

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 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-D047F

Issued to:

**Raven Crest Contracting, LLC
Bull Creek Preparation Plant Facility
005-00075**

A blue ink signature of William F. Durham, written in a cursive style, is positioned above a horizontal line.

*William F. Durham
Director*

Issued: January 29, 2015

This Class II General Permit Registration will supercede and replace registration G10-D047E approved on June 24, 2011.

Facility Location: Ashford, Boone County, West Virginia
Mailing Address: 1295 Ashford Hill Road, Ashford, WV 25009
Facility Description: Wet Wash Coal Preparation Plant
SIC Codes: 2221 (Bituminous Coal & Lignite - Surface)
2222 (Bituminous Coal & Lignite - Underground)
NAICS Codes: 212111 (Bituminous Coal and Lignite Surface Mining)
212112 (Bituminous Coal Underground Mining)
UTM Coordinates: 438.83 km Easting • 4228.36 km Northing • Zone 17
Lat/Lon Coordinates: Latitude: 38.201114 • Longitude: -81.698628 • NAD83
Registration Type: Modification
Description of Change: After-the-Fact modification to do the following: reduce plant throughput from 600 TPH and 5,256,000 TPY to 300 TPH and 2,628,000 TPY; reconfigure equipment to show the new plant design; delete the equipment associated with the previously permitted stoker coal circuit; add a direct ship coal circuit; increase the clean/direct ship coal shipped from the facility by railcar from 3,000 TPH and 3,153,600 TPY to 3,500 TPH and 6,152,000 TPY; change some control devices; etc.

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.

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
- 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 28, 2008 (40CFR60 Subpart Y)
- 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)
- Section 8 Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after May 27, 2009 (40CFR60 Subpart Y)
- Section 9 Reciprocating Internal Combustion Engines (R.I.C.E.)
- Section 10 Tanks
- Section 11 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart III)
- Section 12 Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJ)

Emission Units

Equip-ment ID No.	Date of Construction, Reconstruction or Modification ¹	G10-D Applicable Sections ²	Emission Unit Description	Maximum Permitted Throughput		Control Device ³	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device ³
Raw Coal Circuit									
OS-01	C 2013	5 and 8	Raw Coal Stockpile - maximum 100,000 tons capacity, 188,869 ft ² base area and 75' height - receives raw coal from trucks, stores it and then a front-end loader transfers it to BS-01	300	2,628,000	SW-WS	B A	TP-01 TP-02	UL-MDH UD-PW
BS-01	C 2013	5 and 8	Raw Coal Bin - 80 tons capacity - receives raw coal from OS-01 via a front-end loader and then feeds it onto BC-01	300	2,628,000	PW	B A	TP-02 TP-03	UD-PW TC-FE
BC-01	C 2013	5 and 8	42" Belt Conveyor - receives raw coal from BS-01 and transfers it to SS-01	300	2,628,000	PE	B A	TP-03 TP-04	TC-FE TC-FW
SS-01	C 2013	5 and 8	Raw Coal Double Deck Screen - receives raw coal from BC-01, sizes it and then the oversize raw coal drops into CR-01 while the sized raw coal drops onto BC-02	300	2,628,000	FW	B A A	TP-04 TP-06 TP-05	TC-FW TC-FW TC-FW
CR-01	C 2013	5 and 8	Hammermill Double Roll Crusher - receives oversize raw coal from SS-01, crushes it and then drops it onto BC-02	300	2,628,000	FW	B A	TP-06 TP-07	TC-FW TC-FW
BC-02	C 2013	5 and 8	Belt Conveyor - receives sized raw coal from SS-01 and CR-01 and transfers it to SS-02	300	2,628,000	PE	B B A	TP-05 TP-07 TP-08	TC-FW TC-FW TC-FW
SS-02	C 2013	5 and 8	8x16 Double Deck Screen - receives sized raw coal from BC-02, sizes it and then transfers it to the wet wash system	300	2,628,000	FW	B A	TP-08 TP-09	TC-FW TC-FW
Direct Ship Coal Circuit									
BS-02	M 2013 C 2003	5 and 8	Direct Ship Coal Truck Dump Bin - 150 tons capacity - receives direct ship coal from trucks and then feeds it onto BC-04	500	4,380,000	PW	B A	TP-12 TP-13	UD-PW TC-FW

Equipment ID No.	Date of Construction, Reconstruction or Modification ¹	G10-D Applicable Sections ²	Emission Unit Description	Maximum Permitted Throughput		Control Device ³	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device ³
BC-04	M 2013 C 2003	5 and 8	36" Belt Conveyor - receives direct ship coal from BS-02 and transfers it to SS-03	500	4,380,000	PE	B A	TP-13 TP-14	TC-FW TC-FW
SS-03	M 2013 C 2003	5 and 8	Direct Ship Coal Double Deck Screen - receives direct ship coal from BC-04, sizes it and then the oversize direct ship coal drops into CR-02 while the sized direct ship coal drops onto BC-05	500	4,380,000	FW	B A A	TP-14 TP-16 TP-15	TC-FW TC-FW TC-FW
CR-02	M 2013 M 2011 C 2005	5 and 8	Hammermill Double Roll Crusher - receives oversize direct ship coal from SS-03, crushes it and then drops it onto BC-05	500	4,380,000	FW	B A	TP-16 TP-17	TC-FW TC-FW
BC-05	M 2013 C 2003	5 and 8	42" Belt Conveyor - receives sized direct ship coal from SS-03 and CR-02 and transfers it to BC-06	500	4,380,000	PE	B A	TP-17 TP-18	TC-FW TC-FE
BC-06	M 2013 C 2003	5 and 8	42" Belt Conveyor - receives sized direct ship coal from BC-05 and transfers it to OS-02 (see Clean/Direct Ship Coal Loadout Circuit below)	500	4,380,000	PE	B A	TP-18 TP-19	TC-FE TC-MDH
Clean/Stoker Coal Loadout Circuit									
BC-03	C 2013	5 and 8	36" Plant Clean Coal Conveyor - receives clean coal from the wet wash system and transfers it to OS-02	200	1,752,000	PE	B A	TP-10 TP-11	TC-FW TC-MDH
OS-02	M 2013 M 2011 C 2003	5 and 8	Clean Coal Stockpile - maximum 100,000 tons capacity, 188,869 ft ² base area and 75' height - receives clean coal from BC-03 and direct ship coal from BC-06 (see Direct Ship Coal Circuit above), stores it and then it is reclaimed by underground feeders onto BC-07	----	6,132,000	SW-WS	B B A	TP-11 TP-19 TP-20	TC-MDH TC-MDH LO-UC
BC-07	M 2013 C 2007	5 and 8	72" Belt Conveyor - receives clean/direct ship coal from OS-02 via underground feeders and transfers it to BC-08	3,500	6,132,000	PE	B A	TP-20 TP-21	LO-UC TC-FE
BC-08	M 2013 C 2007	5 and 8	72" Belt Conveyor - receives clean/direct ship coal from BC-07 and transfers it to BS-03	3,500	6,132,000	PE	B A	TP-21 TP-22	TC-FE TC-FE
BS-03	M 2013 M 2011 C 2007	5 and 8	Surge Bin - 240 tons capacity - receives clean/direct ship coal from BC-08 and then feeds it into BS-04	3,500	6,132,000	FE	B A	TP-22 TP-23	TC-FE TC-FE
BS-04	M 2013 M 2011 C 2007	5 and 8	Loadout Bin - 120 tons capacity - receives clean/direct ship coal from BS-03 and loads it into railcars through a telescopic chute	3,500	6,132,000	FE	B A	TP-23 TP-24	TC-FE LR-TC
Refuse Circuit									
BC-09	C 2013	5 and 8	36" Belt Conveyor - receives refuse from the wet wash system and transfers it to BS-05	200	1,752,000	PE	B A	TP-25 TP-26	TC-FW TC-FE
BS-05	C 2013	5 and 8	Refuse Bin - 200 tons capacity - receives refuse from BC-09 and then loads it into trucks through a fixed chute for delivery to the disposal area	200	1,752,000	FE	B A A	TP-26 TP-27 TP-28	TC-FE LO-MDH UL-MDH

¹ In accordance with 40 CFR 60 Subpart Y, coal processing and conveying equipment, coal storage systems, and coal transfer and loading systems constructed, reconstructed, or modified after April 28, 2008 shall not discharge gases which exhibit 10 percent opacity or greater. For open storage piles constructed, reconstructed, or modified after May 27, 2009, the permittee shall prepare and operate in accordance with a fugitive coal dust emissions control plan that is appropriate for site conditions.

² All registered affected facilities under Class II General Permit G10-D are subject to Sections 1.0, 1.1, 2.0, 3.0 and 4.0.

³ Control Device Abbreviations: FE - Full Enclosure; FW - Full Enclosure with Water Sprays; PE - Partial Enclosure; PW - Partial Enclosure with Water Sprays; WS - Water Sprays; TC - Telescopic Chute; UC - Under-pile Conveyor (full enclosure); MDH - Minimize Drop Height; and N - No Control.

Emission Limitations

<i>Facility-wide Emissions - G10-D047F</i> Raven Crest Contracting, LLC Bull Creek Preparation Plant Facility	Maximum Controlled PM Emissions		Maximum Controlled PM ₁₀ Emissions	
	lb/hour	TPY	lb/hour	TPY
Fugitive Emissions				
Open Storage Pile Emissions	0.48	2.12	0.23	0.99
Unpaved Haulroad Emissions	88.26	386.63	25.51	111.74
Paved Haulroad Emissions	0.00	0.00	0.00	0.00
<i>Fugitive Emissions Total</i>	<i>88.74</i>	<i>388.75</i>	<i>25.74</i>	<i>112.73</i>
Point Source Emissions				
Equipment Emissions	12.60	55.19	5.92	25.94
Transfer Point Emissions	4.87	11.20	2.30	5.29
<i>Point Source Emissions Total (PTE)</i>	<i>17.47</i>	<i>66.38</i>	<i>8.23</i>	<i>31.23</i>
FACILITY EMISSIONS TOTAL	106.22	455.13	33.96	143.97

Storage Tanks - Not Applicable

Source ID No.	Status	Content	Design Capacity			Orientation	G10-D Applicable Sections
			Volume	Diameter	Throughput		

Engines - Not Applicable

Source ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
		Nitrogen Oxides		
		Carbon Monoxide		
		Volatile Organic Compounds		
		Particulate Matter (<10 microns)		
		Sulfur Dioxide		
		Formaldehyde		

Control Devices - Not Applicable

Control Device ID No.	Source ID No.	Date Constructed, Reconstructed, or Modified	Emission Unit Description (Make, Model, Serial No., etc.)

Reciprocating Internal Combustion Engines - *Not Applicable*

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

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

Emission Unit ID No.	Subject to 40CFR60 Subpart IIII?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 9.1.4/9.2.1 (Catalytic Reduction Device)