



west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
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Jim Justice, Governor
Austin Caperton, Cabinet Secretary
www.dep.wv.gov

April 28, 2017

Michael Necessary, Authorized Agent
Greenbrier Smokeless Coal Mining, LLC
PO Box Q
4425 Anjean Road
Rupert, WV 25984

Re: Application Status: Approved
Greenbrier Smokeless Coal Mining, LLC
Kuhn Ridge Surface Mine - Coal Screen
Registration Application G10-D167
Plant ID No. 025-00116

Dear Mr. Necessary:

Your application for a General Permit G10-D registration to construct a coal screening plant 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 registration G10-D167 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.

A copy of the complete General Permit G40-C may be obtained from the DAQ's website at the following address: <http://www.dep.wv.gov/daq/permitting/Pages/airgeneralpermit.aspx>.

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.

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,

Promoting a healthy environment.

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, please contact me at (304) 926-0499, ext. 1210.

Sincerely,



Daniel P. Roberts, Engineer Trainee
NSR Permitting Section

Enclosures

c: Michael C. Necessary, mnecessary@gscoal.com
Leslie Lavender, llavender@gscoal.com
Donna Toler, donnatoler@suddenlink.net

West Virginia Department of Environmental Protection

Division of Air Quality

*Jim Justice
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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-D167

Issued to:

**Greenbrier Smokeless Coal Mining, LLC
Kuhn Ridge Surface Mine - Coal Screening Plant
025-00116**

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

*William F. Durham
Director*

Effective: April 28, 2017

This Class II General Permit Registration will not supersede any existing general permit registrations or Rule 13 individual permits.

Greenbrier Smokeless Coal Mining, LLC has also submitted application G40-C083 for a rock crushing and screening plant. The proposed raw coal screening plant (G10-D167) and proposed rock crushing and screening plant (G40-C083) will be located on the contiguous or adjacent property and will share a common facility ID number of 025-00116. The proposed rock crushing and screening plant is considered a support facility for the proposed raw coal screening plant since the rock that is being crushed will be used in maintaining the haulroads used to transport the raw coal.

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: 538.59128 km • Northing: 4208.19330 km • NAD83 Zone 17N
Lat/Lon Coordinates: Latitude: 38.020613 • Longitude: -80.560328 • NAD83
Registration Type: Construction
Description of Change: Construction of a Powerscreen Warrior 1800 2 Deck Heavy Duty Incline Screen powered by a Caterpillar C4.4 4 cylinder 82 kW (110 hp) engine E1 manufactured in 2014. Engine E1 is Tier 4i / Stage 3B certified. This 600 TPH and 5,625,000 TPY raw coal screening plant will consist of one dump bin, one screen, five belt conveyors and three open storage piles and be used to size direct-ship pit cleaned coal from a surface mine.

Subject to 40CFR60 Subpart Y? Yes
Subject to 40CFR60 Subpart IIII? Yes
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.

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 IIII)
- Section 12 Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ)

Emission Units

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
Raw Coal Screening Plant									
BS-01	C 2017	5 and 8	Front-end Loader Feed Bin - 20 tons capacity - receives raw pit-cleaned raw coal from a front-end loader and feeds in onto BC-01	600	5,625,000	PW	B A	TP-01 TP-02	UD-PW TC-FE
BC-01	C 2017	5 and 8	Belt Conveyor - receives raw coal from the BS-01 and transfers it to SS-01	600	5,625,000	NC	B A	TP-02 TP-03	TC-FE TC-FE
SS-01	C 2017	5 and 8	Double Deck Screen - receives raw coal from BC-01, sizes it and drops onto BC-02	600	5,625,000	FE	B A	TP-03 TP-04	TC-FE TC-FE
BC-02	C 2017	5 and 8	Belt Conveyor - receives the sized raw coal from SS-01 and transfers it to BC-03, BC-04 or BC-05	600	5,625,000	NC	B A A A	TP-04 TP-05 TP-08 TP-11	TC-FE TC-FE TC-FE TC-FE
BC-03	C 2017	5 and 8	Belt Conveyor - receives the sized raw coal from BC-02 and transfers it to OS-01	600	5,625,000	NC	B A	TP-05 TP-06	TC-FE TC-MDH
OS-01	C 2017	5 and 8	Sized Raw Coal Open Storage Pile - maximum 5,000 tons capacity, 8,869 ft ² base area and 20' height - receives sized raw coal from BC-03, stores it and then a front-end loader transfers it to trucks for shipment.	600	5,625,000	WS	B A	TP-06 TP-07	TC-MDH LO-MDH
BC-04	C 2017	5 and 8	Belt Conveyor - receives the sized raw coal from BC-02 and transfers it to OS-02	600	5,625,000	PE	B A	TP-08 TP-09	TC-FE TC-MDH
OS-02	C 2017	5 and 8	Sized Raw Coal Open Storage Pile - maximum 5,000 tons capacity, 8,869 ft ² base area and 20' height - receives sized raw coal from BC-04, stores it and then a front-end loader transfers it to trucks for shipment.	600	5,625,000	WS	B A	TP-09 TP-10	TC-MDH LO-MDH

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-05	C 2017	5 and 8	Belt Conveyor - receives the sized raw coal from BC-02 and transfers it to OS-03	600	5,625,000	PE	B A	TP-11 TP-12	TC-FE TC-MDH
OS-03	C 2017	5 and 8	Sized Raw Coal Open Storage Pile - maximum 5,000 tons capacity, 8,869 ft ² base area and 20' height - receives sized raw coal from BC-05, stores it and then a front-end loader transfers it to trucks for shipment	600	5,625,000	WS	B A	TP-12 TP-13	TC-MDH LO-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; MDH - Minimize Drop Height; and NC - No Control.

Emission Limitations

- Facility-wide Emissions - Greenbrier Smokeless Coal Mining, LLC Kuhn Ridge Surface Mine - Coal Screening Plant	Maximum Controlled PM Emissions		Maximum Controlled PM ₁₀ Emissions	
	lb/hour	TPY	lb/hour	TPY
Fugitive Emissions				
Open Storage Pile Emissions	0.04	0.19	0.02	0.09
Unpaved Haulroad Emissions	108.14	474.84	31.25	137.23
Paved Haulroad Emissions	0.00	0.00	0.00	0.00
<i>Fugitive Emissions Total</i>	<i>108.18</i>	<i>475.02</i>	<i>31.27</i>	<i>137.32</i>
Point Source Emissions				
Equipment Emissions	12.00	52.56	5.64	24.70
Transfer Point Emissions	4.70	20.58	2.22	9.73
Engine E1	< 0.01	0.01	<0.01	0.01
<i>Point Source Emissions Total (PTE)</i>	<i>16.70</i>	<i>73.15</i>	<i>7.86</i>	<i>34.44</i>
FACILITY EMISSIONS TOTAL	124.88	548.17	39.13	171.76

Storage Tanks

Source ID No.	Status	Content	Design Capacity			Orientation	Liquid Height
			Volume	Diameter	Throughput		
T1	Existing	Diesel	1,000 gal	4'	8,000 gal	horizontal	

Reciprocating Internal Combustion Engines

Emission Unit ID No.	Emission Unit Description (Make, Model, Serial No., etc.)	Year Manufactured	Year Installed	Design Capacity (Bhp/rpm)
E1	Caterpillar 4.4 - Tier 4i / Stage 3B	2014	2016	110 bhp / 2,200 rpm

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

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)
E1	Yes	No	N/A

Engines

Source ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (TPY)
E1	Caterpillar 4.4 Tier 4i / Stage 3B	Nitrogen Oxides	0.07	0.11
		Carbon Monoxide	0.91	1.36
		Particulate Matter (<10 microns)	< 0.01	0.01
		Volatile Organic Compounds	0.03	0.05
		Sulfur Dioxide	0.23	0.34
		Total HAP	0.01	0.01

Control Devices - *Not Applicable*

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