

**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-D100E**

Issued to:

**Coyote Coal Company LLC**  
**Blue Creek Prep Plant**  
**039-00550**

A handwritten signature in black ink, appearing to read "William F. Durham", written over a horizontal line.

*William F. Durham*  
Director

*Issued: June 15, 2010 • Effective: December 9, 2014*

This Class II General Permit Registration will supercede and replace registration G10-D100D approved on February 18, 2011.

Facility Location: Tad, Kanawha County, West Virginia  
Mailing Address: PO Box 1001, Scott Depot, WV 25601  
Facility Description: Coal Preparation Plant  
SIC Codes: 1222 (Bituminous Coal & Lignite - Underground)  
NAICS Codes: 212112 (Bituminous Coal Underground Mining)  
UTM Coordinates: 459.926 km Easting • 4244.5023 km Northing • Zone 17  
Lat/Lon Coordinates: Latitude: 38.347778 • Longitude: -81.458611 • NAD83  
Registration Type: Modification  
Description of Change: Modification to add raw coal stacker BC-14 and clean coal reclaim belt conveyor BC-15. Also, this application will include the emissions from transfer points TP-07, TP-08 and TP-09 which were previously listed in the input section of the emission calculation spreadsheet, but for an unknown reason were not tallied on the transfer point emission summary page.

Subject to 40CFR60 Subpart Y? Yes  
Subject to 40CFR60 Subpart III? No  
Subject to 40CFR60 Subpart JJJ? 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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*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 <sup>1</sup>	G10-D Applicable Sections <sup>2</sup>	Emission Unit Description	Maximum Permitted Throughput		Control Equipment <sup>3</sup>	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Equipment <sup>3</sup>
<b>Deep Mined Raw Coal Circuits</b>									
BC-01	C 2008 <sup>4</sup>	5 and 7	Belt Conveyor - receives raw coal from Blue Creek #2 Mine and transfers it to BC-02	3,500	10,950,000	PE	B A	TP-02 TP-03	TC-FE TC-FE
BC-02	C 2008 <sup>4</sup>	5 and 7	Stacker Belt Conveyor - receives raw coal from BC-01 and transfers it to OS-05	3,500	10,950,000	PE	B A	TP-03 TP-04	TC-FE TC-MDH
OS-05	C 2010	5 and 8	Raw Coal Stockpile - maximum 50,000 tons capacity, 88,869 ft <sup>2</sup> base area and 75' height - receives raw coal from BC-02, stores it and then an endloader loads it to trucks for transport to OS-06 or OS-02 (see below)	3,500	10,950,000	WS	B A	TP-04 TP-29	TC-MDH LO-MDH
OS-06	C 2010	5 and 8	Raw Coal Stockpile - maximum 150,000 tons capacity, 288,869 ft <sup>2</sup> base area and 60' height - receives raw coal from OS-01 and OS-05, stores it and then an endloader loads it to trucks for transport to OS-07	----	10,950,000	WS	B A	TP-29 TP-32	LO-MDH UL-MDH
OS-07	C 2010	5 and 8	Raw Coal Stockpile - maximum 300,000 tons capacity, 688,869 ft <sup>2</sup> base area and 60' height - receives raw coal from OS-06, stores it and then an endloader loads it to trucks for transport to OS-02 (see below)	----	10,950,000	WS	B A	TP-32 TP-33	UL-MDH UL-MDH
BC-03	C 2008 <sup>4</sup>	5 and 7	Belt Conveyor - receives raw coal from Blue Creek #1 Mine and transfers it to BC-12	3,500	10,950,000	PE	B A	TP-05 TP-06	TC-FE TC-FE
BC-12	C 2010	5 and 8	Radial Stacker Belt Conveyor - receives raw coal from BC-03 and transfers it onto OS-01	3,500	10,950,000	PE	B A	TP-06 TP-28	TC-FE TC-MDH

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				TPH	TPY		Location: B - Before A - After	ID No.	Control Equipment <sup>3</sup>
OS-01	M 2008 C 2008 <sup>4</sup>	5 and 7	Raw Coal Stockpile - maximum 50,000 tons capacity, 88,869 ft <sup>2</sup> base area and 75' height - receives raw coal from BC-12, stores it and then an endloader loads it to trucks for transport to OS-06 or underpile feeders place it onto BC-04	3,500	10,950,000	WS	B A A	TP-28 TP-29 TP-07	TC-MDH LO-MDH LO-UC
BC-04	Not Yet Constructed *	5 and 8	Belt Conveyor - receives raw coal from OS-01 via underpile feeders and transfers it to BC-14 (* Permitted in 2008, but not yet constructed as of November 2014)	3,500	10,950,000	PE	B A	TP-07 TP-08	LO-UC TC-FE
BC-14	C 2014	5 and 8	Belt Conveyor - receives raw coal from BC-04 and transfers it onto OS-02	3,500	10,950,000	PE	B A	TP-08 TP-39	TC-FE TC-MDH
OS-02	C 2008 <sup>4</sup>	5 and 7	Raw Coal Stockpile - maximum 100,000 tons capacity, 188,869 ft <sup>2</sup> base area and 75' height - receives raw coal delivered by trucks from outside sources, trucks transferring it from OS-07 and BC-14, stores it and then underpile reclaim feeders drop it onto BC-05	3,500 in 1,250 out	10,950,000	WS	B B A	TP-01 TP-39 TP-09	UL-MDH TC-MDH LO-UC
BC-05	C 2008 <sup>2</sup>	5 and 7	Belt Conveyor - receives raw coal from OS-02 via underpile reclaim feeders and transfers it to SS-01	1,250	10,950,000	PE	B A	TP-09 TP-10	LO-UC TC-FE
SS-01	C 2008 <sup>4</sup>	5 and 7	Double Deck Screen - receives raw coal from BC-05, sizes it to 4"x0 and then transfers sized raw coal to CR-01 and 7"+ oversize coal from SS-01 (approx. 5%) to CR-02	1,250	10,950,000	FW	B A A	TP-10 TP-11 TP-30	TC-FE TC-FW TC-FE
CR-01	C 2008 <sup>4</sup>	5 and 7	MMD Sizer - receives sized raw coal from SS-01, crushes it to 6"x0 and then drops it onto BC-06	1,250	10,950,000	FW	B A	TP-11 TP-12	TC-FW TC-FW
CR-02	C 2010	5 and 8	McClanahan Double Roll Crusher - receives 7"+ oversize coal from SS-01 (approx. 5%), crushes it and then drops it onto BC-06	800	547,500	FW	B A	TP-30 TP-31	TC-FE TC-FE
BC-06	C 2008 <sup>4</sup>	5 and 7	Belt Conveyor - receives crushed raw coal from CR-01 and CR-02 and transfers it into the prep plant	1,250	10,950,000	PE	B B A	TP-12 TP-31 TP-13	TC-FW TC-FE TC-WW
<b>Prep Plant Clean Coal Circuit</b>									
BC-07	C 2008 <sup>4</sup>	5 and 7	Belt Conveyor - receives sized (2"x0) clean coal from prep plant and transfers it to BC-08	1,000	8,760,000	PE	B A	TP-14 TP-15	TC-WW TC-FE
BC-08	C 2008 <sup>4</sup>	5 and 7	Belt Conveyor - receives sized (2"x0) clean coal from BC-07 and transfers it to BC-09	1,000	8,760,000	PE	B A	TP-15 TP-16	TC-FE TC-FE
BC-09	C 2008 <sup>4</sup>	5 and 7	Belt Conveyor - receives sized (2"x0) clean coal from BC-08 and transfer it to OS-03	1,000	8,760,000	PE	B A	TP-16 TP-17	TC-FE TC-MDH
OS-03	C 2008 <sup>4</sup>	5 and 7	Clean Coal Stockpile - maximum 100,000 tons capacity, 188,869 ft <sup>2</sup> base area and 75' height - receives sized (2"x0) clean coal from BC-09, stores it and then underpile reclaim feeders drop it onto BC-15	1,000 in 1,200 out	8,760,000	WS	B A	TP-17 TP-18	TC-MDH LO-UC
BC-15	C 2014	5 and 8	Belt Conveyor - receives sized (2"x0) clean coal from OS-03 and transfers it to BC-10	1,200	8,760,000	PE	B A	TP-18 TP-40	LO-UC TC-FE
BC-10	C 2008 <sup>4</sup>	5 and 7	Belt Conveyor - receives sized (2"x0) clean coal from BC-15 and transfers it to BS-01	1,200	8,760,000	PE	B A	TP-40 TP-19	TC-FE TC-FE
BS-01	C 2008 <sup>4</sup>	5 and 7	Clean Coal Truck Loadout Bin - 1,000 ton capacity - receives sized (2"x0) clean coal from BC-10, stores it temporarily and then loads it to trucks for shipment	----	8,760,000	FE	B A	TP-19 TP-20	TC-FE LO-MDH
<b>Prep Plant Refuse Circuit</b>									
BC-11	C 2008 <sup>4</sup>	5 and 7	Belt Conveyor - receives refuse from prep plant and transfers it to OS-04 or BS-02	600	5,256,000	PE	B A A	TP-21 TP-22 TP-25	TC-WW TC-FE TC-MDH
BS-02	C 2008 <sup>4</sup>	5 and 7	Refuse Truck Loadout Bin - 400 ton capacity - receives refuse from BC-11, stores it temporarily and then loads it to trucks for delivery to the refuse disposal area	----	5,256,000	FE	B A A	TP-22 TP-23 TP-27	TC-FE LO-MDH UL-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 Equipment <sup>3</sup>	Associated Transfer Points		
				TPH	TPY		Location: B - Before A - After	ID No.	Control Equipment <sup>3</sup>
OS-04	C 2008 <sup>4</sup>	5 and 7	Refuse Stockpile - maximum 10,000 tons capacity, 18,869 ft <sup>2</sup> base area and 45' height - receives refuse from BC-11, stores it and then a front-end loader transfers it to trucks for delivery to the refuse disposal area	600	5,256,000	WS	B A A	TP-25 TP-26 TP-27	TC-MDH LO-MDH UL-MDH
BC-13	C 2011	5 and 8	72" Belt Conveyor - receives refuse material prep plant to the Filter Press building and transfers it to BS-03	100	876,000	PE	B B A	TP-34 TP-35 TP-36	TC-FE TC-FE TC-FE
BS-03	C 2011	5 and 8	Refuse Bin - 100 ton capacity - receives refuse material from BC-13, stores it temporarily and then it is loaded to truck via fixed chute for delivery to the disposal area	---	876,000	FE	B A A	TP-36 TP-37 TP-38	TC-FE LO-MDH UL-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 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. 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; TC - Telescopic Chute; UC - Under-pile Conveyor (full enclosure); MDH - Minimize Drop Height; and N - No Control.
- <sup>4</sup> Dump bin BS-06 and belt conveyor BC-35 are currently out of service and would require a great deal of mechanical work to restore, but has been included in the registration for operational flexibility.

**Emission Limitations**

Facility-wide Emissions - G10-D100E Coyote Coal Company LLC Blue Creek Prep 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	2.34	10.24	1.10	4.81
Unpaved Haulroad Emissions	529.93	2,321.21	153.15	670.85
Paved Haulroad Emissions	0.00	0.00	0.00	0.00
<i>Fugitive Emissions Total</i>	<i>532.27</i>	<i>2,331.45</i>	<i>154.25</i>	<i>675.66</i>
<b>Point Source Emissions</b>				
Equipment Emissions	16.60	66.25	7.80	31.14
Transfer Point Emissions	18.16	45.59	8.59	21.56
<i>Point Source Emissions Total (PTE)</i>	<i>34.76</i>	<i>111.84</i>	<i>16.39</i>	<i>52.70</i>
<b>FACILITY EMISSIONS TOTAL</b>	<b>567.03</b>	<b>2,443.29</b>	<b>170.64</b>	<b>728.36</b>

**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)