

*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 Construct



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-D159**

Issued to:

**Greenbrier Smokeless Coal Mining, LLC  
Pollock Screening Plant  
025-00068**

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

*William F. Durham  
Director*

*Effective: June 16, 2015*

This Class II General Permit Registration will not supercede any existing general permit registrations or permits.

Greenbrier Smokeless Coal Mining, LLC's proposed raw coal screening plant (G10-D159) and their existing wet wash coal preparation plant and railcar loadout facility (G10-D085E) meet the definition of "Building, Structure, Facility, or Installation" in 45CSR14.2.10 and "Major Source" in 45CSR30.2.26 and shall be considered as one facility for determining applicability to 45CSR14 (PSD) and 45CSR30 (Title V). Therefore, Greenbrier Smokeless Coal Mining, LLC's proposed raw coal screening plant (G10-D159) and their existing wet wash coal preparation plant and railcar loadout facility (G10-D085E) shall be combined when determining applicability and share the common facility ID Number of 025-00068.

Facility Location: Rupert, Greenbrier County, West Virginia  
Mailing Address: PO Box Q, 4425 Anjean Road, Rupert, WV 25984  
Facility Description: Coal Preparation Plant  
SIC Codes: 1221 (Bituminous Coal & Lignite - Surface)  
NAICS Codes: 212111 (Bituminous Coal and Lignite Surface Mining)  
UTM Coordinates: Easting: 531.25110 km • Northing: 4209.67571 km • NAD83 Zone 17N  
Lat/Lon Coordinates: Latitude: 38.034257 • Longitude: -80.643889 • NAD83  
Registration Type: Construction  
Description of Change: Application to construct a 200 TPH and 1,752,000 TPY raw coal screening facility consisting of one dump bin, one screen, four belt conveyors and four open storage piles.

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.*

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*As a result of this permit, the source is a nonmajor or area source subject to 45CSR30. Therefore, the facility is not subject to the permitting requirements of 45CSR30 and is classified as a deferred source.*

**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 27, 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 <sup>1</sup>	G10-D Applicable Sections <sup>2</sup>	Emission Unit Description	Maximum Permitted Throughput		Control Device <sup>3</sup>	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device <sup>3</sup>
<b>Raw Coal Screening Plant</b>									
OS-01	C 2015	5 and 8	Raw Coal Open Storage Pile - 15,000 ton capacity - maximum base area of 28,869 ft <sup>2</sup> and 50' height - receives raw coal from trucks, stores it and then a front-end loader transfers it into BS-01	200	1,752,000	WS	B A	TP-01 TP-02	UL-MDH UD-PW
BS-01	C 2015	5 and 8	Dump Bin - 20 ton capacity - receives raw coal from a front-end loader and then feeds it onto BC-01	200	1,752,000	PW	B A	TP-02 TP-03	UD-PW TC-FE
BC-01	C 2015	5 and 8	Belt Conveyor - receives raw coal from BS-01 and transfers it to SS-01	200	1,752,000	PE	B A	TP-03 TP-04	TC-FE TC-FE
SS-01	C 2015	5 and 8	Triple Deck Screen - receives raw coal from BC-01, sizes it and the 2" x 0 material drops onto BC-02, the 1" x 0 material drops onto BC-03 while the 3/8" x 0 material drops onto BC-04	200	1,752,000	FE	B A A A	TP-04 TP-05 TP-08 TP-11	TC-FE TC-FE TC-FE TC-FE
BC-02	C 2015	5 and 8	Belt Conveyor - receives the sized 2" x 0 coal from SS-01 and transfers it to OS-02	100	584,000	N	B A	TP-05 TP-06	TC-FE TC-MDH
OS-02	C 2015	5 and 8	Sized Raw Coal Open Storage Pile - 5,000 ton capacity - maximum base area of 8,869 ft <sup>2</sup> and 20' height - receives sized 2" x 0 raw coal from BC-02, stores it and then a front-end loader transfers it to trucks for shipment	100	584,000	WS	B A	TP-06 TP-07	TC-MDH LO-MDH
BC-03	C 2015	5 and 8	Belt Conveyor - receives the sized 1" x 0 coal from SS-01 and transfers it to OS-03	100	584,000	N	B A	TP-08 TP-09	TC-FE TC-MDH
OS-03	C 2015	5 and 8	Sized Raw Coal Open Storage Pile - 5,000 ton capacity - maximum base area of 8,869 ft <sup>2</sup> and 20' height - receives sized 1" x 0 raw coal from BC-03, stores it and then a front-end loader transfers it to trucks for shipment	100	584,000	WS	B A	TP-09 TP-10	TC-MDH LO-MDH

Equipment ID No.	Date of Construction, Reconstruction or Modification <sup>1</sup>	G10-D Applicable Sections <sup>2</sup>	Emission Unit Description	Maximum Permitted Throughput		Control Device <sup>3</sup>	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device <sup>3</sup>
BC-04	C 2015	5 and 8	Belt Conveyor - receives the sized 3/8" x 0 coal from SS-01 and transfers it to OS-04	100	584,000	N	B A	TP-11 TP-12	TC-FE TC-MDH
OS-04	C 2015	5 and 8	Sized Raw Coal Open Storage Pile - 5,000 ton capacity - maximum base area of 8,869 ft <sup>2</sup> and 20' height - receives sized 3/8" x 0 raw coal from BC-04, stores it and then a front-end loader transfers it to trucks for shipment	100	584,000	WS	B A	TP-12 TP-13	TC-MDH LO-MDH

- <sup>1</sup> 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.
- <sup>2</sup> 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.
- <sup>3</sup> Control Device Abbreviations: FE - Full Enclosure; FW - Full Enclosure with Water Sprays; PE - Partial Enclosure; PW - Partial Enclosure with Water Sprays; WS - Water Sprays; and NC - No Control.

### Emission Limitations

- Facility-wide Emissions - Greenbrier Smokeless Coal Mining, LLC Pollock Screening Plant	Maximum Controlled PM Emissions		Maximum Controlled PM <sub>10</sub> Emissions	
	lb/hour	TPY	lb/hour	TPY
<b>Fugitive Emissions</b>				
Open Storage Pile Emissions	0.63	2.78	0.30	1.31
Unpaved Haulroad Emissions	408.53	1,789.70	118.07	517.23
Paved Haulroad Emissions	0.43	1.90	0.08	0.37
<i>Fugitive Emissions Total</i>	<i>409.59</i>	<i>1,794.34</i>	<i>118.45</i>	<i>518.89</i>
<b>Point Source Emissions</b>				
Equipment Emissions	39.40	172.57	18.52	81.11
Transfer Point Emissions	8.42	25.44	3.98	12.03
Generators	0.57	0.14	0.57	0.14
<i>Point Source Emissions Total (PTE)</i>	<i>47.82</i>	<i>198.01</i>	<i>22.50</i>	<i>93.14</i>
<b>FACILITY EMISSIONS TOTAL</b>	<b>457.41</b>	<b>1,992.35</b>	<b>140.95</b>	<b>612.03</b>

### Storage Tanks

Source ID No.	Status	Content	Design Capacity			Orientation	G10-D Applicable Sections
			Volume	Diameter	Throughput		
T1	EXIST	Diesel	1,000	4	8,000	HORZ	10
T2	EXIST	Diesel	500	4	3,000	HORZ	10
T3	EXIST	Nalco 8800	5,000	6	5,000	VERT	10
T4	EXIST	Nalco 8800	5,000	6	5,000	VERT	10
T5	EXIST	Nalco 8800	5,500	6	5,000	VERT	10
T6	EXIST	Nalco 8800	5,500	6	5,000	VERT	10
T7	EXIST	Diesel	3,000	5.5	12,000	HORZ	10
T8	EXIST	Kerosene	500	4	2,000	HORZ	10
T9	EXIST	Diesel	2,000	6	8,000	HORZ	10
T10	EXIST	Diesel	500	4	2,000	HORZ	10

Source ID No.	Status	Content	Design Capacity			Orientation	G10-D Applicable Sections
			Volume	Diameter	Throughput		
T11	EXIST	Diesel	500	4	2,000	HORZ	10
T12	EXIST	Cationic Flocc	5,000	6	30,000	VERT	10
T13	EXIST	Anionic Flocc	5,000	6	30,000	VERT	10

**Engines**

Source ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
Gen Set-1,2,3	Emergency Generators Combined	Nitrogen Oxides	36.01	9.01
		Carbon Monoxide	5.27	1.33
		Volatile Organic Compounds	1.74	0.43
		Particulate Matter (<10 microns)	0.57	0.14
		Sulfur Dioxide	0.85	0.21
		Formaldehyde	0.0014	0.0004

**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**

Emission Unit ID No.	Emission Unit Description (Make, Model, Serial No., etc.)	Year Installed	Design Capacity (Bhp/rpm)
Gen Set-1	Generac OHVI V-Twin	2009	32 / 3,600
Gen Set-2	Ford V-6 4 Stroke OHV	2008	NA
Gen Set-3	Caterpillar FN02046	2009	2,628 / 1,800

**Reciprocating Internal Combustion Engines (R.I.C.E.) Information**

Emission Unit ID No.	Subject to 40CFR60 Subpart III?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 9.1.4/9.2.1 (Catalytic Reduction Device)
Gen Set-1	NA	No	No
Gen Set-2	NA	No	No
Gen Set-3	Tier 1 Certified	NA	No