POCAHONTAS COAL COMPANY LLC

AFFINITY PREPARATION PLANT FACILITY ID NUMBER: 081-00243

MODIFICATION APPLICATION #3 DIVISION OF AIR QUALITY

Submittal Date: December 2015

 312 Justice Avenue
 Phone (304) 752-8320

 Logan, WV 25601
 Fax (304) 752-7488

December 3, 2015

Mr. William F. Durham
Division of Air Quality
601 57th Street
Charleston, WV 25304-2345

Re: Pocahontas Coal Company LLC
Affinity Preparation Plant Facility
Facility ID No. 081-00243 G10-C118C

Dear Mr. Durham:

On behalf of our client, Pocahontas Coal Company LLC, I am submitting the attached Modification Application for the above-mentioned facility. The submittal fee check in the amount of \$1,500 and two additional application copies are also included.

The application addresses modifying the facility to actual as-built; delete RC silo; change in controls on crusher and screen; increasing storage; delete BC-05, BC-07, BC-08; change crusher from breaker to Jeffery DR; and changes to truck traffic.

If additional information or clarification is needed, please contact me at the Logan address listed above or call 304-752-8320.

Sincerely,

Donna J. Toler Air Quality Project Manager donnatoler@suddenlink.net

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WVDAQ Registration Application

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WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF AIR QUALITY

601 - 57th Street

APPLICATION FOR GENERAL PERMIT REGISTRATION

CONSTRUCT, MODIFY, RELOCATE OR

SEMMER LINE	Charleston, WV 25304 Phone: (304) 926-0475 • www.wvdep.org	A STAT	ADMINISTRATIVELY UPDATE IONARY SOURCE OF AIR POLLUTANTS
□ CONSTRUC	CHECK ALL THAT APPLY (IF KNOWN): CTION MODIFICATION PRELOCATION STRATIVE UPDATE PAFTER-THE-FACT	FOR AGENC	Y USE ONLY: PLANT I.D. # PERMIT WRITER:
	CHECK WHICH TYPE OF GENERAL PERMIT	REGISTRATION	YOU ARE APPLYING FOR:
G10-C – Coal F	Preparation and Handling	☐ G65B – Clas	ss I Emergency Generator
☐ G20-B – Hot M	lix Asphalt		
☐ G30-B – Natura	al Gas Compressor Stations		
☐ G40-B – Nonm	etallic Minerals Processing		
□ G50-B – Con	crete Batch		
□	ass II Emergency Generator		
	SECTION I. GENER	AL INFORMATIO	N
	CAS COAL COMPANY, LLC	ATE'S OFFICE):	2. FEDERAL EMPLOYER ID NO. (FEIN): 26-0128639
3. APPLICANT'S N	MAILING ADDRESS: 109 APPALAO BECKLEY, V		Έ
	ICANT IS A SUBSIDIARY CORPORATION, PLEASE PR	OVIDE THE NAM	E OF PARENT CORPORATION:
➪ IN	REGISTRATION. IS THE APPLICANT A RESIDENT OF IF YES, PROVIDE A COPY OF THE CERTIFICATE OF PAGE) INCLUDING ANY NAME CHANGE AMENDMI NO, PROVIDE A COPY OF THE CERTIFICATE OF AU ICLUDING ANY NAME CHANGE AMENDMENTS OR OF REE ATTACHMENT A	INCORPORATION ENTS OR OTHER THORITY / AUTH	ON / ORGANIZATION / LIMITED PARTNERSHIP (ONE R BUSINESS CERTIFICATE AS ATTACHMENT A. HORITY OF L.L.C. / REGISTRATION (ONE PAGE)

SECTION II. FACILITY INFORMATION

7. TYPE OF PLANT OR FACILITY (STATIONARY SOURCE) TO BE CONSTRUCTED, MODIFIED, RELOCATED OR ADMINISTRATIVELY UPDATED (E.G., COAL PREPARATION PLANT, PRIMARY CRUSHER, ETC.):

Modifying facility to actual as-built; delete RC silo; change in controls on crusher and screen; increasing storage; delete BC-05, BC-07, BC-08; change crusher from breaker to Jeffery DR; changes to truck traffic

11A. NAME OF PRIMARY OPERATING SITE:

AFFINITY PREPARATION PLANT

8. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE FOR THE FACILITY:

1222

9A. DAQ PLANT I.D. NO. (FOR AN EXISTING FACILITY:	10A. LIST ALL CURRENT 45CSR13 AND 45CSR30 (TITLE V) PERMIT NUMBERS ASSOCIATED WITH THIS PROCESS (FOR EXISTING FACILITY ONLY):
081-000243	G10-C118C

PRIMARY OPERATING SITE INFORMATION

12A. MAILING ADDRESS OF PRIMARY OPERATING SITE:

FACILITY								
I3A. DOES THE APPLICANT OWN, LEASE, HAVE AN OPTION TO BUY, OR OTHERWISE HAVE CONTROL OF THE <i>PROPOSED SITE</i> ? YES □ NO								
□ IF YES, PLEASE EXPLAIN: OWNER/C	□ IF YES, PLEASE EXPLAIN: OWNER/OPERATOR							
☐ IF NO , YOU ARE NOT ELIGIBLE FOR A PE	ERMIT FOR THIS SOURCE.							
14A. □ FOR MODIFICATIONS or ADMINISTRA PRESENT LOCATION OF THE FACIL	ATIVE UPDATES, AT AN EXISTING FACILITY, PITY FROM THE NEAREST STATE ROAD;	LEASE PROVIDE DIRECTIONS TO THE						
FOR CONSTRUCTION OR RELOCATION FROM THE NEAREST STATE ROAD.	ON PERMITS, PLEASE PROVIDE DIRECTIONS	TO THE PROPOSED NEW SITE LOCATION						
I-77 toward Beckley, take WV-16 Robert C. Byrd Drive exit 42, toward WV-97/Sophia, Merge onto WV16 toward WV-97, turn left onto Midway Road/CR-16/14 old WV-16, turn left onto Affinity Rd. CR-1/29 and follow to plant site. INCLUDE A MAP AS ATTACHMENT F. SEE ATTACHMENT F								
15A. NEAREST CITY OR TOWN:	16A. COUNTY:							
Midway	Midway RALEIGH COUNTY							
17A. UTM NORTHING (KM):	18A. UTM EASTING (KM):	19A. UTM ZONE:						
4173.8794	480.0951	47						

1ST ALTERNATE OPERATING SITE INFORMATION

11B. NAME OF PRIMARY OPERATING SITE:	12B. MAILING ADDRESS OF PRIMARY OPERATING SITE:					
13B. DOES THE APPLICANT OWN, LEASE, HA	 VE AN OPTION TO BUY, OR OTHERWISE HAVE	E CONTROL OF THE PROPOSED SITE?				
□ YES □ NO						
☐ IF YES, PLEASE EXPLAIN:						
4. IE NO VOLLADE NOT ELICIDI E EOD A D						
□ IF NO , YOU ARE NOT ELIGIBLE FOR A P	ERMIT FOR THIS SOURCE.					
14B. □ FOR MODIFICATIONS or ADMINISTRA PRESENT LOCATION OF THE FACIL	ATIVE UPDATES, AT AN EXISTING FACILITY, F LITY FROM THE NEAREST STATE ROAD;	PLEASE PROVIDE DIRECTIONS TO THE				
FOR CONSTRUCTION OR RELOCATI	ON PERMITS, PLEASE PROVIDE DIRECTIONS	TO THE PROPOSED NEW SITE LOCATION				
INCLUDE A MAP AS ATTACHMENT F.						
15B. NEAREST CITY OR TOWN:	16B. COUNTY:					
17B. UTM NORTHING (KM):	18B. UTM EASTING (KM):	19B. UTM ZONE:				
` '	, ,					

2ND ALTERNATE OPERATING SITE INFORMATION

11C. NAME OF PRIMARY OPERATING SITE: 12C. MAILING ADDRESS OF PRIMARY OPERATING SITE:					
13C. DOES THE APPLICANT OWN, LEASE, HAVE \square YES \square NO		CONTROL OF THE PROPOSED SITE?			
□ IF YES, PLEASE EXPLAIN: □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □					
➡ IF NO , YOU ARE NOT ELIGIBLE FOR A PE	ERMIT FOR THIS SOURCE.				
14C. ➡ FOR MODIFICATIONS or ADMINISTRA PRESENT LOCATION OF THE FACIL	ATIVE UPDATES, AT AN EXISTING FACILITY, PITY FROM THE NEAREST STATE ROAD;	LEASE PROVIDE DIRECTIONS TO THE			
	ON PERMITS, PLEASE PROVIDE DIRECTIONS	TO THE PROPOSED NEW SITE LOCATION			
INCLUDE A MAP AS ATTACHMENT F.					
15C. NEAREST CITY OR TOWN:	16C. COUNTY:				
17C. UTM NORTHING (KM):	18C. UTM EASTING (KM):	19C. UTM ZONE:			
		1			
		21. DATE OF ANTICIPATED			
20. PROVIDE THE DATE OF ANTICIPATED INST	ALLATION OR CHANGE: Upon Approva	START- UP IF REGISTRATION IS GRANTED:			
☐ IF THIS IS AN AFTER-THE-FACT PERM	IT APPLICATION, PROVIDE SED CHANGE DID HAPPEN://				
22. PROVIDE MAXIMUM PROJECTED OPERAT I		Upon Approval			
HOURS PER DAY 24 DAYS PE	R WEEK 7 WEEKS PER YEAR 52 PERCEN	TAGE OF OPERATION 100%			

DETAILED PROCESS DESCRIPTION

Raw coal will be received from an adjacent deep mine and transferred to open stockpile OS-01(SW-WS) via belt conveyors BC-01(PE) and BC-02(PE) @ TP-01(TC-FE) thru TP-03(TC-PE). A dozer will be employed to push material to/from the excess stockpile area identified as OS-03(SW-WS) @ TP-04(UL-MDH) and OS-06(LO-MDH). Incoming truck material will be dumped at TP-05(UL-MDH). Belt conveyor BC-03(PE) will reclaim from OS-01/OS-03 stockpile area @ TP-07(LO-UC) and send coal to the crusher/screening building via belt BC-04(PE) @ TP-08(TC-FE) and TP-09(TC-PW). From the scalping screen SS-01(PW), 2x0 coal will transfer directly onto belt BC-06(PE) @ TP-11(TC-PW), while +2x0 coal will be transferred to crusher CR-01(FW) @ TP-12(TC-PW), then to belt BC-06 @ TP-13(TC-FE). Screen rock reject will be sent via chute to refuse belt BC-20(PE) @ TP-10(TC-PW). Belt conveyor BC-06 will feed raw coal silo #1 BS-01(FE) @ TP-14(TC-FE). Silo BS-01 will reclaim underbin to belt BC-09(PE) @ TP-15(LO-UC). Belt BC-09 will transfer to the wet wash plant @ TP-16(TC-FW).

Clean coal will transfer @ TP-17(TC-FW) to belt BC-10(PE); to belt conveyor BC-21(PE) and to the clean coal stockpile OS-02(SW-WS) via belt BC-11(PE) @ TP-18(TC-FE), TP-19(TC-PE), and TP-20(TC-PE).

The stacking tube associated with OS-02 will accommodate 50,000 tons of coal and as the dozer pushes the material out, the excess stockpile will have the potential of storing another 50,000 tons. The

excess clean coal area is identified as OS-04(SW-WS) @ TP-21(UL-MDH) and TP-27(LO-MDH).

Belt BC-11 will also transfer clean coal to belt conveyor BC-12(PE) @ TP-22(TC-FE) which will feed the clean coal silo BS-03(FE) @ TP- 23 (TC-FE); belt BC-12 will transfer to BC-13(PE) @ TP-24(TC-FE) which will feed BS-04(FE) @ TP-25(TC-FE). Stockpile OS-02/OS-04 will reclaim underpile to belt BC-16(PE) @ TP-28(LO-UC). Silo BS-03 will reclaim underbin @ TP-29(LO-UC) to loadout belt #1 BC-16(PE), while BS-04 will transfer underbin @ TP-30(LO-UC) to belt BC-15(PE) and transfer to belt BC-16 @ TP-31(TC-FE). Coal from loadout belt BC-16 will transfer to loadout belt BC-17(PE) @ TP-32(TC-FE) @ and to the batch weigh system @ TP-33(TC-FE). The batch weigh system consists of the surge bin BS-05(FE) which transfers to the loadout bin BS-06(FE) @ TP-34(TC-FE) and to railcar @ TP-35(LR-TC). Clean coal will load out to truck at TP-26(LO-MDH).

Refuse will transfer from the plant to belt BC-18(PE) @ TP-36(TC-FW), which will transfer to belt BC-20(PE) @ TP-37(TC-FE). Belt BC-20 transfers to the refuse bin BS-07(FE) @ TP-38(TC-FE), which discharge to truck @ TP-39(LO-MDH) for delivery to the disposal area @ TP-40(UL-MDH).

DESCRIPTION OF FUGITIVE EMISSIONS

Potential sources of fugitive particulate emissions for this facility include emissions, which are not captured by pollution control equipment and emissions from open stockpiles and vehicular traffic on unpaved haulroads and work areas. The haulroads and work areas will be controlled by water truck in accordance with section E.6.c.i. of the General Permit.

The water truck is equipped with pumps sufficient to maintain haulroads and work areas. The water truck will be operated three times daily, and more as needed in dry periods.

An additive to prevent freezing will be utilized in the winter months when freezing conditions are present.

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CRUSHING AND SCREENING AFFECTED SOURCE SHEET

		AND CONE	 	
Source Identification Number ¹		SS-01		
Type of Crus	sher or Screen ²	Scalping Screen		
Date of M	lanufacture ³	2010		
Maximum	tons/hour	800		
Throughput ⁴	tons/year	7,008,000		
Material si	zed from/to:5	6x0		
Average Moist	ure Content (%)6	6		
Control Devi	ce ID Number ⁷	PW		
	height (ft)	N/A		
	diameter (ft)			
	volume (ACFM)			
Baghouse	exit temp (°F)			
Stack Parameters ⁸	UTM Coordinates			
	hours/day	24		
Maximum Operating	days/year	365		
Schedule ⁹	hours/year	8760		
	January-March	25		
	April-June	25		
Percentage of	July- September	25		
Operation ¹⁰	Oct-December	25		

- 1. Enter the appropriate Source Identification Number for each crusher and screen. For example, in the case of an operation which incorporates multiple crushers, the crushers should be designated CR-1, CR-2, CR-3 etc. beginning with the breaker or primary crusher. Multiple screens should be designated S-1, S-2, S-3 etc.
- 2. Describe types of crushers and screens using the following codes:

HM Hammermill

DR Double Roll Crusher

BM Ball Mill

RB Rotary Breaker

JC Jaw Ćrusher

GC Gyratory Crusher

OT Other

SS Stationary Screen

SD Single Deck Screen

DD Double-Deck Screen

TD Triple Deck Screen

OT Other

- 3. Enter the date that each crusher and screen was manufactured.
- 4. Enter the maximum throughput for each crusher and screen in tons per hour and tons per year.
- 5. Describe the nominal material size reduction (e.g. +2"/ -_").
- 6. Enter the average percent moisture content of the material processed.
- 7. Enter the appropriate Control Device Identification Number for each crusher and screen. Refer to Table A Control Device Listing and Control Device Identification Number Instructions in the Reference Document for Control Device ID prefixes and numbering.
- 8. Enter the appropriate stack parameters if a baghouse control device is used.
- 9. Enter the maximum operating schedule for each crusher

CRUSHING AND SCREENING AFFECTED SOURCE SHEET

		AITO COILL	 	 = - 1
Source Identification Number ¹		CR-01		
Type of Crus	sher or Screen ²	Jeffery 45 DR		
Date of M	lanufacture ³	2010		
Maximum	tons/hour	700		
Throughput ⁴	tons/year	6,132,000		
Material si	zed from/to:5	+2x0		
Average Moist	ure Content (%)6	6		
Control Devi	ce ID Number ⁷	FW		
	height (ft)	N/A		
	diameter (ft)			
	volume (ACFM)			
Baghouse	exit temp (°F)			
Stack Parameters ⁸	UTM Coordinates			
	hours/day	24		
Maximum Operating	days/year	365		
Schedule ⁹	hours/year	8760		
	January-March	25		
	April-June	25		
Percentage of	July- September	25		
Operation ¹⁰	Oct-December	25		

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CONVEYING AFFECTED SOURCE SHEET

Source	Date of	Type of			m Material er Rate ⁵	Average Moisture Content (%) ⁶	Control Device
Identification Number ¹	Manufacture/ Modification ²	Material Handled ³	Material Handled ⁴	tons/hour	tons/year		
ROM BC-01	2010	RC	6x0	1200	10,512,000	6	PE
OS-01 Feed							
BC-02	2010	RC	6x0	1200	10,512,000	6	PE
OS-01 Reclaim BC-03	2010	RC	6x0	800	7,008,000	6	PE
Screen Feed	2010	NO .	UAU .	000	7,000,000		
BC-04	2010	RC	6x0	800	7,008,000	6	PE
Screen Discharge BC-05	Deleted						
Silo Feed BC-06	2010	RC	2x0	700	6,132,000	6	PE
Silo Feed BC-07	Deleted						
Silo # 2 Reclaim BC-08	Deleted						
Plant Feed BC-09	2010	СС	2x0	700	6,132,000	6	PE
Plant Clean BC-10	2010	CC	2x0	400	3,504,000	7	PE
CC Transfer BC-11	2010	СС	2x0	400	3,504,000	7	PE
Silo Feed BC-12	2010	СС	2x0	400	3,504,000	7	PE
Silo Feed BC-13	2010	СС	2x0	400	3,504,000	7	PE
Chain BC-14	Deleted						
Silo Reclaim BC-15	2010	СС	2x0	6000	3,504,000	7	PE

Source Identification	Date of Manufacture/	Type of Material	Size of Material		Maximum Material Transfer Rate⁵		Control Device
Loadout							
BC-16	2010	СС	2x0	6000	3,504,000	7	PE
Loadout							
BC-17	2010	CC	2x0	6000	3,504,000	7	PE
Refuse							
BC-18	2010	Refuse	-1 3/8	400	3,504,000	10	PE
Press Refuse							
BC-19	Deleted						
Refuse							
BC-20	2010	Refuse	-1 3/8	400	3,504,000	10	PE
CC Transfer							
BC-21	2011	CC	2x0	400	3,504,000	7	PE

Source Identification Number ¹	Silo BS-01	Silo BS-02	Silo BS-03	Silo BS-04	Surge BS-05	Loadout BS-06
Type of Material Stored ²	RC	Deleted	СС	СС	СС	СС
Average Moisture Content (%) ³	6		7	7	7	7
Maximum Yearly Storage Throughput (tons) ⁴	6,132,000		3,504,000	3,504,000	3,504,000	3,504,000
Maximum Storage Capacity (tons) ⁵	6000		10,000	6000	200	150
Maximum Base Area (ft²)6						
Maximum Pile Height (ft) ⁷						
Method of Material Load-in ⁸	SS		SS	SS	SS	SS
Load-in Control Device Identification Number ⁹	TC-FE		TC-FE	TC-FE	TC-FE	TC-FE
Storage Control Device Identification Number ⁹	SW-FE		SW-FE	SW-FE	SW-FE	SW-FE
Method of Material Load-out ⁸	SS		SS	SS	Enc. Chute	тс
Load-out Control Device Identification Number ⁹	LO-UC		LO-UC	LO-UC	TC-FE	LR-TC

Enter the appropriate Source Identification Number for each storage activity using the following codes. For example, if the facility utilizes three
storage bins, four open stockpiles and one storage building (full enclosure), the Source Identification Numbers should be BS-1, BS-2, and BS3; OS-1, OS-2, OS-3, and OS-4; and SB-1, respectively.

BS Bin or Storage Silo (full enclosure)

E3 Enclosure (three sided enclosure)

OS Open Stockpile

SB Storage Building (full enclosure)

SF Stockpiles with wind fences

- OT Other: Pressurized Truck
- 2. Describe the type of material stored or stockpiled (e.g. clean coal, raw coal, refuse, etc).
- 3. Enter the average percent moisture content of the stored material.
- 4. Enter the maximum yearly storage throughput for each storage activity.
- 5. Enter the maximum storage capacity for each storage activity in tons (e.g. silo capacity, maximum stockpile size, etc.)
- 6. For stockpiles, enter the maximum stockpile base area.
- 7. For stockpiles, enter the maximum stockpile height.
- 8. Enter the method of load-in or load-out to/from stockpiles or bins using the following codes:
 - CS Clamshell SS Stationary Conveyor/Stacker
 - FC Fixed Height Chute from Bins ST Stacking Tube
 - FE Front Endloader TC Telescoping Chute from Bins MC Mobile Conveyor/Stacker TD Truck Dump
 - UC Under-pile or Under-Bin Reclaim Conveyor PC Pneumatic Conveyor/Stacker
 - RC Rake or Bucket Reclaim Conveyor OT Other

Source Identification Number ¹	BS-07			
Type of Material Stored ²	Refuse			
Average Moisture Content (%) ³	10			
Maximum Yearly Storage Throughput (tons) ⁴	3,504,000			
Maximum Storage Capacity (tons) ⁵	200			
Maximum Base Area (ft²) ⁶				
Maximum Pile Height (ft) ⁷				
Method of Material Load-in ⁸	SS			
Load-in Control Device Identification Number ⁹	TC-FE			
Storage Control Device Identification Number ⁹	SW-FE			
Method of Material Load-out ⁸	Fixed Chute			
Load-out Control Device Identification Number ⁹	LO-MDH			

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BS Bin or Storage Silo (full enclosure)

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SB Storage Building (full enclosure)

SF Stockpiles with wind fences

OT Other : Pressurized Truck

- 2. Describe the type of material stored or stockpiled (e.g. clean coal, raw coal, refuse, etc).
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- 7. For stockpiles, enter the maximum stockpile height.
 - Enter the method of load-in or load-out to/from stockpiles or bins using the following codes:

CS Clamshell SS Stationary Conveyor/Stacker

FC Fixed Height Chute from Bins ST Stacking Tube

E Front Endloader TC Telescoping Chute from Bins

MC Mobile Conveyor/Stacker TD Truck Dump

UC Under-pile or Under-Bin Reclaim Conveyor PC Pneumatic Conveyor/Stacker

RC Rake or Bucket Reclaim Conveyor OT Other

Source Identification Number ¹	OS-01	OS-02	OS-03	OS-04	
Type of Material Stored ²	RC	СС	RC	СС	
Average Moisture Content (%) ³	6	7	6	7	
Maximum Yearly Storage Throughput (tons) ⁴	10,512,000	3,504,000	5,256,000	1,752,000	
Maximum Storage Capacity (tons) ⁵	50,000	50,000	70,000	50,000	
Maximum Base Area (ft²) ⁶	88,869	88,869	108,869	88,869	
Maximum Pile Height (ft) ⁷	75'	75'	75'	75'	
Method of Material Load-in ⁸	SS	SS	Dozer Push	Dozer Push	
Load-in Control Device Identification Number ⁹	TC-PE	TC-PE	UL-MDH	UL-MDH	
Storage Control Device Identification Number9	SW-WS	SW-WS	SW-WS	SW-WS	
Method of Material Load-out ⁸	SS	SS	Dozer Push	Dozer Push	
Load-out Control Device Identification Number ⁹	LO-UC	LO-UC	LO-MDH	LO-MDH	

Enter the appropriate Source Identification Number for each storage activity using the following codes. For example, if the facility utilizes three storage bins, four open stockpiles and one storage building (full enclosure), the Source Identification Numbers should be BS-1, BS-2, and BS-3; OS-1, OS-2, OS-3, and OS-4; and SB-1, respectively.

Bin or Storage Silo (full enclosure) BS os

E3 Enclosure (three sided enclosure) Storage Building (full enclosure) SB

Open Stockpile

OT OtheR

SF Stockpiles with wind fences

- Describe the type of material stored or stockpiled (e.g. clean coal, raw coal, refuse, etc).
- Enter the average percent moisture content of the stored material.
- Enter the maximum yearly storage throughput for each storage activity.
- Enter the maximum storage capacity for each storage activity in tons (e.g. silo capacity, maximum stockpile size, etc.)
- For stockpiles, enter the maximum stockpile base area. 6.
 - For stockpiles, enter the maximum stockpile height.
- Enter the method of load-in or load-out to/from stockpiles or bins using the following codes: 8.

Fixed Height Chute from Bins FC

Stationary Conveyor/Stacker

Front Endloader FΕ

Stacking Tube ST

Telescoping Chute from Bins TC

Mobile Conveyor/Stacker MC

TD Truck Dump

Under-pile or Under-Bin Reclaim Conveyor UC

Pneumatic Conveyor/Stacker

Rake or Bucket Reclaim Conveyor

Source Identification Number ¹	OS-01	OS-02	OS-03	OS-04	
Type of Material Stored ²	RC	СС	RC	СС	
Average Moisture Content (%) ³	6	7	6	7	
Maximum Yearly Storage Throughput (tons) ⁴	10,512,000	3,504,000	5,256,000	1,752,000	
Maximum Storage Capacity (tons) ⁵	50,000	50,000	70,000	50,000	
Maximum Base Area (ft²) ⁶	88,869	88,869	108,869	88,869	
Maximum Pile Height (ft) ⁷	75'	75'	75'	75'	
Method of Material Load-in ⁸	SS	SS	Dozer Push	Dozer Push	
Load-in Control Device Identification Number ⁹	TC-PE	TC-PE	UL-MDH	UL-MDH	
Storage Control Device Identification Number9	SW-WS	SW-WS	SW-WS	SW-WS	
Method of Material Load-out ⁸	SS	SS	Dozer Push	Dozer Push	
Load-out Control Device Identification Number ⁹	LO-UC	LO-UC	LO-MDH	LO-MDH	

Enter the appropriate Source Identification Number for each storage activity using the following codes. For example, if the facility utilizes three storage bins, four open stockpiles and one storage building (full enclosure), the Source Identification Numbers should be BS-1, BS-2, and BS-3; OS-1, OS-2, OS-3, and OS-4; and SB-1, respectively.

Bin or Storage Silo (full enclosure) BS os

E3 Enclosure (three sided enclosure) Storage Building (full enclosure) SB

Open Stockpile

OT OtheR

SF Stockpiles with wind fences

- Describe the type of material stored or stockpiled (e.g. clean coal, raw coal, refuse, etc).
- Enter the average percent moisture content of the stored material.
- Enter the maximum yearly storage throughput for each storage activity.
- Enter the maximum storage capacity for each storage activity in tons (e.g. silo capacity, maximum stockpile size, etc.)
- For stockpiles, enter the maximum stockpile base area. 6.
 - For stockpiles, enter the maximum stockpile height.
- Enter the method of load-in or load-out to/from stockpiles or bins using the following codes: 8.

Fixed Height Chute from Bins FC

Stationary Conveyor/Stacker

Front Endloader FΕ

Stacking Tube ST

Telescoping Chute from Bins TC

Mobile Conveyor/Stacker MC

TD Truck Dump

Under-pile or Under-Bin Reclaim Conveyor UC

Pneumatic Conveyor/Stacker

Rake or Bucket Reclaim Conveyor

ATTACHMENT H

BAGHOUSE AIR POLLUTION CONTROL DEVICE SHEET Not applicable for this facility

Complete a Baghouse Air Pollution Control Device Sheet for each baghouse control device.

1.	Baghouse Control Device Identification Number:
2.	Manufacturer's name and model identification:
3.	Number of compartments in baghouse:
4.	Number of compartments online during normal operation and conditions:
5.	Gas flow rate into baghouse: ACFM @ °F and PSIA
6.	Total cloth area: ft ²
7.	Operating air to cloth ratio: ft/min
8.	Filter media type:
9.	Stabilized static pressure drop across baghouse: inches H ₂ O
10.	Baghouse operation is: □ Continuous □ Automatic □ Intermittent
11.	Method used to clean bags:
	☐ Shaker ☐ Pulse jet ☐ Reverse jet ☐ Other
12.	Emission rate of particulate matter entering and exiting baghouse at maximum design operating conditions:
	Entering baghouse: lb/hr and grains/ACF
	Exiting baghouse: lb/hr and grains/ACF
13.	Guaranteed minimum baghouse collection efficiency: %
14.	Provide a written description of the capture system (e.g. hooding and ductwork arrangement), size of ductwork and hoods and air volume, capacity and operating horsepower of fan:

15. Describe the method of disposal for the collected material:

AIR QUALITY PERMIT NOTICE Notice of Application

Notice is given that Pocahontas Coal Company LLC has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a General Permit Modification at a coal preparation plant located off Route CR-1/29 near Midway in Raleigh County, West Virginia. The facility coordinates are as follows: Longitude –81.225833 Latitude 37.711944.

The applicant estimates the decrease in the potential to discharge the following Regulated Air Pollutants will be: particulate matter baseline emissions of 49 tons per year, point source emissions particulate matter less than 10 microns total of 23 tons per year, and controlled facility emissions total of 62 tons per year.

Startup of operation is planned to begin upon permit approval. Written comments will be received by the West Virginia Department of Environmental Protection, Division of Air Quality, 601 57th Street, SE, Charleston, WV 25304, for at least 30 calendar days from the date of publication of this notice.

Any questions regarding this permit application should be directed to the DAQ at (304) 926-0499, extension 1250, during normal business hours.

Dated this the 8th day of April, 2011

By: Pocahontas Coal Company LLC
John McNew
Authorized Agent
109 Appalachian Drive
Beckley, WV 25801

ELECTRONIC SUBMITTAL DISK LOCATED IN ORIGINAL COPY ONLY

SECTION III. ATTACHMENTS AND SUPPORTING DOCUMENTS

PLEASE CHECK ALL ATTACHMENTS INCLUDED WITH THIS PERMIT APPLICATION:

Please See the appropriate reference document for an explanation of the attachments listed below.

ATTACHMENT A: CURRENT BUSINESS CERTIFICATE

ATTACHMENT B: PROCESS DESCRIPTION

ATTACHMENT C: DESCRIPTION OF FUGITIVE EMISSIONS

ATTACHMENT D: PROCESS FLOW DIAGRAM

ATTACHMENT E: PLOT PLAN
ATTACHMENT F: AREA MAP

ATTACHMENT G: AFFECTED SOURCE SHEETS

ATTACHMENT H: BAGHOUSE AIR POLLUTION CONTROL DEVICE SHEET

ATTACHMENT I: EMISSIONS CALCULATIONS

ATTACHMENT J: CLASS I LEGAL ADVERTISEMENT

ATTACHMENT K: ELECTRONIC SUBMITTAL DISKETTE

CERTIFICATION OF INFORMATION

APPLICATION FEE

PLEASE MAIL AN ORIGINAL AND TWO COPIES OF THE COMPLETE GENERAL PERMIT REGISTRATION APPLICATION WITH THE SIGNATURE(S) TO THE DAQ PERMITTING SECTION AT THE ADDRESS SHOWN ON THE FRONT PAGE. PLEASE DO NOT FAX PERMIT APPLICATIONS. FOR QUESTIONS REGARDING APPLICATIONS OR WEST VIRGINIA AIR POLLUTION RULES AND REGULATIONS PLEASE CALL (304) 926-0475.

UTS							Page
ude all information f	or each emission source and		Name of ap	plicant:	Pocah	ontas Coal Co.	_
sfer point as listed in	n the permit application.		Name of pla	ant:		ity Prep Plant	
					Nov-15		
1a. PRIMARY Primary Crusher		Maximu	m Material	Control Device	Control Efficiency		
ID Number	Description	TPH	ng Capacity	ID Number	- 1		
CR-01	Crusher	700	6,132,000	FW	90		
15. \$24.70000							
	RY AND TERTIARY CRUSHING			Castrol	Cantral		
1b. SECUNDA Secondary & Tertiary	RY AND IERHARY CRUSHING Description		m Material	Control Device	Control Efficiency		

1c. SCREENING

Secondary & Tertiary Crusher ID	Description	Maximum Material Processing Capacity		Control Device ID Number	Control Efficiency %
SS-01	Scalping	800	7,008,000	PW	80

2. TRANSFER POINTS (including all conveyor transfer points, equipment transfer points etc.)

/ PM-10

k =	Particle Size Multiplier (dimensionless)	0.74	0.35
U =	Mean Wind Speed (mph)	7	

Tank	Tarantas Daint Donnist Co.	M-4 - 2 - 1	<u> </u>	4	0	0	1
Transfer Point	Transfer Point Description Include ID Numbers of all conveyors,	Material Moisture		Maximum ansfer Rate	Control Device	Control Efficiency	
ID No.	crushers, screens, stockpiles, etc. involved	Content %	TPH	TPY	ID Number	%	
			•				
TP01	ROM to BC-01	6	1,200	10,512,000	TC-FE	80 80	
TP02 TP03	BC-01 to BC-02 BC-02 to OS-01	6	1,200 1,200	10,512,000	TC-FE TC-PE	50	
TP04	OS-01 to OS-03	6	600	5,256,000	UL-MDH	0	dozer push
TP05	Truck to OS-03	6	50	438,000	ULMDH	0	dozor paori
TP06	OS-03 to OS-01	6	600	5,256,000	LO-MDH	0	dozer push
TP07	OS-01 to BC-03	6	800	7,008,000	LO-UC	80	
TP08	BC-03 to BC-04	6	800	7,008,000	TC-FE	80	
TP09	BC-04 to SS-01	6	800	7,008,000	TC-PW	80	
TP10	SS-01 to BC-20	6	100	876,000	TC-PW	80	
TP11 TP12	SS-01 to BC-06 SS-01 to CR-01	6	700 700	6,132,000 6,132,000	TC-PW TC-PW	80 80	
TP13	CR-01 to BC-06	6	700	6,132,000	TC-PW	80	
TP14	BC-06 to BS-01	6	700	6,132,000	TC-FE	80	
TP15	BS-01 to BC-09	6	700	6,132,000	LO-UC	80	
TP16	BC-09 to Plant	6	700	6,132,000	TC-FW	90	
TP17	Plant to BC-10	7	400	3,504,000	TC-FW	90	
TP18	BC-10 to BC-21	7	400	3,504,000	TC-FE	80	
TP19	BC-21 to BC-11	7	400	3,504,000	TC-FE	80	
TP20	BC-11 to OS-02	7	400	3,504,000	TC-PE	50 0	dozor puch
TP21 TP22	OS-02 to OS-04 BC-11 to BC-12	7 7	200 400	1,752,000 3.504.000	UL-MDH TC-FE	80	dozer push
TP23	BC-11 to BC-12 BC-12 to BS-03	7	400	3,504,000	TC-FE	80	
TP24	BC-12 to BC-13	7	400	3,504,000	TC-FE	80	
TP25	BC-13 to BS-04	7	400	3,504,000	TC-FE	80	
TP26	OS-04 to Truck	7	50	438,000	LO-MDH	0	
TP27	OS-04 to OS-02	7	200	1,752,000	LO-MDH	0	dozer push
TP28	OS-02 to BC-16	7	6,000	3,504,000	LO-UC	80	
TP29	BS-03 to BC-16	7	6,000	3,504,000	LO-UC	80	
TP30	BS-04 to BC-15	7	6,000	3,504,000	LO-UC	80 80	
TP31 TP32	BC-15 to BC-16 BC-16 to BC-17	7	6,000 6,000	3,504,000 3,504,000	TC-FE TC-FE	80	
TP33	BC-17 to BS-05	7	6,000	3,504,000	TC-FE	80	
TP34	BS-05 to BS-06	7	6,000	3,504,000	TC-FE	80	
TP35	BS-06 to Railcar	7	6,000	3,504,000	LR-TC	75	
TP36	Plant to BC-18	10	400	3,504,000	TC-FW	90	
TP37	BC-18 to BC20	10	400	3,504,000	TC-FE	80	
TP38	BC-20 to BS-07	10	400	3,504,000	TC-FE	80	
TP39	BS-07 to Truck	10	400	3,504,000	LO-MDH	0	
TP40	Truck to Ground	10	400	3,504,000	UL-MDH	0	
							
 							
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p =	number of days per year with precipitation >0.01 inch	157		
f =	f = percentage of time that the unobstructed wind speed			
	exceeds 12 mph at the mean pile height			

Source	Stockpile		Silt	Stockpile	Control	Control
ID No.	Description		Content of	base area	Device	Efficiency
			Material %	Max. sqft	ID Number	%
OS-01	Raw Coal	50000	5	88,869	SW-WS	75
OS-02	Raw Coal	70000	5	108,869	SW-WS	75
OS-03	Clean Coal	50000	3.5	88,869	SW-WS	75
OS-04	Clean Coal	50000	3.5	88,869	SW-WS	75
		·				

4. UNPAVED HAULROADS (including all equipment traffic involved in process, haul trucks, endloaders, etc.)

s =	silt content of road surface material (%)	10
p =	number of days per year with precipitation >0.01 inch	157
$M_{dry} =$	surface material moisture content (%) - dry conditions	0.2

		Number	Mean	Mean	Miles	Maximum		Control	Control
Item	Description	of	Vehicle	Vehicle	per	Trips Per	Trips Per	Device	Efficiency
Number		wheels	Weight(tons)	Speed (mph)	Trip	Hour	Year	ID Number	%
1									
2	Refuse trucks 3,504,000	10	60	15	1	6.66	58,400	HR-WS	70
3	Raw Coal Trucks in 438000	18	40	15	1.5	1.25	10,950	HR-WS	70
4	Clean Coal Trucks out 438000	18	40	15	1.5	1.25	10,950	HR-WS	70
5									
6									
7									
8									

5. INDUSTRIAL PAVED HAULROADS (including all equipment traffic involved in process, haul trucks, endloaders, etc.)

sL=	road surface silt loading, (g/ft^2)	70
P =	number of days per year with precipitation >0.01 inch	157

Item	Description	Mean Vehicle	Miles per	Maximum Trips Per	Maximum Trips Per	Control Device	Control Efficiency
Number		Weight (tons)	Trip	Hour	Year	ID Number	%
1							
2							
3							
4							
5							
6							
7							
8							

	ion for each emission source and ted in the permit application.		ame of app ame of pla	nt:	Pocaho Affinit April, 2011	ntas coal Co. y Prep Plant	Page <i>'</i>
RUSHING AND	SCREENING (including all primary	/ and secondary crush	ners and s	creens)			
1a. PRIM	ARY CRUSHING						
Primary Crusher		Maximum N		Control Device	Control Efficiency		
ID Numbe	Description	Processing (Capacity TPY	ID Number	%		
CP 01			10 512 000		90		
CR-01	Rotary Breaker	1,200	10,512,000	FE	80		
					<u> </u>		
1b. SECO	ONDARY AND TERTIARY CRUSHING	Maximum M	4. c	Control	Control		
& Tertiary		Processing (Device	Efficiency		
Crusher II		TPH	TPÝ	ID Number	%		
	<u> </u>	<u> </u>					
1c. SURE	ENING						
Secondary		Maximum N		Control	Control		
& Tertiary Crusher II	Description	Processing (Capacity	Device ID Number	Efficiency %		
55-01	Scalping	1,200	10,512,000	FE	80		

2. TRANSFER POINTS (including all conveyor transfer points, equipment transfer points etc.)

РМ

PM-10 0.35 Particle Size Multiplier (dimensionless) 0.74 Mean Wind Speed (mph) U =

Transfer Point	Transfer Point Description Include ID Numbers of all conveyors,	Material Moisture		Maximum ansfer Rate	Control Device	Control Efficiency	
ID No.	crushers, screens, stockpiles, etc. involved	Content %	TPH	TPY	ID Number	%	
TP01	ROM to BC-01	6	4,400	10,512,000	TC-FE	80	
TP02	BC-01 to BC-02	6	4,400	10,512,000	TC-FE	80	
TP03	BC-02 to OS-01	6	4,400	10,512,000	TC-PE	50	
TP04	OS-01 to BC-03	6	1,200	10,512,000	LO-UC	80	
TP05	BC-03 to BC-04	6	1,200	10,512,000	TC-FE	80	
TP06	BC-04 to SS-01	6	1,200	10,512,000	TC-FE	80 80	
TP07 TP08	SS-01 to BC-05 BC-05 to BC-06	6	1,200 1,200	1,051,200	TC-FE TC-FE	80	
TP09	SS-01 to CR-01	6	1,200	10,512,000	TC-FE	80	
TP10	CR-01 to BC-06	6	1,200	10,512,000	TC-FE	80	
TP11	CR-01 to BC-20 - reject	6	1,200	1,051,200	TC-FE	80	
TP12	BC-06 to BS-01	6	1,200	10,512,000	TC-FE	80	
TP13	BC-06 to BC-07	6	1,200	10,512,000	TC-FE	80	
TP14	BC-07 to BS-02	6	1,200	10,512,000	TC-FE	80	
TP15 TP16	BS-01 to BC-09 BS-02 to BC-08	6	500 500	4,380,000 4,380,000	TC-FE TC-FE	80 80	
TP17	BC-08 to BC-09	6	500	4,380,000	TC-FE	80	
TP18	BC-09 to Plant	6	500	4,380,000	TC-WW	100	
TP19	Plant to BC-10	7	400	3,504,000	TC-WW	100	
TP20	BC-10 to BC-21	7	400	3,504,000	TC-FE	80	change
TP21	BC-11 to OS-02	7	400	3,504,000	TC-PE	50	
TP22	BC-11 to BC-12	7	400	3,504,000	TC-FE	80	
TP23	BC-12 to BS-03	7	400	3,504,000	TC-FE	80 80	
TP24 TP25	BC-12 to BC-13 BC-13 to BS-04	7	400 400	3,504,000	TC-FE	80	
TP26	OS-02 to BC-16	7	400	3,504,000	LO-UC	80	
TP27	delete		100	0,001,000	20 00		delete
TP28	BS-03 to BC-16	7	4,000	3,504,000	LO-UC	80	
TP29	BS-04 to BC-15	7	4,000	3,504,000	LO-UC	80	
TP30	BC-15 to BC-16	7	4,000	3,504,000	TC-FE	80	
TP31	BC-16 to BC-17	7	4,000	3,504,000	TC-FE	80	
TP32	BC-17 to BS-05	7	4,000	3,504,000	TC-FE TC-FE	80 80	
TP33 TP34	BS-05 to BS-06 BS-06 to Railcar	7	4,000 4.000	3,504,000 3,504,000	LR-TC	75	
TP35	Plant to Refuse BC-18	10	300	2,628,000	TC-WW	100	
TP36	Belt Press BC-19 to BC-18	10	100	876,000	TC-WW	100	
TP37	BC-18 to BC20	10	300	2,628,000	TC-FE	80	
TP38	BC-20 to BS-07	10	500	4,380,000	TC-FE	80	
TP39	BS-07 to Truck	10	500	4,380,000	LO-MDH	0	
TP40	Truck to Ground	10	500	4,380,000	UL-MDH	0	
	Modification January 2011						
TP41	BC-21 to BC-11	7	400	3,504,000	TC-FE	80	add
TP42	SS-01 to Reject OS-03	6	1	5,000	TC-MDH	0	add
TP43	OS-03 to OS-01 (as maintenance)	6	1	5,000	LO-MDH	0	add
	Modification April 2011						
TP44	Truck to OS-01	6	57	500,000	UL-MDH	0	
TP45	Stockpile OS-02 to Truck	7	11	100,000	LO-MDH	0	
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p =	p = number of days per year with precipitation >0.01 inch				
f =	f = percentage of time that the unobstructed wind speed				
	exceeds 12 mph at the mean pile height				

Source	Stockpile	Silt	Stockpile	Control	Control
ID No.	Description	Content of	base area	Device	Efficiency
		Material %	Max. sqft	ID Number	%
OS-01	Raw Coal 60,000T	5	88,869	SW-WS	75
OS-02	Clean 25,000T	3.5	38,869	SW-WS	75
OS-03	Screen Reject	5	288	SW-WS	75

4. UNPAVED HAULROADS (including all equipment traffic involved in process, haul trucks, endloaders, etc.)

s =	silt content of road surface material (%)	10
p =	number of days per year with precipitation >0.01 inch	157
$M_{dry} =$	surface material moisture content (%) - dry conditions	0.2

Item Number	Description	Number of wheels	Mean Vehicle Weight(tons)	Mean Vehicle Speed (mph)	Miles per Trip	Maximum Trips Per Hour	Maximum Trips Per Year	Control Device ID Number	Control Efficiency %
IVUITIDO		WIICCIS	weight(tons)	Opeca (mpn)	ШР	Hour	Toal	ID INGILIDE	70
1	Endloader cleaning up Reject OS-03	4	20	5	0.01	0.028	250	HR-WS	70
2	Refuse trucks 4,380,000	10	60	15	1	8.33	73,000	HR-WS	70
3	Raw Coal Trucks in 500,000	18	40	15	1.5	1.43	12,500	HR-WS	70
4	Clean Coal Trucks out 100,000	18	40	15	1.5	0.285	2,500	HR-WS	70
5									
6									
7									
8									

5. INDUSTRIAL PAVED HAULROADS (including all equipment traffic involved in process, haul trucks, endloaders, etc.)

sL=	road surface silt loading, (g/ft^2)	70
P =	number of days per year with precipitation >0.01 inch	157

		Mean	Miles	Maximum	Maximum	Control	Control
Item	Description	Vehicle	per	Trips Per	Trips Per	Device	Efficiency
Number		Weight (tons)	Trip	Hour	Year	ID Number	%
1							
2							
3							
4							
5							
6							
7							
8							

LIMITED POWER OF ATTORNEY

WHEREAS, United Coal Company LLC, a Virginia limited liability company, is the sole member of Pocahontas Coal Company LLC, a West Virginia limited liability company, hereinafter referred to as "Pocahontas".

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

That United Coal Company LLC does hereby make, constitute and appoint for a term commencing on the date hereof and expiring on December 31, 2015, John C. McNew, the true and lawful attorney for Pocahontas and in its name and on its behalf to execute any permit applications including any MSHA, West Virginia Miners Health and Safety and Training permits and plans, U. S. Army Corps of Engineers permits, West Virginia Department of Environmental Protection permits, West Virginia Department of Natural Resources Permits and West Virginia Department of Highways agreements and permits, which he may deem necessary or proper in connection with the business of Pocahontas. The said John C. McNew, as Attorney in Fact, is empowered to execute, acknowledge and deliver any such instruments, permits or documents as fully as if special authority had been granted in each particular case by the sole member of Pocahontas.

Executed as of the 1st day of January 2015.

ATTEST:

Mark D. McCormick

General Counsel, Secretary and VP of HR and Risk Management

UNITED COAL COMPANY LLC

Michael P. Zervos

President, CEO and Member of

Board of Managers

STATE OF TENNESSEE

COUNTY OF SULLIVAN

The foregoing instrument was acknowledged before me on this 1st day of January 2015, by Michael P. Zervos, Chief Executive Officer, President and Member of the Board of Managers of United Coal Company LLC, sole member of Pocahontas Coal Company LLC on behalf of said company.

My Commission Expires: $7/(8/\infty)$

Notary Public

TENNESSEE NOTARY PUBLIC