



west virginia department of environmental protection

Division of Air Quality
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Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
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February 24, 2016

CERTIFIED MAIL
91 7199 9991 7035 6665 8240

John McNew
109 Appalachian Drive
Beckley, WV 25801

RE: Pocahontas Coal Company, LLC
Affinity Mine
Permit Application No. G10-D118C
Plant ID No. 081-00243

Dear Mr. McNew:

Your application for a permit as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed permit G10-D118C is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

This permit does not affect 45CSR30 applicability, the source is a nonmajor source subject to 45CSR30.

In accordance with 45CSR30- Operating Permit Program, 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. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

Should you have any questions or comments, please contact me at (304) 926-0499, extension 1212.

Sincerely,

Thornton E. Martin Jr.
Permit Engineer

c: Donna J. Toler, P & A Engineers and Consultants, Inc.

West Virginia Department of Environmental Protection
Earl Ray Tomblin
Governor

Division of Air Quality

Randy C. Huffman
Cabinet Secretary

Class II General Permit G10-D Registration to Modify



for the
Prevention and Control of Air Pollution in regard to the
Construction, Modification, Relocation,
Administrative Update and Operation of
Coal Preparation and Processing Plants and Coal Handling Operations

*The permittee identified at the facility listed below is authorized to
construct the stationary sources of air pollutants identified herein in accordance
with all terms and conditions of General Permit G10-D.*

G10-D118C

Issued to:
Pocahontas Coal Company, LLC
Affinity Mine
081-00243

A blue ink signature of William F. Durham, written over a horizontal line.

William F. Durham
Director

Issued: February 24, 2016

This Class II General Permit Registration will supercede and replace G10-D118B

Facility Location: Midway, Raleigh County, West Virginia
Mailing Address: 109 Appalachian Drive, Beckley, WV 25801
Facility Description: Coal Preparation Plant
NAICS Codes: 212112
UTM Coordinates: 480.0951 km Easting • 4173.8794 km Northing • Zone 17
Registration Type: Modification

Subject to 40CFR60 Subpart Y? Yes
Subject to 40CFR60 Subpart IIII? No
Subject to 40CFR60 Subpart JJJJ? No

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit or registration issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

This permit does not affect 45CSR30 applicability, the source is a nonmajor source subject to 45CSR30.

Unless otherwise stated WVDEP DAQ did not determine whether the registrant is subject to an area source air toxics standard requiring Generally Achievable Control Technology (GACT) promulgated after January 1, 2007 pursuant to 40 CFR 63, including the area source air toxics provisions of 40 CFR 63, Subpart ZZZZ.

All registered facilities under Class II General Permit G10-D are subject to Sections 1.0, 1.1, 2.0, 3.0, and 4.0.

The following sections of Class II General Permit G10-D apply to the registrant:

Section 5	Coal Preparation and Processing Plants and Coal Handling Operations	X
Section 6	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after October 27, 1974, and on or before April 27, 2008 (40CFR60 Subpart Y)	<input type="checkbox"/>
Section 7	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after April 28, 2008, and on or before May 27, 2009 (40CFR60 Subpart Y)	<input type="checkbox"/>
Section 8	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after May 27, 2009 (40CFR60 Subpart Y)	X
Section 9	Reciprocating Internal Combustion Engines (R.I.C.E.)	<input type="checkbox"/>
Section 10	Tanks	<input type="checkbox"/>
Section 11	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart IIII)	<input type="checkbox"/>
Section 12	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ)	<input type="checkbox"/>

Emission Units

Equipment ID No.	A M R ¹	Date of Manufacture	Description	Maximum Capacity		Control Equipment ²	Associated Transfer Points				
				TPH	TPY		Location: B -Before A -After	ID. No.	Control Equipment ²		
Raw Coal Circuit											
BC-01	M M	2010 2016	60" Deep Mine Conveyor - transfers from deep mine to BC-02	1,200	10,512,000	PE	B A	TP-01 TP-02	TC-FE TC-FE		
BC-02	M M	2010 2016	60" Transfer Conveyor - transfers raw coal from BC-01 to open stockpile OS-01	1,200	10,512,000	PE	B A	TP-02 TP-03	TC-FE TC-PE		
OS-01	M M	2010 2016	50,000T Raw Coal Stockpile - receives ROM from Affinity Mine, stores it and then underpile reclaim feeders drop it to BC-03	----	10,512,000	ST, WS	B A A	TP-03 TP-04 TP-07	TC-PE UL-MDH LO-UC		
BC-03	M M	2010 2016	48" Belt Conveyor - transfers raw coal from stockpile OS-01 /OS-03 to crush/screen feed belt BC-04	800	7,008,000	PE	B A	TP-07 TP-08	LO-UC TC-FE		
BC-04	M M	2010 2016	48" Screen Feed Conveyor - transfers raw coal from stockpile reclaim belt BC-03 to scalping screen SS-01	800	7,008,000	PE	B A	TP-08 TP-09	TC-FE TC-PW		
SS-01	M M	2010 2016	10x20 Scalping Screen - receives raw coal from conveyor BC-04, screens and transfers +2X0 to crusher CR-01, 2X0 to belt conveyor BC-06 and oversize material to ground via rock chute	800	7,008,000	PW	B A A A	TP-09 TP-12 TP-11 TP-10	TC-PW TC-PW TC-PW TC-PW		
BC-05	M R	2010 2016	36" Raw Coal Transfer Conveyor - receives 2X0 coal from SS-01 and transfers to raw coal belt BC-06	REMOVED							
CR-01	M M	2010 2016	Jeffery 45 DR Crusher - receives +2x0 from SS-01 and transfers 2x0 to belt conveyor BC-06.	700	6,132,000	FW	B A	TP-12 TP-13	TC-PW TC-FE		

Equipment ID No.	A M R ¹	Date of Manufacture	Description	Maximum Capacity		Control Equipment ²	Associated Transfer Points				
				TPH	TPY		Location: B -Before A -After	ID. No.	Control Equipment ²		
OS-03	A M	2011 2016	70,000T Excess Raw Coal Stockpile - receives raw coal from truck and excess raw coal from OS-01. Raw coal is dozer pushed between OS-03 and OS-01.	----	5,256,000	SW-WS	B B A	TP-04 TP-05 TP-06	UL-MDH LO-MDH LO-MDH		
BC-06	M M	2010 2016	36" Silo #1 Feed Conveyor - receives coal from screen SS-01 and crusher CR-01 then transfers to raw coal silo BS-01.	700	6,132,000	PE	B B A	TP-11 TP-13 TP-14	TC-PW TC-FE TC-FE		
BC-07	M R	2010 2016	36" Silo #2 Feed Conveyor - receives raw coal BC-06 and transfers to raw coal silo #2	REMOVED							
BS-01	M M	2010 2016	6,000T Raw Coal Silo - receives coal from belt BC-06, stores it, and discharges underbin to plant feed belt BC-09	----	6,132,000	FE	B A	TP-14 TP-15	TC-FE LO-UC		
BS-02	M R	2010 2016	2000T Raw Coal Silo - receives coal from belt BC-07, stores it, and discharges underbin to belt BC-08	REMOVED							
BC-08	M R	2010 2016	36" Silo #2 Reclaim Conveyor - reclaims underbin from BS-02 and transfers raw coal to plant feed conveyor BC-09	REMOVED							
BC-09	M M	2010 2016	36" Plant Feed Conveyor - receives raw coal from BS-01 and transfers to wet wash prep plant	700	6,132,000	PE	B A	TP-15 TP-16	LO-UC TC-FW		
Affinity Prep Plant - Clean Coal											
BC-10	M	2010	36" Clean Coal Transfer Belt - transfers clean coal from plant to belt BC-21	400	3,504,000	PE	B A	TP-17 TP-18	TC-FW TC-FE		
BC-21	A	2011	36" Clean Coal Transfer Belt - receives clean coal from belt BC-10 and transfers to belt BC-11	400	3,504,000	PE	B A	TP-18 TP-19	TC-FE TC-FE		
BC-11	M	2010	36" Clean Coal Transfer Belt - receives clean coal from BC-21 and transfers it to stockpile OS-02 and to belt BC-12	400	3,504,000	PE	B A A	TP-19 TP-20 TP-22	TC-FE TC-PE TC-FE		
OS-02	M M	2010 2016	50,000T Clean Coal Stockpile - receives coal via stacking tube from belt BC-11, dozer pushed excess clean coal to and from OS-04, and discharges to belt BC-16	----	3,504,000	ST, WS	B B A A	TP-20 TP-27 TP-21 TP-28	TC-PE LO-MDH UL-MDH LO-UC		
OS-04	A	2016	50,000T Excess Clean Coal Stockpile - receives excess clean coal from stockpile OS-02 and is dozer pushed back to stockpile OS-02 or is loaded out to truck	----	1,752,000	SW-WS	B A A	TP-21 TP-27 TP-26	UL-MDH LO-MDH LO-MDH		
BC-12	M	2010	36" Clean Coal Transfer Belt - receives clean coal from BC-11 and transfers coal to clean coal silo BS-03 or belt BC-13	400	3,504,000	PE	B A A	TP-22 TP-23 TP-24	TC-FE TC-FE TC-FE		
BS-03	M	2010	10,000T Clean Coal Silo #1 - receives clean coal from belt BC-12, stores it, and discharges underbin to loadout belt #1 BC-16	----	3,504,000	FE	B A	TP-23 TP-29	TC-FE LO-UC		
BC-13	M	2010	36" Clean Coal Transfer Belt - receives clean coal from BC-12 and transfers to clean coal silo BS-04	400	3,504,000	PE	B A	TP-24 TP-25	TC-FE TC-FE		
BS-04	M M	2010 2016	6,000T Clean Coal Silo #2 - receives coal from BC-13, stores it, and discharges underbin to belt BC-15	----	3,504,000	FE	B A	TP-25 TP-30	TC-FE LO-UC		
BC-14	R	2010	36" Clean Coal Chain Belt - receives coal via above-the-ground feeder from stockpile OS-02 and transfers to loadout belt BC-16	REMOVED							
BC-15	M M	2010 2016	60" Clean Coal Reclaim Conveyor - receives clean coal from silo BS-04 and transfers to loadout belt BC-16	6,000	3,504,000	PE	B A	TP-30 TP-31	LO-UC TC-FE		
Rail Car Loadout Circuit											
BC-16	M M	2010 2016	60" Clean Coal Loadout Conveyor #1 - receives clean coal from clean coal stockpile OS-02, clean coal Silo BS-03 and clean coal reclaim conveyor BC-15 then transfers to clean coal loadout conveyor #2 BC-17	6,000	3,504,000	PE	B B B A	TP-28 TP-29 TP-31 TP-32	LO-UC LO-UC TC-FE TC-FE		
BC-17	M M	2010 2016	60" Clean Coal Loadout Conveyor - receives clean coal from loadout belt #1 BC-16 and transfers to the batch weigh loadout bin BS-05	6,000	3,504,000	PE	B A	TP-32 TP-33	TC-FE TC-FE		
BS-05	M M	2010 2016	200T Batch Weigh Surge Bin - receives coal from loadout belt BC-17, stores it, and transfers to the loadout bin BS-06	----	3,504,000	FE	B A	TP-33 TP-34	TC-FE TC-FE		
BS-06	M M	2010 2016	150T Batch Weigh Loadout Bin - receives clean coal from surge bin BS-05, stores it, and transfers to railcar	----	3,504,000	FE	B A	TP-34 TP-35	TC-FE LR-TC		
Affinity Prep Plant - Refuse Circuit											
BC-18	M M	2010 2016	36" Plant Refuse Belt Conveyor - transfers refuse from plant to belt BC-20	400	3,504,000	PE	B A	TP-36 TP-37	TC-FW TC-FE		

Equipment ID No.	A M R ¹	Date of Manufacture	Description	Maximum Capacity		Control Equipment ²	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID. No	Control Equipment ²
BC-19	M R	2010 2016	36" Refuse Belt Press Conveyor - transfers refuse from the plant refuse belt press system to refuse belt BC-18	REMOVED					
BC-20	M M	2010 2016	30" Overland Refuse Belt Conveyor - receives crusher reject and refuse from belt conveyor BC-18 and transfers to the refuse bin BS-07	400	3,504,000	PE	B B A	TP-10 TP-37 TP-38	TC-PW TC-FE TC-FE
BS-07	M M	2010 2016	200T Refuse Bin - receives refuse from belt conveyor BC-20, stores it, and discharges via chute/gate to truck, truck transports to disposal area	----	3,504,000	FE	B A A	TP-38 TP-39 TP-40	TC-FE LO-MDH UL-MDH

- ¹ A - Addition; M - Modification; R - Removal (Existing unmodified equipment to be included in the permit is labeled with an M.)
- ² FE - Full Enclosure; PE - Partial Enclosure; WS - Water Sprays; N - None; ST - Stacking Tube; UL-MDH - Truck Unloading; LO-MDH - Loadout Minimum Drop Height; FW - Fully Enclosed w/water spray; PW - Partially Enclosed w/ water spray; TC-FE - Transfer Point Fully Enclosed; TC-FW - Transfer Point Fully Enclosed w/water sprays; TC-PW - Transfer Point Partially Enclosed w/water sprays; TC-MDH - Transfer Point Minimum Drop Height

Control Devices (Not Applicable)

Control Device ID	Source ID No.	Emission Unit Description	Month/Year Constructed, Reconstructed, or Modified

Reciprocating Internal Combustion Engines (Not Applicable)

Emission Unit ID	Emission Unit Description (Make, Model, Serial No.)	Year Installed	Design Capacity (Bhp/rpm)

Reciprocating Internal Combustion Engines (R.I.C.E.) Information (Not Applicable)

Emission Unit ID	Subject to 40CFR60 Subpart III?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 9.1.4/9.2.1 (Catalytic Reduction Device)

Emission Limitations

Emission Source	Maximum Controlled Hourly Emissions (lb/hr)	Maximum Controlled Annual Emissions (tons/year)
FUGITIVE EMISSIONS		
Stockpiles	0.52	2.26
Unpaved Haulroads	48.74	213.63
Paved Haulroads	0.00	0.00
Total Fugitive Emissions	49.26	215.89
POINT SOURCE EMISSIONS		
Equipment Emissions	17.40	76.21
Transfer Point Emissions	10.25	19.20
Total Point Source Emissions	27.65	95.41
TOTAL FACILITY EMISSIONS		
Total Facility Emissions	76.90	311.30

Engines (*Not Applicable*)

Source ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
		Nitrogen Oxides		
		Carbon Monoxide		
		Volatile Organic Compounds		
		Formaldehyde		