

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-D057B

Issued to:

**Rivers Edge Mining, LLC
Jarrells Branch Coal Handling Facility
005-00078**

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

*William F. Durham
Director*

Issued: April 17, 2015

This Class II General Permit Registration will supercede and replace registration G10-D057A approved on February 1, 2006.

According to application G10-B057B, Rivers Edge Mining LLC's Jarrells Branch facility feeds coal to Black Stallion Overland Belt, which is part of Eastern Associated Coal, LLC's Wells Prep Plant (005-00016, G10-D031F). Rivers Edge Mining LLC and Eastern Associated Coal, LLC are both subsidiaries of Patriot Coal Corporation and are located on one or more contiguous or adjacent properties. Therefore, these two facilities 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).

Facility Location: Wharton, Boone County, West Virginia
Mailing Address: PO Box 1001, Scott Depot, WV 25560
Facility Description: Wet Wash Coal Preparation Plant
SIC Codes: 1221 (Bituminous Coal & Lignite - Surface)
1222 (Bituminous Coal & Lignite - Underground)
NAICS Codes: 212111 (Bituminous Coal and Lignite Surface Mining)
212112 (Bituminous Coal Underground Mining)
UTM Coordinates: 440.7 km Easting • 4196.9 km Northing • NAD83 Zone 17N
Lat/Lon Coordinates: Latitude: 37.917715 • Longitude: -81.674662 • NAD83
Registration Type: Class I Administrative Update
Description of Change: **After-the-Fact** modification from reconfiguring the facility in 2011 because of the closing of the Rivers Edge Mine. At the Rivers Edge Mine, open stockpile OS1 and CC11 Underground Mine Belt have been deleted and conveyor BC3 was relocated to the CC10 Mine Portal. Also, the maximum throughputs for conveyor BC1 have been increased from 750 TPH and 1,050,000 TPY to 750 TPH and 4,575,000 TPY and conveyor BC4 from 1,500 TPH and 9,000,000 TPY to 2,250 TPH and 10,050,000 TPY.

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

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 Circuit									
BC1	M 2011 ⁴ C 1997	5 and 8	Belt Conveyor - receives raw coal from the CC10 Mine Portal and transfers it to BC3	750	4,575,000	N	B A	T1 T2	PE MC - N
BC3	M 2011 ⁴ C 2002	5 and 8	Belt Conveyor - receives raw coal from BC3 and transfers it to OS2	750	4,575,000	PE	B A	T2 T3	MC - N FE
OS2	C 2002	5 and 6	Raw Coal Stockpile - maximum 40,000 tons capacity, 49,598 ft ² base area and 88' height - receives raw coal from BC3, stores it and then underground reclaim feeders transfer it onto BC4 or an endloader transfers it to trucks	750 in out	4,575,000	N	B A A	T3 T7 T9	FE FE PE
BC4	M 2011 ⁴ C 2002	5 and 8	Belt Conveyor - receives raw coal from OS2 and transfers it to BC2	2,250	10,050,000	PE	B A	T7 T8	FE FE
BC2	C 1997	5 and 6	Belt Conveyor - receives raw coal from BC4 and transfers it to the Black Stallion Overland Belt which feeds Eastern Associated Coal LLC's Wells Prep Plant (005-00016, G10-D031F)	2,250	10,050,000	PE	B A	T8 T4	FE FE

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 on or before April 28, 2008 shall not discharge gases which exhibit 20 percent opacity or greater. 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.

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.

⁴ According to the application, the proposed changes were incorporated in 2011, but were not addressed until application G10-D057B was submitted in 2015.

Emission Limitations

Facility-wide Emissions - G10-D057B Rivers Edge Mining, LLC Jarrells Branch Coal Handling Facility	Maximum Controlled PM Emissions		Maximum Controlled PM ₁₀ Emissions	
	lb/hour	TPY	lb/hour	TPY
Fugitive Emissions				
Open Storage Pile Emissions	0.16	0.69	0.07	0.33
Unpaved Haulroad Emissions	42.30	184.60	12.49	54.49
Paved Haulroad Emissions	0.00	0.00	0.00	0.00
<i>Fugitive Emissions Total</i>	<i>42.26</i>	<i>185.29</i>	<i>12.56</i>	<i>54.81</i>
Point Source Emissions				
Equipment Emissions	0.00	0.00	0.00	0.00
Transfer Point Emissions	4.28	10.55	2.02	4.99
<i>Point Source Emissions Total (PTE)</i>	<i>4.28</i>	<i>10.55</i>	<i>2.02</i>	<i>4.99</i>
FACILITY EMISSIONS TOTAL	46.73	195.84	14.58	59.80

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)