be installed, maintained, and operated in a manner consistent with safety and good air pollution control practices.
13	45CSR16; 40CFR§60.11(d); 45CSR13, R13-2306D, 4.1.15.	5.1.14.	Good Air Pollution Control Practice	Good air pollution control practices will be followed.
14	45CSR13, R13-2306D, 4.1.3 and 4.2.1; 45CSR§30-5.1.c. (Not required for stockpiles and haulroads 037, 037A, 006, 006A, 032,032A, 031, 031A, 054, and 052A – F)	5.2.1.	Monitoring, Recordkeeping, Reporting	The facility will conduct all monitoring/recordkeeping/reporting in accordance with the requirements specified in this section.
15	45CSR16, 40CFR§60.8(a), 45CSR13, R13-2306D, 4.3.1.	5.3.1.	Performance Tests	Performance tests will be conducted as required.
16	45CSR16; 40CFR§60.11(b); 45CSR13, R13- 2306D, 4.3.2.	5.3.2.	Compliance With Particulate Matter Standards	Opacity testing and monitoring will be conducted as required to maintain compliance with the applicable standard.
17	45CSR16, 45CSR13, R13-2306D, 4.3.3.	5.3.3.	Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests.	Performance tests will be conducted as required.

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.)

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Method of Compliance
18	45CSR16, 40CFR§60.255(f), 45CSR13, R13-2306D, 4.3.4.	5.3.4.	Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System.	The facility will comply with the requirements in this section if applicable.
19	45CSR16, 40CFR§60.255(g), 45CSR13, R13-2306D, 4.3.5.	5.3.5.	Performance Tests and Other Compliance Requirements for Subpart Y - COMS.	The facility will comply with the requirements in this section if applicable.
20	45CSR16, 40CFR§60.255(c), 45CSR13, R13-2306D, 4.3.6.	5.3.6.	Performance Tests and Other Compliance Requirements for Subpart Y	NA
21	45CSR16, 40CFR§60.257(a), 45CSR13, R13-2306D, 4.3.7.	5.3.7.	Test Methods and Procedures for Subpart Y.	The facility will determine compliance with the applicability opacity standards using the methods described in this section.
22	45CSR16, 40CFR§60.257(b), 45CSR13, R13-2306D, 4.3.8.	5.3.8.	Test Methods and Procedures for Subpart Y.	All performance tests required by §60.8 will be performed in accordance with the requirements described in this section.
23	45CSR13, R13-2306D, 4.4.2.	5.4.1.	Record of Maintenance of Air Pollution Control Equipment.	Records of all required pollution control equipment inspection and preventative maintenance procedures will be maintained.
24	45CSR13, R13-2306D, 4.4.3.	5.4.2.	Record of Malfunctions of Air Pollution Control Equipment.	Records of malfunction or operational shutdown of the air pollution control equipment which leads to excess emissions will be maintained.
25	45CSR13, R13-2306D, 4.5.1.	5.5.1.	Performance Test Notifications	Performance test notifications will be submitted in accordance with the requirements of this section.
26	45CSR13, R13-2306D, 4.5.2.	5.5.2.	Emissions Violations Reporting	Violations of any allowable visible emissions requirement will be reported as described in this section.
27	45CSR16, 40CFR§60.7(a), 45CSR13, R13-2306D, 4.5.3.	5.5.3.	Part 60 Notifications	Notifications will be submitted as required in accordance with the procedures described in this section.
28	45CSR16, 40CFR§60.258(b), 45CSR13, R13-2306D, 4.5.4.	5.5.4.	Reporting for Subpart Y - Opacity Exceedances	Semi-annual excess emissions reports will be submitted.
29	45CSR16, 40CFR§60.258(c), 45CSR13, R13-2306D, 4.5.5.	5.5.5.	Reporting for Subpart Y - Results of Initial Performance Tests	Results of initial performance tests will be submitted.
30	45CSR16, 40CFR§60.258(d), 45CSR13, R13-2306D, 4.5.6.	5.5.6.	Reporting for Subpart Y - WebFIRE Data Base	Relevant test data will be entered into EPA's WebFIRE database as required.

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 Disposal Area

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
031	Refuse Disposal Area	WT

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

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

Construction date:	**Installation date:**	**Modification date(s):**
NA	1968	NA

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

NA

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
NA	NA	8,760 hours.

Fuel Usage Data **(fill out all applicable fields) NOT APPLICABLE**

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 ($PM_{2.5}$)	1.21	5.32
Particulate Matter (PM_{10})	8.09	35.45
Total Particulate Matter (TSP)	17.00	74.45
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.).

Emissions factors from *Air Pollution Engineering Manual and References*.

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.

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
1	45CSR§5-7.1. Refuse Disposal Area 1 (031)	4.1.1.	Particulate Matter Air Pollution	In order to prevent and control air pollution from coal refuse disposal areas, the operation of coal refused disposal areas shall be conducted in accordance with the standards established by 45CSR§5-7.
2	45CSR§5-7.2. Refuse Disposal Area 1 (031)	4.1.2.	Particulate Matter Air Pollution	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.
3	45CSR§5-7.3. Refuse Disposal Area 1 (031)	4.1.3.	Particulate Matter Air Pollution	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.
4	45CSR§5-7.4. Refuse Disposal Area 1 (031)	4.1.4.	Particulate Matter Air Pollution	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.
5	45CSR§5-7.5. Refuse Disposal Area 1 (031)	4.1.5.	Particulate Matter Air Pollution	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.
6	45CSR§5-7.6. Refuse Disposal Area 1 (031)	4.1.6.	Particulate Matter Air Pollution	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.
7	45CSR§5-7.7. Refuse Disposal Area 1 (031)	4.1.7.	Particulate Matter Air Pollution	Garbage, trash, household refuse, and like materials shall not be deposited on or near any coal refuse disposal area.
8	45CSR§5-7.8. Refuse Disposal Area 1 (031)	4.1.8.	Particulate Matter Air Pollution	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.
9	45CSR§5-8.3. Refuse Disposal Area 1 (031)	4.1.9	Particulate Matter Air Pollution	With respect to all burning coal refuse disposal areas, the person responsible for the coal refuse disposal areas or the land on which the coal refuse disposal areas are located shall use due diligence to control air pollution from the coal refuse disposal areas. Consistent with the declaration of policy and purpose set forth in W.Va. Code §22-5-1, 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 the coal refuse disposal area or the land on which the coal refuse disposal area is located shall submit to the Director a report setting forth satisfactory methods and procedures to eliminate, prevent or reduce the 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 the corrective measures 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 the report is not submitted as requested or if the Director determines that the methods and procedures set forth in the report are not adequate to reasonably control the air pollution he or she shall issue an order requiring the elimination, prevention or reduction of the air pollution.

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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.)

None required.

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 Screening

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
A006	Scalping Screen A1	Full Enclosure (FE)

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Typical coal preparation plant screening.

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	NA
Construction date:	**Installation date:**	**Modification date(s):**
NA	A006 in 1994	NA

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
A006 at 4,000 tph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
A006 at 4,000 tph	A006 at 15.768 MM tpy	8,760 hours.

Fuel Usage Data **(fill out all applicable fields) NOT APPLICABLE**

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 ($PM_{2.5}$)	5.71	11.26
Particulate Matter (PM_{10})	38.10	75.09
Total Particulate Matter (TSP)	80.00	157.68
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.).

Emissions factors from *Air Pollution Engineering Manual and References*.

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.

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
1	45CSR13, R13-2306D, 4.1.1.	5.1.1.	Compliance with Annual Throughput Limits	Compliance with all annual throughput limits shall be determined using a 12 month rolling total. For example, a 12 month rolling total shall mean the sum of raw coal received by the facility at any given time for the previous twelve (12) consecutive calendar months.
2	45CSR13, R13-2306D, 4.1.2.	5.1.2.	Facility Throughput Limitation	The throughput of coal to be handled or processed through the preparation plant, Transfer Point 060, shall not exceed 2,800 tons per hour (TPH) or 15,768,000 tons per year (TPY).
3	45CSR13, R13-2306D, 4.1.4.	5.1.3.	Inspection of Fugitive Dust Control Systems	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 nonscheduled maintenance. Records shall be maintained on site for a period of no less than five (5) years 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.
4	45CSR13, R13-2306D, 4.1.5.	5.1.4.	Dust Suppressants/Control Measures	The permittee shall maintain daily records indicating the use of any dust suppressants or any other suitable dust control measures applied at the facility. These records shall be maintained on site for a period of no less than five (5) years.
5	45CSR13, R13-2306D, 4.1.6.	5.1.5.	Records of Throughput and Hours of Operation.	The permittee shall maintain records of the coal throughput and the hours of operation. Compliance with the hourly throughput limit shall be demonstrated by dividing the calendar month's total throughput by the number of hours operated in the same calendar month to obtain an hourly average. By the fifteenth day of each calendar month, the permittee shall calculate the hourly averaged throughput of the previous calendar month. These records shall be maintained on site for a period of no less than five (5) years.
6	45CSR13, R13-2306D, 4.1.8.	5.1.7.	Freeze Protection Requirement	A freeze protection plan shall be incorporated and maintained to insure all wet suppression systems remain operational at all times.
7	45CSR§5-3.4; 45CSR13, R13-2306D, 4.1.9.	5.1.8.	Opacity	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.
8	45CSR§5-6.1; 45CSR13, R13-2306D, 4.1.10.	5.1.9.	Fugitive Dust Control	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.
9	45CSR§5-6.2; 45CSR13, R13-2306D, 4.1.11.	5.1.10.	Dust Control, Good Operating Practices	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.

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Applicable Requirements - Continued

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.

10	45CSR16; 40CFR§60.254(a); 45CSR13, R13-2306D, 4.1.12.	5.1.11.	Opacity	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.
11	45CSR16; 40CFR§60.254(b); 45CSR13, R13-2306D, 4.1.13.	5.1.12.	Opacity	On and after the date on with 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 requirements in paragraphs (1) and (3) of this section. (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. (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.
12	45CSR§13-5.11., 45CSR13, R13-2306D, 4.1.14.	5.1.13.	Operation and Maintenance of Air Pollution Control Equipment	The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
13	45CSR16; 40CFR§60.11(d); 45CSR13, R13-2306D, 4.1.15.	5.1.14.	Good Air Pollution Control Practice	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.

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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.

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
14	45CSR13, R13-2306D, 4.1.3 and 4.2.1; 45CSR§30-5.1.c. (Not required for stockpiles and haulroads 037, 037A, 006, 006A, 032,032A, 031, 031A, 054, and 052A – F)	5.2.1.	Monitoring, Recordkeeping, Reporting	The permittee shall conduct monitoring/recordkeeping/reporting as follows: a. An initial visible emissions evaluation in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be performed within ninety (90) days of permit issuance for each emission unit with a visible emissions 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. A visible emissions evaluation shall be conducted for each emission unit 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 each emission unit. b. Each emissions unit with a visible emissions limit contained in this permit shall be observed visually at least each calendar week during periods of normal 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 any of the emissions units are observed during these weekly observations, or at any other time, that appear to exceed 50 percent of the allowable visible emission requirement for the emission unit, 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 one (1) month from the time of the observation. A Method 9 evaluation shall not be required under condition Section 3.2.1.b. if the visible emissions condition is corrected in a timely manner; the emissions unit is operating at normal operating conditions; and, the cause and corrective measures taken are recorded. c. If the initial, or any subsequent, visible emissions evaluation indicates visible emissions in excess of 50 percent of the allowable visible emissions requirement for a given emission unit, a visible emissions evaluation shall be performed for that unit at least once every consecutive 14-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 emission unit for 3 consecutive evaluation periods, the emission unit may comply with the visible missions testing requirements of condition 3.2.1.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.
15	45CSR16, 40CFR§60.8(a), 45CSR13, R13-2306D, 4.3.1.	5.3.1.	Performance Tests	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).
16	45CSR16; 40CFR§60.11(b); 45CSR13, R13- 2306D, 4.3.2.	5.3.2.	Compliance With Particulate Matter Standards	Compliance with opacity standards in this part shall be determined by conducting observations in accordance with Reference Method 9 in appendix A of 40 CFR 60. For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours (30 6-minute averages) for the performance test or other set of observations (meaning those fugitive-type emission sources subject only to an opacity standard).

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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.

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
17	45CSR16, 45CSR13, R13-2306D, 4.3.3.	5.3.3.	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, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraph (2) of this section. (2) 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 requirements in paragraphs (2)(i) and (ii) of this section, as applicable, except as provided for in 40C.F.R§§60.255(e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in 40C.F.R§60.255(h). (i) If 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. (ii) 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.
18	45CSR16, 40CFR§60.255(f), 45CSR13, R13-2306D, 4.3.4.	5.3.4.	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 40C.F.R.§60.255(b)(2) [see permit condition 5.3.3. above], an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (1) of this section. (1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (1)(i) through (iii) of this section. (i) 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. (ii) 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. (iii) 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. (2) 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.

X Permit Shield

Applicable Requirements - Continued

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.

19	45CSR16, 40CFR§60.255(g), 45CSR13, R13-2306D, 4.3.5.	5.3.5.	Performance Tests and Other Compliance Requirements for Subpart Y - COMS.	As an alternative to meeting the requirements in 40C.F.R§60.255(b)(2) [see permit condition 5.3.3. above], 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 40C.F.R.§§60.255(g)(1) and (2) .
20	45CSR16, 40CFR§60.255(c), 45CSR13, R13-2306D, 4.3.6.	5.3.6.	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 §60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.
21	45CSR16, 40CFR§60.257(a), 45CSR13, R13-2306D, 4.3.7.	5.3.7.	Test Methods and Procedures for Subpart Y.	The owner or operator must determine compliance with the applicable opacity standards as specified in paragraphs (1) through (3) of this section. (1) Method 9 of Appendix A-4 of this part and the procedures in §60.11 must be used to determine opacity, with the exceptions specified in paragraphs 5.3.7(1)(i) and (ii). (i) The duration of the Method 9 of Appendix A-4 of this part performance test shall be 1 hour (ten 6- minute averages). (ii) If, during the initial 30 minutes of the observation of a Method 9 of Appendix A-4 of this part 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. (2) To determine opacity for fugitive coal dust emissions sources, the additional requirements specified in paragraphs 5.3.7(2)(i) through (iii) must be used. (i) 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. (ii) 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. (iii) 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. (3) 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 specified in paragraphs (3)(i) through (iii) of this section are met. (i) No more than three emissions points may be read concurrently. (ii) 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. (iii) 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.
22	45CSR16, 40CFR§60.257(b), 45CSR13, R13-2306D, 4.3.8.	5.3.8.	Test Methods and Procedures for Subpart Y.	The owner or operator must conduct all performance tests required by §60.8 to demonstrate compliance with the applicable emissions standards specified in §60.252 according to the requirements in §60.8 using the applicable test methods and procedures in 40C.F.R§§60.257(b) (1) through (8).
23	45CSR13, R13-2306D, 4.4.2.	5.4.1.	Record of Maintenance of Air Pollution Control Equipment.	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.

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Applicable Requirements - Continued

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.

24	45CSR13, R13-2306D, 4.4.3.	5.4.2.	Record of Malfunctions of Air Pollution Control Equipment.	For all pollution control equipment listed in Section 1.0, 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.
25	45CSR13, R13-2306D, 4.5.1.	5.5.1.	Performance Test Notifications	With regard to any testing required by the Director, the permittee shall submit to the Director of Air Quality and the Associate Director - Office of Enforcement and Permit Review (3AP12) of the U.S. EPA 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.
26	45CSR13, R13-2306D, 4.5.2.	5.5.2.	Emissions Violations Reporting	Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation 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.
27	45CSR16, 40CFR§60.7(a), 45CSR13, R13-2306D, 4.5.3.	5.5.3.	Part 60 Notifications	Any owner or operator subject to the provisions of this part shall furnish written notification as follows: A notification of the date construction (or reconstruction as defined under §60.15) of an affected facility is commenced postmarked no later than 30 days after such date. A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.
28	45CSR16, 40CFR§60.258(b), 45CSR13, R13-2306D, 4.5.4.	5.5.4.	Reporting for Subpart Y - Opacity Exceedances	For the purposes of reports required under section 60.7(c), any owner or operator subject to the provisions of Subpart Y also shall report semiannually periods of excess emissions as follow: (3) All 6-minute average opacities that exceed the applicable standard.
29	45CSR16, 40CFR§60.258(c), 45CSR13, R13-2306D, 4.5.5.	5.5.5.	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 section 60.8. The owner or operator who elects to comply with the reduced performance testing provisions of sections 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 section 60.255(d) shall also include information which demonstrates that the control devices are identical.
30	45CSR16, 40CFR§60.258(d), 45CSR13, R13-2306D, 4.5.6.	5.5.6.	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.eps.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 this part 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.

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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.)

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Method of Compliance
1	45CSR13, R13-2306D, 4.1.1.	5.1.1.	Compliance with Annual Throughput Limits	12 month rolling total will be used to determine compliance with all annual throughput limits.
2	45CSR13, R13-2306D, 4.1.2.	5.1.2.	Facility Throughput Limitation	Throughputs records will be maintained for Transfer Point 060 to ensure compliance with the applicable limitations.
3	45CSR13, R13-2306D, 4.1.4.	5.1.3.	Inspection of Fugitive Dust Control Systems	Records of all inspections conducted will be maintained on site for a period of no less than five (5) years.
4	45CSR13, R13-2306D, 4.1.5.	5.1.4.	Dust Suppressants/Control Measures	Daily records will be maintained for the use of any dust suppressants or any other suitable dust control measures applied at the facility. The records will be maintained on site for a period of no less than
5	45CSR13, R13-2306D, 4.1.6.	5.1.5.	Records of Throughput and Hours of Operation.	Records of the coal throughput and the hours of operation will be maintained on site for a period of no less than five (5) years.
6	45CSR13, R13-2306D, 4.1.8.	5.1.7.	Freeze Protection Requirement	A freeze protection plan will be incorporated and maintained.
7	45CSR§5-3.4; 45CSR13, R13-2306D, 4.1.9.	5.1.8.	Opacity	Opacity testing and monitoring will be conducted as required to maintain compliance with the applicable standard.
8	45CSR§5-6.1; 45CSR13, R13-2306D, 4.1.10.	5.1.9.	Fugitive Dust Control	Fugitive dust will be controlled in accordance with the information contained within the permit applications and as required by the permit.
9	45CSR§5-6.2; 45CSR13, R13-2306D, 4.1.11.	5.1.10.	Dust Control, Good Operating Practices	Dust control will be maintained. Good operating practices will be followed.
10	45CSR16; 40CFR§60.254(a); 45CSR13, R13-2306D, 4.1.12.	5.1.11.	Opacity	Opacity testing and monitoring will be conducted as required to maintain compliance with the applicable standard.
11	45CSR16; 40CFR§60.254(b); 45CSR13, R13-2306D, 4.1.13.	5.1.12.	Opacity	Opacity testing and monitoring will be conducted as required to maintain compliance with the applicable standard.
12	45CSR§13-5.11., 45CSR13, R13-2306D, 4.1.14.	5.1.13.	Operation and Maintenance of Air Pollution Control Equipment	All pollution control equipment will be installed, maintained, and operated in a manner consistent with safety and good air pollution control practices.
13	45CSR16; 40CFR§60.11(d); 45CSR13, R13-2306D, 4.1.15.	5.1.14.	Good Air Pollution Control Practice	Good air pollution control practices will be followed.
14	45CSR13, R13-2306D, 4.1.3 and 4.2.1; 45CSR§30-5.1.c. (Not required for stockpiles and haulroads 037, 037A, 006, 006A, 032,032A, 031, 031A, 054, and 052A – F)	5.2.1.	Monitoring, Recordkeeping, Reporting	The facility will conduct all monitoring/recordkeeping/reporting in accordance with the requirements specified in this section.
15	45CSR16, 40CFR§60.8(a), 45CSR13, R13-2306D, 4.3.1.	5.3.1.	Performance Tests	Performance tests will be conducted as required.
16	45CSR16; 40CFR§60.11(b); 45CSR13, R13- 2306D, 4.3.2.	5.3.2.	Compliance With Particulate Matter Standards	Opacity testing and monitoring will be conducted as required to maintain compliance with the applicable standard.
17	45CSR16, 45CSR13, R13-2306D, 4.3.3.	5.3.3.	Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests.	Performance tests will be conducted as required.

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.)

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Method of Compliance
18	45CSR16, 40CFR§60.255(f), 45CSR13, R13-2306D, 4.3.4.	5.3.4.	Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System.	The facility will comply with the requirements in this section if applicable.
19	45CSR16, 40CFR§60.255(g), 45CSR13, R13-2306D, 4.3.5.	5.3.5.	Performance Tests and Other Compliance Requirements for Subpart Y - COMS.	The facility will comply with the requirements in this section if applicable.
20	45CSR16, 40CFR§60.255(c), 45CSR13, R13-2306D, 4.3.6.	5.3.6.	Performance Tests and Other Compliance Requirements for Subpart Y	NA
21	45CSR16, 40CFR§60.257(a), 45CSR13, R13-2306D, 4.3.7.	5.3.7.	Test Methods and Procedures for Subpart Y.	The facility will determine compliance with the applicability opacity standards using the methods described in this section.
22	45CSR16, 40CFR§60.257(b), 45CSR13, R13-2306D, 4.3.8.	5.3.8.	Test Methods and Procedures for Subpart Y.	All performance tests required by §60.8 will be performed in accordance with the requirements described in this section.
23	45CSR13, R13-2306D, 4.4.2.	5.4.1.	Record of Maintenance of Air Pollution Control Equipment.	Records of all required pollution control equipment inspection and preventative maintenance procedures will be maintained.
24	45CSR13, R13-2306D, 4.4.3.	5.4.2.	Record of Malfunctions of Air Pollution Control Equipment.	Records of malfunction or operational shutdown of the air pollution control equipment which leads to excess emissions will be maintained.
25	45CSR13, R13-2306D, 4.5.1.	5.5.1.	Performance Test Notifications	Performance test notifications will be submitted in accordance with the requirements of this section.
26	45CSR13, R13-2306D, 4.5.2.	5.5.2.	Emissions Violations Reporting	Violations of any allowable visible emissions requirement will be reported as described in this section.
27	45CSR16, 40CFR§60.7(a), 45CSR13, R13-2306D, 4.5.3.	5.5.3.	Part 60 Notifications	Notifications will be submitted as required in accordance with the procedures described in this section.
28	45CSR16, 40CFR§60.258(b), 45CSR13, R13-2306D, 4.5.4.	5.5.4.	Reporting for Subpart Y - Opacity Exceedances	Semi-annual excess emissions reports will be submitted.
29	45CSR16, 40CFR§60.258(c), 45CSR13, R13-2306D, 4.5.5.	5.5.5.	Reporting for Subpart Y - Results of Initial Performance Tests	Results of initial performance tests will be submitted.
30	45CSR16, 40CFR§60.258(d), 45CSR13, R13-2306D, 4.5.6.	5.5.6.	Reporting for Subpart Y - WebFIRE Data Base	Relevant test data will be entered into EPA's WebFIRE database as required.

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 Open Stockpiles

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
006, 037, 032	Stockpile 1, Stockpile 2, Stockpile 3	037: MC; 006: ST, UC; 032: UC, MC

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Typical coal preparation plant stockpiling of raw and clean coal.

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	NA
Construction date:	**Installation date:**	**Modification date(s):**
NA	006 in 1968, 037 in 1968, 032 in 1986	006 in 2015

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
006 at 750,000 tons, 037 at 240,000 tons, 032 at 40,000 tons

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
NA	006 at 10 MM tpy, 037 at 10.512 MM tpy, 032 at 8.76 MM tpy	8,760 hours.

Fuel Usage Data **(fill out all applicable fields) NOT APPLICABLE**

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 ($PM_{2.5}$)	0.17	0.74
Particulate Matter (PM_{10})	1.13	4.97
Total Particulate Matter (TSP)	2.38	10.43
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.).

Emissions factors from *Air Pollution Engineering Manual and References*.

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.

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
1	45CSR§5-6.2; 45CSR13, R13-2306D, 4.1.11.	5.1.10.	Dust Control, Good Operating Practices	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.
2	40 CFR§60.254(c)	NA	Fugitive Coal Dust Emissions Control Plan	The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section. (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, comp action, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source. (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section. (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust emissions control plan for the affected facility that includes the alternative control measures, and information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section. (ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2). (iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending. (iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point.

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Applicable Requirements - Continued

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.

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
2	40 CFR§60.254(c)	NA	Fugitive Coal Dust Emissions Control Plan	(4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified affected facility, or 30 days after the effective date of this rule, whichever is later. (5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section. (i) The Administrator or delegated authority m ay object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. (ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. (6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants.

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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.)

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Method of Compliance
1	45CSR§5-6.2; 45CSR13, R13-2306D, 4.1.11.	5.1.10.	Dust Control, Good Operating Practices	Dust control will be maintained. Good operating practices will be followed.
2	40 CFR§60.254(c)	NA	Fugitive Coal Dust Emissions Control Plan	CCC will develop and operate the modified stockpile in accordance with a fugitive coal dust emissions control plan that is appropriate for site conditions.

Are you in compliance with all applicable requirements for this emission unit? <u>X</u> Yes <u>__</u> No

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description Transfer Points

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
See Transfer Points page in Attachment I.	Transfer Points	See Attachment I.

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
These are typical preparation plant drop transfers: Conveyor to conveyor, equipment to conveyor, etc.

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 I.

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
See Attachment I.	See Attachment I.	8,760 hours.

Fuel Usage Data **(fill out all applicable fields) NOT APPLICABLE**

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 ($PM_{2.5}$)	2.66	6.75
Particulate Matter (PM_{10})	17.58	44.60
Total Particulate Matter (TSP)	37.16	94.30
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.).

Emissions factors are calculated based on *AP42 Fifth Edition*, Section 13.2.4. See Attachment I for individual transfer point emission factors.

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.

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
1	45CSR13, R13-2306D, 4.1.1.	5.1.1.	Compliance with Annual Throughput Limits	Compliance with all annual throughput limits shall be determined using a 12 month rolling total. For example, a 12 month rolling total shall mean the sum of raw coal received by the facility at any given time for the previous twelve (12) consecutive calendar months.
2	45CSR13, R13-2306D, 4.1.2.	5.1.2.	Facility Throughput Limitation	The throughput of coal to be handled or processed through the preparation plant, Transfer Point 060, shall not exceed 2,800 tons per hour (TPH) or 15,768,000 tons per year (TPY).
3	45CSR13, R13-2306D, 4.1.4.	5.1.3.	Inspection of Fugitive Dust Control Systems	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 nonscheduled maintenance. Records shall be maintained on site for a period of no less than five (5) years 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.
4	45CSR13, R13-2306D, 4.1.5.	5.1.4.	Dust Suppressants/Control Measures	The permittee shall maintain daily records indicating the use of any dust suppressants or any other suitable dust control measures applied at the facility. These records shall be maintained on site for a period of no less than five (5) years.
5	45CSR13, R13-2306D, 4.1.6.	5.1.5.	Records of Throughput and Hours of Operation.	The permittee shall maintain records of the coal throughput and the hours of operation. Compliance with the hourly throughput limit shall be demonstrated by dividing the calendar month's total throughput by the number of hours operated in the same calendar month to obtain an hourly average. By the fifteenth day of each calendar month, the permittee shall calculate the hourly averaged throughput of the previous calendar month. These records shall be maintained on site for a period of no less than five (5) years.
6	45CSR13, R13-2306D, 4.1.8.	5.1.7.	Freeze Protection Requirement	A freeze protection plan shall be incorporated and maintained to insure all wet suppression systems remain operational at all times.
7	45CSR§5-3.4; 45CSR13, R13-2306D, 4.1.9.	5.1.8.	Opacity	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.
8	45CSR§5-6.1; 45CSR13, R13-2306D, 4.1.10.	5.1.9.	Fugitive Dust Control	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.
9	45CSR§5-6.2; 45CSR13, R13-2306D, 4.1.11.	5.1.10.	Dust Control, Good Operating Practices	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.

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Applicable Requirements - Continued

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.

10	45CSR16; 40CFR§60.254(a); 45CSR13, R13-2306D, 4.1.12.	5.1.11.	Opacity	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.
11	45CSR16; 40CFR§60.254(b); 45CSR13, R13-2306D, 4.1.13.	5.1.12.	Opacity	On and after the date on with 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 requirements in paragraphs (1) and (3) of this section. (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. (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.
12	45CSR§13-5.11., 45CSR13, R13-2306D, 4.1.14.	5.1.13.	Operation and Maintenance of Air Pollution Control Equipment	The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
13	45CSR16; 40CFR§60.11(d); 45CSR13, R13-2306D, 4.1.15.	5.1.14.	Good Air Pollution Control Practice	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.

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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.

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
14	45CSR13, R13-2306D, 4.1.3 and 4.2.1; 45CSR§30-5.1.c. (Not required for stockpiles and haulroads 037, 037A, 006, 006A, 032,032A, 031, 031A, 054, and 052A – F)	5.2.1.	Monitoring, Recordkeeping, Reporting	The permittee shall conduct monitoring/recordkeeping/reporting as follows: a. An initial visible emissions evaluation in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be performed within ninety (90) days of permit issuance for each emission unit with a visible emissions 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. A visible emissions evaluation shall be conducted for each emission unit 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 each emission unit. b. Each emissions unit with a visible emissions limit contained in this permit shall be observed visually at least each calendar week during periods of normal 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 any of the emissions units are observed during these weekly observations, or at any other time, that appear to exceed 50 percent of the allowable visible emission requirement for the emission unit, 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 one (1) month from the time of the observation. A Method 9 evaluation shall not be required under condition Section 3.2.1.b. if the visible emissions condition is corrected in a timely manner; the emissions unit is operating at normal operating conditions; and, the cause and corrective measures taken are recorded. c. If the initial, or any subsequent, visible emissions evaluation indicates visible emissions in excess of 50 percent of the allowable visible emissions requirement for a given emission unit, a visible emissions evaluation shall be performed for that unit at least once every consecutive 14-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 emission unit for 3 consecutive evaluation periods, the emission unit may comply with the visible missions testing requirements of condition 3.2.1.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.
15	45CSR16, 40CFR§60.8(a), 45CSR13, R13-2306D, 4.3.1.	5.3.1.	Performance Tests	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).
16	45CSR16; 40CFR§60.11(b); 45CSR13, R13- 2306D, 4.3.2.	5.3.2.	Compliance With Particulate Matter Standards	Compliance with opacity standards in this part shall be determined by conducting observations in accordance with Reference Method 9 in appendix A of 40 CFR 60. For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours (30 6-minute averages) for the performance test or other set of observations (meaning those fugitive-type emission sources subject only to an opacity standard).

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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.

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
17	45CSR16, 45CSR13, R13-2306D, 4.3.3.	5.3.3.	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, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraph (2) of this section. (2) 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 requirements in paragraphs (2)(i) and (ii) of this section, as applicable, except as provided for in 40C.F.R§§60.255(e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in 40C.F.R§60.255(h). (i) If 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. (ii) 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.
18	45CSR16, 40CFR§60.255(f), 45CSR13, R13-2306D, 4.3.4.	5.3.4.	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 40C.F.R.§60.255(b)(2) [see permit condition 5.3.3. above], an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (1) of this section. (1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (1)(i) through (iii) of this section. (i) 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. (ii) 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. (iii) 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. (2) 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.

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Applicable Requirements - Continued

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.

19	45CSR16, 40CFR§60.255(g), 45CSR13, R13-2306D, 4.3.5.	5.3.5.	Performance Tests and Other Compliance Requirements for Subpart Y - COMS.	As an alternative to meeting the requirements in 40C.F.R§60.255(b)(2) [see permit condition 5.3.3. above], 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 40C.F.R.§§60.255(g)(1) and (2) .
20	45CSR16, 40CFR§60.255(c), 45CSR13, R13-2306D, 4.3.6.	5.3.6.	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 §60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.
21	45CSR16, 40CFR§60.257(a), 45CSR13, R13-2306D, 4.3.7.	5.3.7.	Test Methods and Procedures for Subpart Y.	The owner or operator must determine compliance with the applicable opacity standards as specified in paragraphs (1) through (3) of this section. (1) Method 9 of Appendix A-4 of this part and the procedures in §60.11 must be used to determine opacity, with the exceptions specified in paragraphs 5.3.7(1)(i) and (ii). (i) The duration of the Method 9 of Appendix A-4 of this part performance test shall be 1 hour (ten 6- minute averages). (ii) If, during the initial 30 minutes of the observation of a Method 9 of Appendix A-4 of this part 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. (2) To determine opacity for fugitive coal dust emissions sources, the additional requirements specified in paragraphs 5.3.7(2)(i) through (iii) must be used. (i) 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. (ii) 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. (iii) 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. (3) 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 specified in paragraphs (3)(i) through (iii) of this section are met. (i) No more than three emissions points may be read concurrently. (ii) 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. (iii) 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.
22	45CSR16, 40CFR§60.257(b), 45CSR13, R13-2306D, 4.3.8.	5.3.8.	Test Methods and Procedures for Subpart Y.	The owner or operator must conduct all performance tests required by §60.8 to demonstrate compliance with the applicable emissions standards specified in §60.252 according to the requirements in §60.8 using the applicable test methods and procedures in 40C.F.R§§60.257(b) (1) through (8).
23	45CSR13, R13-2306D, 4.4.2.	5.4.1.	Record of Maintenance of Air Pollution Control Equipment.	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.

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Applicable Requirements - Continued

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.

24	45CSR13, R13-2306D, 4.4.3.	5.4.2.	Record of Malfunctions of Air Pollution Control Equipment.	For all pollution control equipment listed in Section 1.0, 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.
25	45CSR13, R13-2306D, 4.5.1.	5.5.1.	Performance Test Notifications	With regard to any testing required by the Director, the permittee shall submit to the Director of Air Quality and the Associate Director - Office of Enforcement and Permit Review (3AP12) of the U.S. EPA 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.
26	45CSR13, R13-2306D, 4.5.2.	5.5.2.	Emissions Violations Reporting	Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation 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.
27	45CSR16, 40CFR§60.7(a), 45CSR13, R13-2306D, 4.5.3.	5.5.3.	Part 60 Notifications	Any owner or operator subject to the provisions of this part shall furnish written notification as follows: A notification of the date construction (or reconstruction as defined under §60.15) of an affected facility is commenced postmarked no later than 30 days after such date. A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.
28	45CSR16, 40CFR§60.258(b), 45CSR13, R13-2306D, 4.5.4.	5.5.4.	Reporting for Subpart Y - Opacity Exceedances	For the purposes of reports required under section 60.7(c), any owner or operator subject to the provisions of Subpart Y also shall report semiannually periods of excess emissions as follow: (3) All 6-minute average opacities that exceed the applicable standard.
29	45CSR16, 40CFR§60.258(c), 45CSR13, R13-2306D, 4.5.5.	5.5.5.	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 section 60.8. The owner or operator who elects to comply with the reduced performance testing provisions of sections 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 section 60.255(d) shall also include information which demonstrates that the control devices are identical.
30	45CSR16, 40CFR§60.258(d), 45CSR13, R13-2306D, 4.5.6.	5.5.6.	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.eps.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 this part 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.

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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.)

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Method of Compliance
1	45CSR13, R13-2306D, 4.1.1.	5.1.1.	Compliance with Annual Throughput Limits	12 month rolling total will be used to determine compliance with all annual throughput limits.
2	45CSR13, R13-2306D, 4.1.2.	5.1.2.	Facility Throughput Limitation	Throughputs records will be maintained for Transfer Point 060 to ensure compliance with the applicable limitations.
3	45CSR13, R13-2306D, 4.1.4.	5.1.3.	Inspection of Fugitive Dust Control Systems	Records of all inspections conducted will be maintained on site for a period of no less than five (5) years.
4	45CSR13, R13-2306D, 4.1.5.	5.1.4.	Dust Suppressants/Control Measures	Daily records will be maintained for the use of any dust suppressants or any other suitable dust control measures applied at the facility. The records will be maintained on site for a period of no less than five (5) years.
5	45CSR13, R13-2306D, 4.1.6.	5.1.5.	Records of Throughput and Hours of Operation.	Records of the coal throughput and the hours of operation will be maintained on site for a period of no less than five (5) years.
6	45CSR13, R13-2306D, 4.1.8.	5.1.7.	Freeze Protection Requirement	A freeze protection plan will be incorporated and maintained.
7	45CSR§5-3.4; 45CSR13, R13-2306D, 4.1.9.	5.1.8.	Opacity	Opacity testing and monitoring will be conducted as required to maintain compliance with the applicable standard.
8	45CSR§5-6.1; 45CSR13, R13-2306D, 4.1.10.	5.1.9.	Fugitive Dust Control	Fugitive dust will be controlled in accordance with the information contained within the permit applications and as required by the permit.
9	45CSR§5-6.2; 45CSR13, R13-2306D, 4.1.11.	5.1.10.	Dust Control, Good Operating Practices	Dust control will be maintained. Good operating practices will be followed.
10	45CSR16; 40CFR§60.254(a); 45CSR13, R13-2306D, 4.1.12.	5.1.11.	Opacity	Opacity testing and monitoring will be conducted as required to maintain compliance with the applicable standard.
11	45CSR16; 40CFR§60.254(b); 45CSR13, R13-2306D, 4.1.13.	5.1.12.	Opacity	Opacity testing and monitoring will be conducted as required to maintain compliance with the applicable standard.
12	45CSR§13-5.11., 45CSR13, R13-2306D, 4.1.14.	5.1.13.	Operation and Maintenance of Air Pollution Control Equipment	All pollution control equipment will be installed, maintained, and operated in a manner consistent with safety and good air pollution control practices.
13	45CSR16; 40CFR§60.11(d); 45CSR13, R13-2306D, 4.1.15.	5.1.14.	Good Air Pollution Control Practice	Good air pollution control practices will be followed.
14	45CSR13, R13-2306D, 4.1.3 and 4.2.1; 45CSR§30-5.1.c. (Not required for stockpiles and haulroads 037, 037A, 006, 006A, 032,032A, 031, 031A, 054, and 052A – F)	5.2.1.	Monitoring, Recordkeeping, Reporting	The facility will conduct all monitoring/recordkeeping/reporting in accordance with the requirements specified in this section.
15	45CSR16, 40CFR§60.8(a), 45CSR13, R13-2306D, 4.3.1.	5.3.1.	Performance Tests	Performance tests will be conducted as required.
16	45CSR16; 40CFR§60.11(b); 45CSR13, R13- 2306D, 4.3.2.	5.3.2.	Compliance With Particulate Matter Standards	Opacity testing and monitoring will be conducted as required to maintain compliance with the applicable standard.
17	45CSR16, 45CSR13, R13-2306D, 4.3.3.	5.3.3.	Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests.	Performance tests will be conducted as required.

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.)

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Method of Compliance
18	45CSR16, 40CFR§60.255(f), 45CSR13, R13-2306D, 4.3.4.	5.3.4.	Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System.	The facility will comply with the requirements in this section if applicable.
19	45CSR16, 40CFR§60.255(g), 45CSR13, R13-2306D, 4.3.5.	5.3.5.	Performance Tests and Other Compliance Requirements for Subpart Y - COMS.	The facility will comply with the requirements in this section if applicable.
20	45CSR16, 40CFR§60.255(c), 45CSR13, R13-2306D, 4.3.6.	5.3.6.	Performance Tests and Other Compliance Requirements for Subpart Y.	NA
21	45CSR16, 40CFR§60.257(a), 45CSR13, R13-2306D, 4.3.7.	5.3.7.	Test Methods and Procedures for Subpart Y.	The facility will determine compliance with the applicability opacity standards using the methods described in this section.
22	45CSR16, 40CFR§60.257(b), 45CSR13, R13-2306D, 4.3.8.	5.3.8.	Test Methods and Procedures for Subpart Y.	All performance tests required by §60.8 will be performed in accordance with the requirements described in this section.
23	45CSR13, R13-2306D, 4.4.2.	5.4.1.	Record of Maintenance of Air Pollution Control Equipment.	Records of all required pollution control equipment inspection and preventative maintenance procedures will be maintained.
24	45CSR13, R13-2306D, 4.4.3.	5.4.2.	Record of Malfunctions of Air Pollution Control Equipment.	Records of malfunction or operational shutdown of the air pollution control equipment which leads to excess emissions will be maintained.
25	45CSR13, R13-2306D, 4.5.1.	5.5.1.	Performance Test Notifications	Performance test notifications will be submitted in accordance with the requirements of this section.
26	45CSR13, R13-2306D, 4.5.2.	5.5.2.	Emissions Violations Reporting	Violations of any allowable visible emissions requirement will be reported as described in this section.
27	45CSR16, 40CFR§60.7(a), 45CSR13, R13-2306D, 4.5.3.	5.5.3.	Part 60 Notifications	Notifications will be submitted as required in accordance with the procedures described in this section.
28	45CSR16, 40CFR§60.258(b), 45CSR13, R13-2306D, 4.5.4.	5.5.4.	Reporting for Subpart Y - Opacity Exceedances	Semi-annual excess emissions reports will be submitted.
29	45CSR16, 40CFR§60.258(c), 45CSR13, R13-2306D, 4.5.5.	5.5.5.	Reporting for Subpart Y - Results of Initial Performance Tests	Results of initial performance tests will be submitted.
30	45CSR16, 40CFR§60.258(d), 45CSR13, R13-2306D, 4.5.6.	5.5.6.	Reporting for Subpart Y - WebFIRE Data Base	Relevant test data will be entered into EPA's WebFIRE database as required.

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 Vehicular Traffic

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
052A/B, 052C/D, 052E/F	Haulroads	Water Truck (WT)

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Typical coal preparation plant unpaved haulroad activities including the trucking of raw and clean coal, and refuse.

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	NA
Construction date:	**Installation date:**	**Modification date(s):**
NA	NA	052E/F in 2010

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

NA

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
NA	NA	8,760 hours.

Fuel Usage Data **(fill out all applicable fields) NOT APPLICABLE**

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 ($PM_{2.5}$)	4.51	12.51
Particulate Matter (PM_{10})	45.08	125.05
Total Particulate Matter (TSP)	152.73	423.67
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.).

Emissions factor equation from *AP42 Fifth Edition*, Section 13.2.2.

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.

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Requirement
1	45CSR13, R13-2306D, 4.1.5.	5.1.4.	Dust Suppressants/Control Measures	The permittee shall maintain daily records indicating the use of any dust suppressants or any other suitable dust control measures applied at the facility. These records shall be maintained on site for a period of no less than five (5) years.
2	45CSR13, R13-2306D, 4.1.7.	5.1.6.	Water Truck Requirements	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 spray bar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the surface 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.
3	45CSR13, R13-2306D, 4.1.8.	5.1.7.	Freeze Protection Requirement	A freeze protection plan shall be incorporated and maintained to insure all wet suppression systems remain operational at all times.
4	45CSR§5-6.2; 45CSR13, R13-2306D, 4.1.11.	5.1.10.	Dust Control, Good Operating Practices	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.

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.)

	Rule/ Regulation/ R13 Permit	Existing R30 Permit Condition	Name	Method of Compliance
1	45CSR13, R13-2306D, 4.1.5.	5.1.4.	Dust Suppressants/Control Measures	Daily records of the use of dust suppressants or any suitable dust control measures applied at the facility will be maintained.
2	45CSR13, R13-2306D, 4.1.7.	5.1.6.	Water Truck Requirements	Water truck will be maintained at the facility.
3	45CSR13, R13-2306D, 4.1.8.	5.1.7.	Freeze Protection Requirement	A freeze protection plan will be incorporated and maintained.
4	45CSR§5-6.2; 45CSR13, R13-2306D, 4.1.11.	5.1.10.	Dust Control, Good Operating Practices	Dust control will be maintained. Good operating practices will be followed.

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 FORM

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: FE	**List all emission units associated with this control device.** MB1, MB2, MB3, RCS2, RCS3, MB4, MB5, MB6, A1, A2, A006, A006A, A3A, A3, 010A, 003, C2, C3, C4, C21, C11, C11A, 028, C11B, RB2, RB3, C16, C17, C18, C19, 017, 069, C20, C7A, C7, SC1, CR1, SC2, 020, C8, C10, C12, 048A, 048B, 047	
Manufacturer: N/A	**Model number:** N/A	**Installation date:** N/A

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) **Full Enclosure**
___ 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
$PM/PM_{10}/PM_{2.5}$	80% overall capture/control	80% overall capture/control

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

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

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification. N/A**

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

Control efficiency values came from Table A of WV DEP's "Application Instructions and Forms for General Permit G40-C for the Prevention and Control of Air Pollution in regard to the Construction, Modification, Relocation, Administrative Update and Operation of Nonmetallic Mineral Processing Plants."

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: PE	**List all emission units associated with this control device.** C11C, C9	
Manufacturer: N/A	**Model number:** N/A	**Installation date:** N/A

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) **Partial Enclosure**

___ 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
$PM/PM_{10}/PM_{2.5}$	50% overall capture/control	50% overall capture/control

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

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

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification. N/A**

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

Control efficiency values came from Table A of WV DEP's "Application Instructions and Forms for General Permit G40-C for the Prevention and Control of Air Pollution in regard to the Construction, Modification, Relocation, Administrative Update and Operation of Nonmetallic Mineral Processing Plants."

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: WT	**List all emission units associated with this control device.** 052A-F	
Manufacturer: N/A	**Model number:** N/A	**Installation date:** N/A

Type of Air Pollution Control Device:

___ Baghouse/Fabric Filter
___ Carbon Bed Adsorber
___ Carbon Drum(s)
___ Catalytic Incinerator
___ Thermal Incinerator
___ Wet Plate Electrostatic Precipitator
___ Venturi Scrubber
___ Packed Tower Scrubber
___ Other Wet Scrubber
___ Condenser
___ Flare
___ Multiclone
___ Single Cyclone
___ Cyclone Bank
___ Settling Chamber
X Other (describe) **Water Truck**
___ 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
$PM/PM_{10}/PM_{2.5}$	70% overall capture control	70% overall capture/control

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

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

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification. N/A**

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

Control efficiency values came from Table A of WV DEP's "Application Instructions and Forms for General Permit G40-C for the Prevention and Control of Air Pollution in regard to the Construction, Modification, Relocation, Administrative Update and Operation of Nonmetallic Mineral Processing Plants."

ATTACHMENT I: SUPPORTING EMISSIONS CALCULATIONS

Table I-1. Facility Wide Potential to Emit Summary

	PM (tpy)	PM_{10} (tpy)	$PM_{2.5}$ (tpy)	VOC (tpy)
Transfers	94.3	44.6	6.8	-
Crushing/Screening	188.6	89.8	13.5	-
Roads	423.7	125.1	12.5	-
Piles	84.9	40.4	6.1	-
Miscellaneous[a]	-	-	-	37.6
TOTAL	**791.5**	**299.9**	**38.8**	**37.6**

a. Miscellaneous VOC tpy from Air4 Title V renewal application of 8/14/03.

Table I-2. Transfer Points

EMISSIONS CALCULATIONS

Flow Diagram ID	Emission Source Description	Transfer Capacity (tph)	Transfer Capacity (tpy)	PM Emission Factor[a] (lb/ton)	Contr. Effic.[b] (%)	Moist. Content (%)	Potential to Emit PM (lb/hr) Controlled	Potential to Emit PM (lb/hr) Uncontrolled	Potential to Emit PM (tpy) Controlled	Potential to Emit PM (tpy) Uncontrolled
TP1	Raw coal transfer from mine portal belt (MB1) to silo feed belt (MB2)	5,000	15,768,000	0.0008	80	5.5	0.76	3.80	1.20	5.99
TP2	Raw coal transfer from silo feed belt (MB2) to silo transfer belt (MB3) and raw coal storage silo 2 (RCS2)	5,000	15,768,000	0.0008	80	5.5	0.76	3.80	1.20	5.99
TP3	Silo transfer belt (MB3) to raw coal storage silo 3 (RCS3)	5,000	15,768,000	0.0008	80	5.5	0.76	3.80	1.20	5.99
TP4	Raw coal storage silo 2 (RCS2) to silo reclaim belt (MB4)	4,000	15,768,000	0.0008	80	5.5	0.61	3.04	1.20	5.99
TP5	Raw coal storage silo 3 (RCS3) to silo reclaim belt (MB4)	4,000	0	0.0008	80	5.5	0.61	3.04	0.00	0.00
TP6	Silo reclaim belt (MB4) to overland mine belt 1 (MB5)	4,000	15,768,000	0.0008	80	5.5	0.61	3.04	1.20	5.99
TP7	Overland mine belt 1 (MB5) to overland mine belt 2 (MB6)	4,000	15,768,000	0.0008	80	5.5	0.61	3.04	1.20	5.99
TP8	Overland mine belt 2 (MB6) to conveyor (A1)	4,000	15,768,000	0.0008	80	5.5	0.61	3.04	1.20	5.99
A003	Conveyor (A1) to conveyor (A2)	4,000	15,768,000	0.0008	80	5.5	0.61	3.04	1.20	5.99
A005	Conveyor (A2) to scalping screen A1 (A006) and rotary breaker A1 (A006A)	4,000	15,768,000	0.0008	80	5.5	0.61	3.04	1.20	5.99
A007	Scalping screen A1 (A006) and rotary breaker A1 (A006A) to conveyor (A3A)	4,000	15,768,000	0.0008	80	5.5	0.61	3.04	1.20	5.99
A007A	Conveyor (A3A) to conveyor (A3)	4,000	15,768,000	0.0008	80	5.5	0.61	3.04	1.20	5.99
A009	Conveyor (A3) to raw coal silo 1 (003)	4,000	15,768,000	0.0008	80	5.5	0.61	3.04	1.20	5.99
A010	Rotary breaker A1 (A006A) to rock bin 1 (010A)	20	175,200	0.0008	80	5.5	0.00	0.02	0.01	0.07
A011	Rock bin 1 (010A) to refuse trucks (052E and 052F)	20	175,200	0.0008	80	5.5	0.00	0.02	0.01	0.07
003A	Raw coal silo 1 (003) to conveyor (C3)	2,800	15,768,000	0.0008	80	5.5	0.43	2.13	1.20	5.99
	Conveyor (A3) to Conveyor (C2)	4,000	10,000,000	0.0008	80	5.5	0.61	3.04	0.76	3.80
003C	Raw coal silo 1 (003) to stockpile (006)	2,800	0	0.0008	0	5.5	2.13	2.13	0.00	0.00
005	Conveyor (C2) to raw coal stockpile 1 (006)	4,000	10,000,000	0.0008	50	5.5	1.52	3.04	1.90	3.80
006A	Raw coal stockpile 1 (006) pile grading (006A)	1,200	1,000,000	0.0008	0	5.5	0.91	0.91	0.38	0.38
007	Conveyor (C3) to conveyor (C4)	2,800	15,768,000	0.0008	50	5.5	1.06	2.13	3.00	5.99
012	Raw coal stockpile 1 (006) to conveyor (C3)	2,800	10,000,000	0.0008	50	5.5	1.06	2.13	1.90	3.80
017A	Clean coal silo 1 (017) to conveyor (C7A)	4,000	15,768,000	0.0007	80	6.0	0.54	2.69	1.06	5.30
019	Conveyor (C7) to railroad loadout 1 (020)	4,000	15,768,000	0.0007	80	6.0	0.54	2.69	1.06	5.30
021	Railroad loadout (020) to railcar	4,000	15,768,000	0.0007	50	6.0	1.35	2.69	2.65	5.30
021A	Conveyor (C7) to conveyor (C8)	1,200	10,512,000	0.0007	80	6.0	0.16	0.81	0.71	3.54
023	Conveyor (C8) to conveyor (C9)	1,200	10,512,000	0.0007	80	6.0	0.16	0.81	0.71	3.54
024A	Conveyor (C9) to conveyor (C10)	1,300	11,388,000	0.0007	80	6.0	0.17	0.87	0.77	3.83
027	Conveyor (C11) to conveyor (C11A)	800	4,380,000	0.0006	80	6.5	0.10	0.48	0.26	1.32
027A	Conveyor (C11A) to refuse bin 1 (028)	800	4,380,000	0.0006	80	6.5	0.10	0.48	0.26	1.32
029	Refuse bin 1 (028) to ground	800	0	0.0006	0	6.5	0.48	0.48	0.00	0.00
RTP1	Refuse bin 1 (028) to conveyor (C11B)	800	4,380,000	0.0006	50	6.5	0.24	0.48	0.66	1.32
RTP2	Conveyor (C11B) to refuse bin 2 (RB2)	800	4,380,000	0.0006	50	6.5	0.24	0.48	0.66	1.32
RTP3	Refuse bin 2 (RB2) to refuse trucks/pans (052E and 052F)	800	4,380,000	0.0006	0	6.5	0.48	0.48	1.32	1.32
RTP4	Refuse bin 1 (028) to conveyor (C11C)	800	0	0.0006	50	6.5	0.24	0.48	0.00	0.00
RTP5	Conveyor (C11C) to refuse bin 3 (RB3)	800	0	0.0006	50	6.5	0.24	0.48	0.00	0.00
RTP6	Refuse bin 3 (RB3) to refuse trucks/pans (052E and 052F)	800	0	0.0006	0	6.5	0.48	0.48	0.00	0.00

Table I-2. Transfer Points

EMISSIONS CALCULATIONS

Flow Diagram ID	Emission Source Description	Transfer Capacity (tph)	Transfer Capacity (tpy)	PM Emission Factor[a] (lb/ton)	Contr. Effic.[b] (%)	Moist. Content (%)	Potential to Emit PM (lb/hr) Controlled	Potential to Emit PM (lb/hr) Uncontrolled	Potential to Emit PM (tpy) Controlled	Potential to Emit PM (tpy) Uncontrolled
030	Refuse grading	800	4,380,000	0.0006	0	6.5	0.48	0.48	1.32	1.32
031A	Vehicles to refuse area	800	4,380,000	0.0006	0	6.5	0.48	0.48	1.32	1.32
032A	Clean coal stockpile 3 (032) pile grading (032A)	1,000	8,760,000	0.0010	0	4.5	1.01	1.01	4.41	4.41
033	Reclaim feeder to Conveyor (C12)	1,200	10,512,000	0.0010	50	4.5	0.60	1.21	2.64	5.29
033A	Clean coal stockpile 3 (032) to reclaim feeder	1,200	10,512,000	0.0010	0	4.5	1.21	1.21	5.29	5.29
034A	Conveyor (C12) to conveyor (C9)	1,200	10,512,000	0.0010	80	4.5	0.24	1.21	1.06	5.29
035	Trucks to clean coal stockpile 3 (032)	1,000	8,760,000	0.0010	0	4.5	1.01	1.01	4.41	4.41
036	Pans to clean coal stockpile 3 (032)	1,000	8,760,000	0.0010	0	4.5	1.01	1.01	4.41	4.41
037A	Clean coal/raw coal stockpile 2 (037) pile grading (037A)	1,200	10,512,000	0.0008	0	5.5	0.91	0.91	3.99	3.99
038	Pans to clean coal/raw coal stockpile 2 (037)	1,200	10,512,000	0.0008	0	5.5	0.91	0.91	3.99	3.99
039	Pans reclaim from clean coal/raw coal stockpile 2 (037)	1,200	10,512,000	0.0008	0	5.5	0.91	0.91	3.99	3.99
040	Trucks to clean coal/raw coal stockpile 2 (037)	1,200	10,512,000	0.0008	0	5.5	0.91	0.91	3.99	3.99
041	Endloader to trucks	1,200	10,512,000	0.0008	0	5.5	0.91	0.91	3.99	3.99
042	Trucks to raw coal stockpile 1 (006)	1,200	10,512,000	0.0008	0	5.5	0.91	0.91	3.99	3.99
043	Pans to raw coal stockpile 1 (006)	1,200	10,512,000	0.0008	0	5.5	0.91	0.91	3.99	3.99
060	Conveyor (C4) to new wet wash preparation plant	2,800	15,768,000	0.0008	80	5.5	0.43	2.13	1.20	5.99
061	Conveyor (C16) to conveyor (C18) or conveyor (C9)	1,800	15,768,000	0.0007	80	6.0	0.24	1.21	1.06	5.30
062	Conveyor (C17) to conveyor (C18) or conveyor (C9)	1,800	0	0.0008	80	5.5	0.27	1.37	0.00	0.00
063	Conveyor (C18) to conveyor (C19) or clean coal silo 1 (017)	1,800	15,768,000	0.0007	80	6.0	0.24	1.21	1.06	5.30
064	Conveyor (C19) to clean coal silo 2 (069)	1,800	15,768,000	0.0007	80	6.0	0.24	1.21	1.06	5.30
065	Clean coal silo 2 (069) to conveyor 20 (C20)	4,000	15,768,000	0.0007	80	6.0	0.54	2.69	1.06	5.30
066	Conveyor (C20) to conveyor (C7A)	4,000	15,768,000	0.0007	80	6.0	0.54	2.69	1.06	5.30
067	Conveyor (C7A) to conveyor (C7)	4,000	15,768,000	0.0007	80	6.0	0.54	2.69	1.06	5.30
STP1	Conveyor (C7) to conveyor (SC1)	5	43,800	0.0007	80	6.0	0.00	0.00	0.00	0.01
STP2	Conveyor (SC1) to pulverizer (CR1)	5	43,800	0.0007	80	6.0	0.00	0.00	0.00	0.01
STP3	Pulverizer (CR1) to conveyor (SC2)	5	43,800	0.0007	80	6.0	0.00	0.00	0.00	0.01
STP4	Chute to conveyor (C7)	5	43,800	0.0007	80	6.0	0.00	0.00	0.00	0.01
068	Conveyor (C21) to conveyor (C11)	800	4,380,000	0.0006	80	6.5	0.10	0.48	0.26	1.32
					TOTAL PM		**37.16**	**101.90**	**94.30**	**228.07**
					TOTAL PM_{10}[c]		**17.58**	**48.20**	**44.60**	**107.87**
					TOTAL $PM_{2.5}$[d]		**2.66**	**7.30**	**6.75**	**16.33**

EMISSION FACTORS AND ASSUMPTIONS

a. Transfer Points (batch and continuous drop operation) - AP42, Section 13.2.4.3, Aggregate Handling and Storage Piles

Particulate (lb/ton) = $k*(0.0032)*(U/5)^{1.3} / (M/2)^{1.4}$

where: k = particle size multiplier (0.74 for TSP; 0.35 for PM10; 0.053 for PM2.5)
U = mean wind speed (@ 6.2 mph for all sources)
M = material moisture content (%)

b. Control efficiency for full and partial enclosure taken from application instructions for G10-D available from WVDEP.

c. Total PM_{10} Emissions = Total PM Emissions * (k_{PM10}/k_{PM})

d. Total $PM_{2.5}$ Emissions = Total PM Emissions * ($k_{PM2.5}/k_{PM}$)

Table I-3. Breaking and Crushing

POTENTIAL PROCESS DATA

A006A Capacity	1,000	tph	
A006A Capacity	3,942,000	tpy	
CR1 Capacity	5	tph	
CR1 Capacity	43,800	tpy	
Control Efficiency	80%		*Full Enclosure*

DIMENSIONAL ANALYSIS

Mass Conversion	2,000	lb/ton	*NIST SP1038*

EMISSION FACTORS

PM - Primary Crushing	0.02	lb/ton	*Air Pollution Engineering Manual and References*
PM_{10} - Primary Crushing	9.52E-03	lb/ton	*= PM Emission Factor / 2.1 (lbs PM/lbs PM_{10})*
$PM_{2.5}$ - Primary Crushing	1.43E-03	lb/ton	*= PM Emission Factor / 14 (lbs PM/lbs $PM_{2.5}$)*
PM - Secondary & Tertiary Crushing	0.06	lb/ton	*Air Pollution Engineering Manual and References*
PM_{10} - Secondary & Tertiary Crushing	2.86E-02	lb/ton	*= PM Emission Factor / 2.1 (lbs PM/lbs PM_{10})*
$PM_{2.5}$ - Secondary & Tertiary Crushing	4.29E-03	lb/ton	*= PM Emission Factor / 14 (lbs PM/lbs $PM_{2.5}$)*

EMISSIONS CALCULATIONS

Uncontrolled

	Potential Emissions - PM		***Potential Emissions - PM_{10}***		***Potential Emissions - $PM_{2.5}$***	
Crusher	***lb/hr*** [a]	***tpy*** [b]	***lb/hr*** [a]	***tpy*** [b]	***lb/hr*** [a]	***tpy*** [b]
A006A	20.00	39.42	9.52	18.77	1.43	2.82
CR1	0.30	1.31	0.14	0.63	0.02	0.09
TOTAL	**20.30**	**40.73**	**9.67**	**19.40**	**1.45**	**2.91**

[a] *Pollutant Emissions (lb/hr) = Crusher Capacity (tph) * Pollutant Emission Factor (lb/ton)*

[b] *Pollutant Emissions (tpy) = Crusher Capacity (tpy) * Pollutant Emission Factor (lb/ton) / 2,000 (lbs/ton)*

Controlled

	Potential Emissions - PM		***Potential Emissions - PM_{10}***		***Potential Emissions - $PM_{2.5}$***	
Crusher	***lb/hr*** [a]	***tpy*** [b]	***lb/hr*** [a]	***tpy*** [b]	***lb/hr*** [a]	***tpy*** [b]
A006A	4.00	7.88	1.90	3.75	0.29	0.56
CR1	0.06	0.26	0.03	0.13	4.29E-03	0.02
TOTAL	**4.06**	**8.15**	**1.93**	**3.88**	**0.29**	**0.58**

[a] *Pollutant Emissions (lb/hr) = Crusher Capacity (tph) * Pollutant Emission Factor (lb/ton) * (1-Control Efficiency (%))*

[b] *Pollutant Emissions (tpy) = Crusher Capacity (tpy) * Pollutant Emission Factor (lb/ton) / 2,000 (lbs/ton) * (1-Control Efficiency(%))*

Table I-4. Screening

POTENTIAL PROCESS DATA

A006 Capacity	4,000	tph	
A006 Capacity	15,768,000	tpy	
Control Efficiency	80%		*Full Enclosure*

DIMENSIONAL ANALYSIS

Mass Conversion	2,000	lb/ton	*NIST SP1038*

EMISSION FACTORS

PM	0.10	lb/ton	*Air Pollution Engineering Manual and References*
PM_{10}	4.76E-02	lb/ton	*= PM Emission Factor / 2.1 (lbs PM/lbs PM_{10})*
$PM_{2.5}$	7.14E-03	lb/ton	*= PM Emission Factor / 14 (lbs PM/lbs $PM_{2.5}$)*

EMISSIONS CALCULATIONS

Uncontrolled

	Potential Emissions - PM		***Potential Emissions - PM_{10}***		***Potential Emissions - $PM_{2.5}$***	
Screen	***lb/hr*** [a]	***tpy*** [b]	***lb/hr*** [a]	***tpy*** [b]	***lb/hr*** [a]	***tpy*** [b]
A006	400.00	788.40	190.48	375.43	28.57	56.31
TOTAL	**400.00**	**788.40**	**190.48**	**375.43**	**28.57**	**56.31**

[a] *Pollutant Emissions (lb/hr) = Screener Capacity (tph) * Pollutant Emission Factor (lb/ton)*

[b] *Pollutant Emissions (tpy) = Screener Capacity (tpy) * Pollutant Emission Factor (lb/ton) / 2,000 (lbs/ton)*

Controlled

	Potential Emissions - PM		***Potential Emissions - PM_{10}***		***Potential Emissions - $PM_{2.5}$***	
Screen	***lb/hr*** [a]	***tpy*** [b]	***lb/hr*** [a]	***tpy*** [b]	***lb/hr*** [a]	***tpy*** [b]
A006	80.00	157.68	38.10	75.09	5.71	11.26
TOTAL	**80.00**	**157.68**	**38.10**	**75.09**	**5.71**	**11.26**

[a] *Pollutant Emissions (lb/hr) = Screener Capacity (tph) * Pollutant Emission Factor (lb/ton) * (1-Control Efficiency (%))*

[b] *Pollutant Emissions (tpy) = Screener Capacity (tpy) * Pollutant Emission Factor (lb/ton) / 2,000 (lbs/ton) * (1-Control Efficiency (%))*

Table I-5. Dust Exhaust Fans

EMISSIONS CALCULATIONS

Uncontrolled

Source	Potential Emissions - PM		Potential Emissions - PM_{10}		Potential Emissions - $PM_{2.5}$	
	lb/hr [a]	tpy [b]	lb/hr [a]	tpy [b]	lb/hr [a]	tpy [b]
P002[a]	4.70	20.59	2.24	9.80	0.34	1.47
P003[b]	10.00	43.80	4.76	20.86	0.71	3.13
TOTAL	**14.70**	**64.39**	**7.00**	**30.66**	**1.05**	**4.60**

a. Dust exhaust fan, emission point P002, controls the conveyor to conveyor transfer of C9 to C10 on the overland conveyor belt system to Harrison Station. Emission rate based on source testing conducted on May 3-4, 1995.

b. Dust exhaust fan, emission point P003, controls the transfer of fine clean coal within the preparation plant. Emission rate based on source testing conducted on May 3-4, 1995.

Controlled

Source	Potential Emissions - PM		Potential Emissions - PM_{10}		Potential Emissions - $PM_{2.5}$	
	lb/hr [a]	tpy [b]	lb/hr [a]	tpy [b]	lb/hr [a]	tpy [b]
P002a	4.70	20.59	2.24	9.80	0.34	1.47
P003b	0.50	2.19	0.24	1.04	0.04	0.16
TOTAL	**5.20**	**22.78**	**2.48**	**10.84**	**0.37**	**1.63**

a. Dust exhaust fan, emission point P002, controls the conveyor to conveyor transfer of C9 to C10 on the overland conveyor belt system to Harrison Station. Emission rate based on source testing conducted on May 3-4, 1995.

b. Dust exhaust fan, emission point P003, controls the transfer of fine clean coal within the preparation plant. Emission rate based on source testing conducted on May 3-4, 1995.

Table I-6. Haulroads

$$E = k\,(s/12)^{a}(W/3)^{b}\,(365-P)/365$$

AP-42 Section 13.2.2, Equation 2 (November 2006)

DIMENSIONAL ANALYSIS

Mass Conversion	2,000	lb/ton	*NIST SP1038*

POTENTIAL VEHICLE PARAMETERS

Path	Roadway Length - Round Trip (miles/vehicle)[a]	Vehicle Traffic (trips/hr)	Vehicle Traffic (trips/year)	Mean Vehicle Wt. & Capacity (tons)
052 A/B - Raw Coal	0.50	5	37,543	29.50
052 C/D - Clean Coal	0.60	5	37,543	29.50
052 E/F - Refuse	2.20	25	134,769	48.13

OPERATING PARAMETERS

Potential VMT - Raw Coal	2.5	miles/hr	*= Roadway Length (miles/vehicle) * Vehicle Traffic (trips/hr)*
Potential VMT - Clean Coal	3.0	miles/hr	*= Roadway Length (miles/vehicle) * Vehicle Traffic (trips/hr)*
Potential VMT - Refuse	55.0	miles/hr	*= Roadway Length (miles/vehicle) * Vehicle Traffic (trips/hr)*
Potential VMT - Raw Coal	18,771.5	miles/year	*= Roadway Length (miles/vehicle) * Vehicle Traffic (trips/year)*
Potential VMT - Clean Coal	22,525.8	miles/year	*= Roadway Length (miles/vehicle) * Vehicle Traffic (trips/year)*
Potential VMT - Refuse	296,491.8	miles/year	*= Roadway Length (miles/vehicle) * Vehicle Traffic (trips/year)*
Silt Loading	10	%	
Number of Days w/ at least 0.01" of Precipitation (P)	157	days	*Consistent with G10-D application instructions*
Control Efficiency	70%		*Consistent with G10-D application instructions for use of a water truck on unpaved surfaces.*

EMISSION FACTORS

Pollutant

Particle Size Multiplier - PM (k)	4.9	lb/VMT	*AP-42 Section 13.2.2, Table 13.2.2-2 (11/06)*
Particle Size Multiplier - PM10 (k)	1.5	lb/VMT	*AP-42 Section 13.2.2, Table 13.2.2-2 (11/06)*
Particle Size Multiplier - PM2.5 (k)	0.15	lb/VMT	*AP-42 Section 13.2.2, Table 13.2.2-2 (11/06)*
Empirical Constant - PM, a	0.7		*AP-42 Section 13.2.2, Table 13.2.2-2 (11/06)*
Empirical Constant - $PM_{10}/PM_{2.5}$, a	0.9		*AP-42 Section 13.2.2, Table 13.2.2-2 (11/06)*
Empirical Constant - $PM/PM_{10}/PM_{2.5,}$ b	0.45		*AP-42 Section 13.2.2, Table 13.2.2-2 (11/06)*
PM Emission Factor - Raw/Clean Coal	6.87	lb/VMT	$E = k_{PM}\,(s/12)^{a}\,(W/3)^{b}$ x (365-P)/365
PM_{10} Emission Factor - Raw/Clean Coal	2.03	lb/VMT	$E = k_{PM10}\,(s/12)^{a}\,(W/3)^{b}$ x (365-P)/365
$PM_{2.5}$ Emission Factor - Raw/Clean Coal	0.20	lb/VMT	$E = k_{PM2.5}\,(s/12)^{a}\,(W/3)^{b}$ x (365-P)/365
PM Emission Factor - Refuse	8.57	lb/VMT	$E = k_{PM}\,(s/12)^{a}\,(W/3)^{b}$ x (365-P)/365
PM_{10} Emission Factor - Refuse	2.53	lb/VMT	$E = k_{PM10}\,(s/12)^{a}\,(W/3)^{b}$ x (365-P)/365
$PM_{2.5}$ Emission Factor - Refuse	0.25	lb/VMT	$E = k_{PM2.5}\,(s/12)^{a}\,(W/3)^{b}$ x (365-P)/365

Table I-6. Haulroads

$$E = k\,(s/12)^{a}(W/3)^{b}\,(365-P)/365$$

AP-42 Section 13.2.2, Equation 2 (November 2006)

EMISSIONS CALCULATIONS

Uncontrolled

Path	Potential Emissions - PM		Potential Emissions - PM_{10}		Potential Emissions - $PM_{2.5}$	
	lb/hr [a]	tpy [b]	lb/hr [a]	tpy [b]	lb/hr [a]	tpy [b]
052 A/B - Raw Coal	17.19	64.52	5.07	19.05	0.51	1.90
052 C/D - Clean Coal	20.62	77.43	6.09	22.85	0.61	2.29
052 E/F - Refuse	471.29	1270.30	139.11	374.94	13.91	37.49
TOTAL	**509.10**	**1412.25**	**150.27**	**416.84**	**15.03**	**41.68**

[a] *Potential uncontrolled Pollutant Emissions (lb/hr) = Potential Paved VMT (miles/hr) x Path Pollutant EF (lb/VMT)*

[a] *Potential uncontrolled Pollutant Emissions (tpy) = Potential Paved VMT (miles/yr) x Path Pollutant EF (lb/VMT) / 2,000 (lbs/ton)*

Controlled

Path	Potential Emissions - PM		Potential Emissions - PM_{10}		Potential Emissions - $PM_{2.5}$	
	lb/hr [a]	tpy [b]	lb/hr [a]	tpy [b]	lb/hr [a]	tpy [b]
052 A/B - Raw Coal	5.16	19.36	1.52	5.71	0.15	0.57
052 C/D - Clean Coal	6.19	23.23	1.83	6.86	0.18	0.69
052 E/F - Refuse	141.39	381.09	41.73	112.48	4.17	11.25
TOTAL	**152.73**	**423.67**	**45.08**	**125.05**	**4.51**	**12.51**

[a] *Potential controlled Pollutant Emissions (lb/hr) = Potential Paved VMT (miles/hr) x Path Pollutant EF (lb/VMT) * (1-Control Efficiency (%))*

[a] *Potential uncontrolled Pollutant Emissions (tpy) = Potential Paved VMT (miles/yr) x Path Pollutant EF (lb/VMT) / 2,000 (lbs/ton) * (1-Control Efficiency (%))*

Table I-7. Stockpiles

POTENTIAL PROCESS DATA

Raw Coal Stockpile 1 (006) Size	9.69	acres	
Clean Coal Stockpile 3 (032) Size	2.6	acres	
Clean Coal/Raw Coal Stockpile 2 (037) Size	4.8	acres	
Refuse Disposal Area (031) Size	244	acres	
Refuse Disposal Area Control Efficiency	75%		*Due to watering in accordance with application instructions for G10-D*
Clean/Raw Coal Stockpile Control Efficiency	50%		*Due to moisture content of stored material; assumed consistent with calculations for similar facilities*

DIMENSIONAL ANALYSIS

Mass Conversion	2,000	lb/ton	*NIST SP1038*
Time Conversion	365	days/yr	
Time Conversion	24	hrs/day	

EMISSION FACTORS

Silt Content (s)	5	%	
Precipitation Days (p)	157	days	*WV general permit G10-D emission calculation spreadsheet*
% of Time Wind Speed Exceeds 12 mph (f)	20	%	*WV general permit G10-D emission calculation spreadsheet*
PM Emission Factor	6.69	lb/day/acre	*E = (1.7) (s/1.5) [(365-p) / 235] (f/15); From Air pollution Engineering Manual and References*
PM_{10} Emission Factor	3.18	lb/day/acre	*= PM Emission Factor / 2.1 (lbs PM/lbs PM_{10})*
$PM_{2.5}$ Emission Factor	0.48	lb/day/acre	*= PM Emission Factor / 14 (lbs PM/lbs $PM_{2.5}$)*

EMISSIONS CALCULATIONS

Uncontrolled

	Potential Emissions - PM		***Potential Emissions - PM_{10}***		***Potential Emissions - $PM_{2.5}$***	
Pile	***lb/hr*** [a]	***tpy*** [b]	***lb/hr*** [a]	***tpy*** [b]	***lb/hr*** [a]	***tpy*** [b]
Raw Coal Stockpile 1 (006)	2.70	11.83	1.29	5.63	0.19	0.84
Clean Coal Stockpile 3 (032)	0.72	3.17	0.34	1.51	0.05	0.23
Clean Coal/Raw Coal Stockpile 2 (037)	1.34	5.86	0.64	2.79	0.10	0.42
Refuse Disposal Area (031)	67.99	297.79	32.38	141.81	4.86	21.27
TOTAL	**72.75**	**318.65**	**34.64**	**151.74**	**5.20**	**22.76**

[a] *Pollutant Emissions (lb/hr) = Pile Size (acres) * Pollutant Emission Factor (lb/day/acre) / 24 (hours/day)*

[a] *Pollutant Emissions (lb/hr) = Pile Size (acres) * Pollutant Emission Factor (lb/day/acre) * 365 (days/year) / 2,000 (lbs/ton)*

Controlled

	Potential Emissions - PM		***Potential Emissions - PM_{10}***		***Potential Emissions - $PM_{2.5}$***	
Pile	***lb/hr*** [a]	***tpy*** [b]	***lb/hr*** [a]	***tpy*** [b]	***lb/hr*** [a]	***tpy*** [b]
Raw Coal Stockpile 1 (006)	1.35	5.91	0.64	2.82	0.10	0.42
Clean Coal Stockpile 3 (032)	0.36	1.59	0.17	0.76	0.03	0.11
Clean Coal/Raw Coal Stockpile 2 (037)	0.67	2.93	0.32	1.39	0.05	0.21
Refuse Disposal Area (031)	17.00	74.45	8.09	35.45	1.21	5.32
TOTAL	**19.38**	**84.88**	**9.23**	**40.42**	**1.38**	**6.06**

[a] *Pollutant Emissions (lb/hr) = Pile Size (acres) * Pollutant Emission Factor (lb/day/acre) / 24 (hours/day) * (1-Pile Control Efficiency (%))*

[a] *Pollutant Emissions (lb/hr) = Pile Size (acres) * Pollutant Emission Factor (lb/day/acre) * 365 (days/year) / 2,000 (lbs/ton) * (1-Pile Control Efficiency (%))*