

**POCAHONTAS COAL COMPANY LLC**

**AFFINITY PREPARATION PLANT FACILITY  
ID NUMBER: 081-00243**

**MODIFICATION APPLICATION #3**

**DIVISION OF AIR QUALITY**

**Submittal Date: December 2015**

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312 Justice Avenue  
Logan, WV 25601

Phone (304) 752-8320  
Fax (304) 752-7488

**December 3, 2015**

**Mr. William F. Durham  
Division of Air Quality  
601 57<sup>th</sup> 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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WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF AIR QUALITY  
601 - 57<sup>th</sup> Street  
Charleston, WV 25304  
Phone: (304) 926-0475 • [www.wvdep.org](http://www.wvdep.org)

**APPLICATION FOR GENERAL  
PERMIT REGISTRATION**  
*CONSTRUCT, MODIFY, RELOCATE OR  
ADMINISTRATIVELY UPDATE  
A STATIONARY SOURCE OF AIR POLLUTANTS*

PLEASE CHECK ALL THAT APPLY (IF KNOWN):

- ☐ **CONSTRUCTION**   ☒ **MODIFICATION**   ☐ **RELOCATION**  
☐ **ADMINISTRATIVE UPDATE**   ☐ **AFTER-THE-FACT**

**FOR AGENCY USE ONLY:** PLANT I.D. # \_\_\_\_\_

PERMIT # \_\_\_\_\_ PERMIT WRITER: \_\_\_\_\_

**CHECK WHICH TYPE OF GENERAL PERMIT REGISTRATION YOU ARE APPLYING FOR:**

- ☒ **G10-C** – Coal Preparation and Handling  
☐ **G20-B** – Hot Mix Asphalt  
☐ **G30-B** – Natural Gas Compressor Stations  
☐ **G40-B** – Nonmetallic Minerals Processing  
☐ ☐ **G50-B** – Concrete Batch  
☐ ☐ **G60-B** – Class II Emergency Generator

- ☐ **G65B** – Class I Emergency Generator

**SECTION I. GENERAL INFORMATION**

1. NAME OF APPLICANT (AS REGISTERED WITH THE WV SECRETARY OF STATE'S OFFICE):

**POCAHONTAS COAL COMPANY, LLC**

2. FEDERAL EMPLOYER ID NO. (FEIN):

**26-0128639**

3. APPLICANT'S MAILING ADDRESS:

**109 APPALACHIAN DRIVE  
BECKLEY, WV 25801**

5. IF APPLICANT IS A SUBSIDIARY CORPORATION, PLEASE PROVIDE THE NAME OF PARENT CORPORATION:

**UNITED COAL COMPANY**

6. **WV BUSINESS REGISTRATION.** IS THE APPLICANT A RESIDENT OF THE STATE OF WEST VIRGINIA? ☒ **YES**   ☐ **NO**

⇒ IF **YES**, PROVIDE A COPY OF THE **CERTIFICATE OF INCORPORATION / ORGANIZATION / LIMITED PARTNERSHIP** (ONE PAGE) INCLUDING ANY NAME CHANGE AMENDMENTS OR OTHER **BUSINESS CERTIFICATE** AS ATTACHMENT A.

⇒ IF **NO**, PROVIDE A COPY OF THE **CERTIFICATE OF AUTHORITY / AUTHORITY OF L.L.C. / REGISTRATION** (ONE PAGE) INCLUDING ANY NAME CHANGE AMENDMENTS OR OTHER **BUSINESS CERTIFICATE** AS ATTACHMENT A.

⇒ **SEE ATTACHMENT A**

**SECTION II. FACILITY INFORMATION**

<p>7. TYPE OF PLANT OR FACILITY (STATIONARY SOURCE) TO BE CONSTRUCTED, MODIFIED, RELOCATED OR ADMINISTRATIVELY UPDATED (E.G., COAL PREPARATION PLANT, PRIMARY CRUSHER, ETC.):</p> <p><b>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</b></p>	<p>8. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE FOR THE FACILITY:</p> <p align="center"><b>1222</b></p>
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<p>9A. DAQ PLANT I.D. NO. (FOR AN EXISTING FACILITY):</p> <p align="center"><b>081-000243</b></p>	<p>10A. LIST ALL CURRENT 45CSR13 AND 45CSR30 (TITLE V) PERMIT NUMBERS ASSOCIATED WITH THIS PROCESS (FOR EXISTING FACILITY ONLY):</p> <p align="center"><b>G10-C118C</b></p>
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**PRIMARY OPERATING SITE INFORMATION**

<p>11A. NAME OF PRIMARY OPERATING SITE:</p> <p><b>AFFINITY PREPARATION PLANT FACILITY</b></p>	<p>12A. MAILING ADDRESS OF PRIMARY OPERATING SITE:</p>	
<p>13A. DOES THE APPLICANT OWN, LEASE, HAVE AN OPTION TO BUY, OR OTHERWISE HAVE CONTROL OF THE <i>PROPOSED SITE</i>?</p> <p><input checked="" type="checkbox"/> <b>YES</b>    <input type="checkbox"/> <b>NO</b></p> <p>⇨ IF <b>YES</b>, PLEASE EXPLAIN: <b>OWNER/OPERATOR</b></p> <p>⇨ IF <b>NO</b>, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.</p>		
<p>14A. ⇨ FOR <b>MODIFICATIONS</b> or <b>ADMINISTRATIVE UPDATES</b>, AT AN EXISTING FACILITY, PLEASE PROVIDE DIRECTIONS TO THE <i>PRESENT LOCATION</i> OF THE FACILITY FROM THE NEAREST STATE ROAD;</p> <p>⇨ FOR <b>CONSTRUCTION OR RELOCATION PERMITS</b>, PLEASE PROVIDE DIRECTIONS TO <i>THE PROPOSED NEW SITE LOCATION</i> FROM THE NEAREST STATE ROAD.</p> <p align="center"><b>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.</b></p> <p align="center">INCLUDE A MAP AS ATTACHMENT F. <b>SEE ATTACHMENT F</b></p>		
<p>15A. NEAREST CITY OR TOWN:</p> <p align="center"><b>Midway</b></p>	<p>16A. COUNTY:</p> <p align="center"><b>RALEIGH COUNTY</b></p>	
<p>17A. UTM NORTHING (KM):</p> <p align="center"><b>4173.8794</b></p>	<p>18A. UTM EASTING (KM):</p> <p align="center"><b>480.0951</b></p>	<p>19A. UTM ZONE:</p> <p align="center"><b>17</b></p>

**1<sup>ST</sup> ALTERNATE OPERATING SITE INFORMATION**

11B. NAME OF PRIMARY OPERATING SITE:   	12B. MAILING ADDRESS OF PRIMARY OPERATING SITE:   	
13B. DOES THE APPLICANT OWN, LEASE, HAVE AN OPTION TO BUY, OR OTHERWISE HAVE CONTROL OF THE <i>PROPOSED SITE</i> ? <input type="checkbox"/> <b>YES</b> <input type="checkbox"/> <b>NO</b> ⇨ IF <b>YES</b> , PLEASE EXPLAIN: _____  _____  ⇨ IF <b>NO</b> , YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.		
14B. ⇨ FOR <b>MODIFICATIONS or ADMINISTRATIVE UPDATES</b> , AT AN EXISTING FACILITY, PLEASE PROVIDE DIRECTIONS TO THE <i>PRESENT LOCATION</i> OF THE FACILITY FROM THE NEAREST STATE ROAD; ⇨ FOR <b>CONSTRUCTION OR RELOCATION PERMITS</b> , PLEASE PROVIDE DIRECTIONS TO <i>THE PROPOSED NEW SITE LOCATION</i> FROM THE NEAREST STATE ROAD.  _____  _____  _____  INCLUDE A <b>MAP AS ATTACHMENT F</b> .		
15B. NEAREST CITY OR TOWN:	16B. COUNTY:	
17B. UTM NORTHING (KM):	18B. UTM EASTING (KM):	19B. UTM ZONE:

**2<sup>ND</sup> ALTERNATE OPERATING SITE INFORMATION**

11C. NAME OF PRIMARY OPERATING SITE:  	12C. MAILING ADDRESS OF PRIMARY OPERATING SITE:  	
13C. DOES THE APPLICANT OWN, LEASE, HAVE AN OPTION TO BUY, OR OTHERWISE HAVE CONTROL OF THE <i>PROPOSED SITE</i> ? <input type="checkbox"/> <b>YES</b> <input type="checkbox"/> <b>NO</b> ⇨ IF <b>YES</b> , PLEASE EXPLAIN: _____  ⇨ IF <b>NO</b> , YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.		
14C. ⇨ FOR <b>MODIFICATIONS or ADMINISTRATIVE UPDATES</b> , AT AN EXISTING FACILITY, PLEASE PROVIDE DIRECTIONS TO THE <i>PRESENT LOCATION</i> OF THE FACILITY FROM THE NEAREST STATE ROAD; ⇨ FOR <b>CONSTRUCTION OR RELOCATION PERMITS</b> , PLEASE PROVIDE DIRECTIONS TO <i>THE PROPOSED NEW SITE LOCATION</i> FROM THE NEAREST STATE ROAD.    INCLUDE A <b>MAP</b> AS <b>ATTACHMENT F</b> .		
15C. NEAREST CITY OR TOWN:	16C. COUNTY:	
17C. UTM NORTHING (KM):	18C. UTM EASTING (KM):	19C. UTM ZONE:
20. PROVIDE THE DATE OF ANTICIPATED INSTALLATION OR CHANGE: <b>Upon Approval</b>  ⇨ IF THIS IS AN <b>AFTER-THE-FACT</b> PERMIT APPLICATION, PROVIDE THE DATE UPON WHICH THE PROPOSED CHANGE DID HAPPEN: ____/____/____		21. DATE OF ANTICIPATED START- UP IF REGISTRATION IS GRANTED:  <p align="center"><b>Upon Approval</b></p>
22. PROVIDE MAXIMUM PROJECTED <b>OPERATING SCHEDULE</b> OF ACTIVITY/ ACTIVITIES OUTLINED IN THIS APPLICATION:  <p align="center">HOURS PER DAY <b>24</b>   DAYS PER WEEK <b>7</b>   WEEKS PER YEAR <b>52</b>   PERCENTAGE OF OPERATION <b>100%</b></p>		





## **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

## **ATTACHMENT B**

**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

Source Identification Number <sup>1</sup>		<b>SS-01</b>				
Type of Crusher or Screen <sup>2</sup>		<b>Scalping Screen</b>				
Date of Manufacture <sup>3</sup>		<b>2010</b>				
Maximum Throughput <sup>4</sup>	tons/hour	<b>800</b>				
	tons/year	<b>7,008,000</b>				
Material sized from/to: <sup>5</sup>		<b>6x0</b>				
Average Moisture Content (%) <sup>6</sup>		<b>6</b>				
Control Device ID Number <sup>7</sup>		<b>PW</b>				
Baghouse Stack Parameters <sup>8</sup>	height (ft)	<b>N/A</b>				
	diameter (ft)					
	volume (ACFM)					
	exit temp (°F)					
	UTM Coordinates					
Maximum Operating Schedule <sup>9</sup>	hours/day	<b>24</b>				
	days/year	<b>365</b>				
	hours/year	<b>8760</b>				
Percentage of Operation <sup>10</sup>	January-March	<b>25</b>				
	April-June	<b>25</b>				
	July-September	<b>25</b>				
	Oct-December	<b>25</b>				

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 Crusher 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

Source Identification Number <sup>1</sup>		<b>CR-01</b>				
Type of Crusher or Screen <sup>2</sup>		<b>Jeffery 45 DR</b>				
Date of Manufacture <sup>3</sup>		<b>2010</b>				
Maximum Throughput <sup>4</sup>	tons/hour	<b>700</b>				
	tons/year	<b>6,132,000</b>				
Material sized from/to: <sup>5</sup>		<b>+2x0</b>				
Average Moisture Content (%) <sup>6</sup>		<b>6</b>				
Control Device ID Number <sup>7</sup>		<b>FW</b>				
Baghouse Stack Parameters <sup>8</sup>	height (ft)	<b>N/A</b>				
	diameter (ft)					
	volume (ACFM)					
	exit temp (°F)					
	UTM Coordinates					
Maximum Operating Schedule <sup>9</sup>	hours/day	<b>24</b>				
	days/year	<b>365</b>				
	hours/year	<b>8760</b>				
Percentage of Operation <sup>10</sup>	January-March	<b>25</b>				
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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





## CONVEYING AFFECTED SOURCE SHEET

Source Identification Number <sup>1</sup>	Date of Manufacture/Modification <sup>2</sup>	Type of Material Handled <sup>3</sup>	Size of Material Handled <sup>4</sup>	Maximum Material Transfer Rate <sup>5</sup>		Average Moisture Content (%) <sup>6</sup>	Control Device <sup>7</sup>
				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 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	CC	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	CC	2x0	400	3,504,000	7	PE
Silo Feed BC-12	2010	CC	2x0	400	3,504,000	7	PE
Silo Feed BC-13	2010	CC	2x0	400	3,504,000	7	PE
Chain BC-14	Deleted						
Silo Reclaim BC-15	2010	CC	2x0	6000	3,504,000	7	PE

Source Identification	Date of Manufacture/	Type of Material	Size of Material	Maximum Material Transfer Rate <sup>5</sup>		Average Moisture	Control Device
<b>Loadout BC-16</b>	<b>2010</b>	<b>CC</b>	<b>2x0</b>	<b>6000</b>	<b>3,504,000</b>	<b>7</b>	<b>PE</b>
<b>Loadout BC-17</b>	<b>2010</b>	<b>CC</b>	<b>2x0</b>	<b>6000</b>	<b>3,504,000</b>	<b>7</b>	<b>PE</b>
<b>Refuse BC-18</b>	<b>2010</b>	<b>Refuse</b>	<b>-1 3/8</b>	<b>400</b>	<b>3,504,000</b>	<b>10</b>	<b>PE</b>
<b>Press Refuse BC-19</b>	<b>Deleted</b>						
<b>Refuse BC-20</b>	<b>2010</b>	<b>Refuse</b>	<b>-1 3/8</b>	<b>400</b>	<b>3,504,000</b>	<b>10</b>	<b>PE</b>
<b>CC Transfer BC-21</b>	<b>2011</b>	<b>CC</b>	<b>2x0</b>	<b>400</b>	<b>3,504,000</b>	<b>7</b>	<b>PE</b>

## STORAGE ACTIVITY AFFECTED SOURCE SHEET

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

1. 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.

BS Bin or Storage Silo (full enclosure)

OS Open Stockpile

SF Stockpiles with wind fences

E3 Enclosure (three sided enclosure)

SB Storage Building (full enclosure)

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

FC Fixed Height Chute from Bins

FE Front Endloader

MC Mobile Conveyor/Stacker

UC Under-pile or Under-Bin Reclaim Conveyor

RC Rake or Bucket Reclaim Conveyor

SS Stationary Conveyor/Stacker

ST Stacking Tube

TC Telescoping Chute from Bins

TD Truck Dump

PC Pneumatic Conveyor/Stacker

OT Other

## STORAGE ACTIVITY AFFECTED SOURCE SHEET

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

1. 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.

BS Bin or Storage Silo (full enclosure)

OS Open Stockpile

SF Stockpiles with wind fences

E3 Enclosure (three sided enclosure)

SB Storage Building (full enclosure)

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

FC Fixed Height Chute from Bins

FE Front Endloader

MC Mobile Conveyor/Stacker

UC Under-pile or Under-Bin Reclaim Conveyor

RC Rake or Bucket Reclaim Conveyor

SS Stationary Conveyor/Stacker

ST Stacking Tube

TC Telescoping Chute from Bins

TD Truck Dump

PC Pneumatic Conveyor/Stacker

OT Other

## STORAGE ACTIVITY AFFECTED SOURCE SHEET

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

1. 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.
 

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
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	

## STORAGE ACTIVITY AFFECTED SOURCE SHEET

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

1. 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.
 

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
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	

## 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<sup>2</sup>
7. Operating air to cloth ratio: \_\_\_\_\_ ft/min
8. Filter media type: \_\_\_\_\_
9. Stabilized static pressure drop across baghouse: \_\_\_\_\_ inches H<sub>2</sub>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:





Legal Advertisement

**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 57<sup>th</sup> 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**

**ATTACHMENT K**

**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.

Include all information for each emission source and transfer point as listed in the permit application.

Nov-15

[illegible]



[illegible]

**3. WIND EROSION OF STOCKPILES** (including all stockpiles of raw coal, clean coal, coal refuse, etc.)

p =	number of days per year with precipitation >0.01 inch	157
f =	percentage of time that the unobstructed wind speed exceeds 12 mph at the mean pile height	20

[illegible]

**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 <sub>dry</sub> =	surface material moisture content (%) - dry conditions	0.2

[illegible]

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

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

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

Include all information for each emission source and transfer point as listed in the permit application.

Name of applicant: Pocahontas coal Co.  
 Name of plant: Affinity Prep Plant  
April, 2011

### 1a. PRIMARY CRUSHING

[illegible][illegible][illegible]





[illegible]

**3. WIND EROSION OF STOCKPILES (including all stockpiles of raw coal, clean coal, coal refuse, etc.)**

Page 3

p =	number of days per year with precipitation >0.01 inch	157
f =	percentage of time that the unobstructed wind speed exceeds 12 mph at the mean pile height	20

Source ID No.	Stockpile Description	Silt Content of Material %	Stockpile base area Max. sqft	Control Device ID Number	Control Efficiency %
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 <sub>dry</sub> =	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 %
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 <sup>2</sup> )	70
P =	number of days per year with precipitation >0.01 inch	157

Item Number	Description	Mean Vehicle Weight (tons)	Miles per Trip	Maximum Trips Per Hour	Maximum Trips Per Year	Control Device ID Number	Control Efficiency %
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:**

**UNITED COAL COMPANY LLC**

  
\_\_\_\_\_  
Mark D. McCormick  
General Counsel, Secretary and  
VP of HR and Risk Management

  
\_\_\_\_\_  
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 1<sup>st</sup> 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: 7/18/2017

