

West Virginia Department of Environmental Protection

Division of Air Quality

*Earl Ray Tomblin
Governor*

*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-D086G

Issued to:
Maple Coal Co., LLC
Katie Preparation Plant
019-00012

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

*William F. Durham
Director*

Effective: March 27, 2015

This Class II General Permit Registration will supercede and replace registration G10-D086D approved on November 19, 2012.

The company submitted applications numbered G10-D086E and G10-D086F, but each of them were withdrawn.

Facility Location: Powellton, Fayette County, West Virginia
Mailing Address: 702 Professional Park Drive - Suite D, Summersville, WV 26651
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: 470.49327 km Easting • 4213.42928 km Northing • NAD83 Zone 17N
Lat/Lon Coordinates: Latitude: 38.07000 • Longitude: -81.33639 • NAD83
Registration Type: Modification
Description of Change: **After-the-Fact** modification to do the following: add a 300 TPH and 100,000 TPY portable crushing and screening plant to be located near the surface mine and consisting of crusher CR-3, screen SC-1, stockpiles OS-4 and OS-5, conveyors BC-23, BC-24, BC-25 and BC-26 and associated haulroad traffic; add fine clean coal belt conveyors BC-21 and BC-22 and stockpile OS-3 adjacent to the wet wash preparation plant; and increase the round trip length of the refuse haul road from truck loadout bin BS-9 to the refuse disposal area from 2.5 miles to the actual haul distance of 4.20 miles.

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 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

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 - Portable Crushing and Screening Plant at Surface Mine									
OS4	C 2014	5 and 8	Raw Coal Open Stockpile - maximum 5,000 tons capacity, 175,000 ft ² base area and 25' height - receives raw coal from trucks, stores it and then an endloader transfers it to CR3	300	100,000	WS	B A	T51 T52	N PE
CR3	C 2014 *	5 and 8	Double Roll Crusher- receives raw coal from OS4 via an endloader, crushes it from <6" to 2" and then drops it onto BC23 (* CR3 was manufactured in 1999)	300	100,000	FE	B A	T52 T53	N FE
BC23	C 2014	5 and 8	Belt Conveyor - receives crushed raw coal from CR3 and transfers it to SC1	300	100,000	PE	B A	T53 T54	FE PE
SC1	C 2014	5 and 8	Triple Deck Screen - receives raw coal from BC23, classifies it and then drops the 2" stoker coal onto BC24, 3/8" fine coal onto BC25 and >2" oversize coal onto BC26	300	100,000	FE	B A A A	T54 T55 T57 T59	PE PE PE PE
BC24	C 2014	5 and 8	Belt Conveyor - receives 2" stoker raw coal from SC1 and transfers it to OS5	300	50,000	PE	B A	T55 T56	PE N
BC25	C 2014	5 and 8	Belt Conveyor - receives 3/8" fine raw coal from SC1 and transfers it to OS5	300	40,000	PE	B A	T57 T58	PE N
BC25	C 2014	5 and 8	Belt Conveyor - receives >2" oversize raw coal from SC1 and transfers it to OS5	300	10,000	PE	B A	T59 T60	PE N
OS5	C 2014	5 and 8	Raw Coal Open Stockpile Area - maximum 5,000 tons capacity, 120,000 ft ² base area and 25' height - receives sized raw coal from BC24, BC25 and BC26, stores it and then an endloader transfers it to trucks for shipment	300	100,000	WS	B B A	T56 T58 T60 T61	N N N PE
Raw Coal Circuit - Eagle Deep Mine									

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
BC16	C 2008 *	5 and 8	Belt Conveyor - receives raw coal from the Eagle Deep Mine and transfers it to BC17 (*Constructed after October 2008)	2,000	1,500,000	PE	B A	T31 T32	PE PE
BC17	C 2008 *	5 and 8	Belt Conveyor - receives raw coal from BC16 and transfers it to BS2 or BC19 (*Constructed after October 2008)	2,000	1,500,000	PE	B A	T32 T33	PE PE/WS
BC19	C 2010	5 and 8	Belt Conveyor - receives raw coal from BC17 and transfers it to open stockpile OS1	600	750,000	PE	B A	T33 T38	PE/WS N
OS1	C 2010	5 and 8	Raw Coal Open Stockpile - maximum 20,000 tons capacity, 100,000 ft ² base area and 25' height - receives raw coal from BC19 when diverted from BS2. Coal will be loaded out of the stockpile and back into BS2 either by endloader or shoved into the bin by a dozer.	----	750,000	WS	B A	T38 T39	N PE/WS
BS2	C 2006	5 and 6	60 ton Raw Coal Bin - receives raw coal from BC17 or OS1 and then drops it to CR2	2,000 in 600 out	1,500,000	PE/WS	B B A	T33 T39 T34	PE/WS PE/WS FE
CR2	C 2006	5 and 6	Rotary Breaker - receives raw coal from BS2, crushes it from 6" to 2" and then drops it to BC4	600	1,500,000	FE	B A	T34 T14	FE FE
BC4	C 2006	5 and 6	Belt Conveyor - receives sized raw coal from CR2 and transfers it to BC5	600	1,500,000	PE	B A	T14 T15	FE FE
BC5	C 2006	5 and 6	Belt Conveyor - receives sized raw coal from BC4 and transfers it to BC6	600	1,500,000	PE	B A	T15 T16	FE FE
BC6	C 2006	5 and 6	Belt Conveyor - receives sized raw coal from BC5 and transfers it to BS6	600	1,500,000	PE	B A	T16 T17	FE FE
BS6	C 2006	5 and 6	Raw Coal Silo 1 - 4,200 tons capacity - receives sized raw coal from BC6, stores it and then drops it to BC7 (see Trucked Raw Coal Circuit). May also receive coal from BC18 at times when the plant is not operating due to maintenance or equipment failure.	600	3,000,000	FE	B A	T17 T18	FE FE
Trucked Raw Coal Circuit									
BS3	C 2006	5 and 6	Raw Coal Truck Dump Bin - 60 tons capacity - receives raw coal from trucks and then drops it to BC10	600	1,500,000	PE/WS	B A	T19 T19A	PE/WS FE
BC10	C 2006	5 and 6	Belt Conveyor - receives raw coal from BS3 and transfers it to BC11	600	1,500,000	PE	B A	T19A T20	FE FE
BC11	C 2006	5 and 6	Belt Conveyor - receives raw coal from BC10 and transfers it to BS8 or BC7	600	1,500,000	PE	B A	T20 T22A	FE FE
BS8	C 2006	5 and 6	Raw Coal Silo 2 - 2,000 tons capacity - receives raw coal from BC11, stores it and then drops it to BC7	600	1,500,000	FE	B A	T22A T23	FE FE
BC18	C 2010	5 and 8	Belt Conveyor - receives raw coal from BS8 to divert the coal into BS6 at times when the plant is not operating due to maintenance or equipment failure.	600	1,500,000	PE	B A	T17 T22A	FE FE
BC7	C 2006	5 and 6	Belt Conveyor - receives raw coal from BC11 and transfers it to the prep plant	600	3,000,000	PE	B B A	T18 T23 T21	FE FE FE
Clean Coal Circuit									
CR1	C 2012	5 and 8	Crusher - Receives clean coal, crushes then transfers to the clean coal silo feed conveyor BC8	200	285,000	FE	B B A A	T21 T43 T44 T45	FE FE FE FE
BC8	C 2006	5 and 6	Belt Conveyor - receives clean coal from the prep plant and transfers it to BS7	600	2,850,000	PE	B B A	T22 T44 T24	FE FE FE
BS7	C 2006	5 and 6	Raw Coal Silo 3 - 2,400 tons capacity - receives clean and direct ship coal from BC8, stores it and then drops it to BC9	600	1,350,000	FE	B A	T24 T25	FE FE
BC9	C 2006	5 and 6	Belt Conveyor - receives clean coal from the prep plant (or direct ship raw coal) and transfers it to BS4	600	2,850,000	PE	B A	T25 T26	FE FE
BS4	C 2006	5 and 6	Clean Coal Truck Loadout Bin - 60 tons capacity - receives clean and direct ship coal from BC9 and then loads it to trucks	600	1,350,000	FE	B A	T26 T27	FE TC

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
OS2	C 2010	5 and 8	Clean Coal Open Stockpile - maximum 1,000 tons capacity, 5,000 ft ² base area and 20' height - receives clean coal from outgoing loaded trucks. Raw coal is taken off the truck by a small excavator into the stockpile in order to comply with DOT truck weight limit laws. The clean coal will be loaded into a truck by an endloader when a full truckload is not achieved.	100 in 400 out	10,000	WS	B A	T40 T41	N PE
Clean Coal Fines Circuit									
BC21	C 2013	5 and 8	Belt Conveyor - receives clean coal fines from the cyclones within the preparation plant and transfers them to BC22	100	72,000	PE	B A	T46 T46A	FE PE
BC22	C 2014	5 and 8	Belt Conveyor - receives clean coal fines from BC21 and transfers them to OS-3 (or BS10 in the future)	100	72,000	PE	B A	T46A T47	PE N
OS3	C 2014	5 and 8	Clean Coal Fines Open Stockpile - maximum 100 tons capacity, 2,500 ft ² base area and 15' height - receives clean coal fines BC22, stores them and then an endloader loads them to trucks	100	72,000	WS	B A	T47 T48	N PE
Refuse Circuit									
BC12	C 2006	5 and 6	Belt Conveyor - receives refuse from the prep plant and with amendment added from the refuse amendment bin (vents to baghouse) and then transfers the amended refuse to BS5 or BC20	600	1,950,000	PE	B B A	T35 T45 T30 T28	BH FE PE FE
BS5	C 2006	5 and 6	Refuse Truck Loadout Bin - 60 tons capacity - receives refuse from BC12 and then loads it to trucks	600	1,950,000	FE	B A	T28 T29	FE TC
BC20	C 2010	5 and 8	Belt Conveyor - receives refuse from BC12 and transfers it to BS9.	600	1,950,000	PE	B A	T29 T36	TC PE
BS9	C 2010	5 and 8	Refuse Truck Loadout Bin - 60 tons capacity - receives refuse from BC20. Refuse will be loaded into a truck from BS9 and taken to the refuse disposal area.	600	1,950,000	FE	B A	T36 T37	PE PE
BS9	C 2010	5 and 8	Refuse Truck Loadout Bin - 60 tons capacity - receives refuse from BC20. Refuse will be loaded into a truck from BS9 and taken to the refuse disposal area.	600	1,950,000	FE	B A	T36 T37	PE PE

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. 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; FE/WS - Full Enclosure with Water Sprays; PE - Partial Enclosure; PE/WS - Partial Enclosure with Water Sprays; WS - Water Sprays; TC - Telescopic Chute; BH - Baghouse; and N - No Control.

Emission Limitations

Facility-wide Emissions - G10-D086G Maple Coal Co., LLC Katie Preparation Plant	Maximum Controlled PM Emissions		Maximum Controlled PM ₁₀ Emissions	
	lb/hour	TPY	lb/hour	TPY
Fugitive Emissions				
Open Storage Pile Emissions	0.17	0.76	0.08	0.36
Unpaved Haulroad Emissions	149.00	1,218.29	43.98	359.59
Paved Haulroad Emissions	0.00	0.00	0.00	0.00
<i>Fugitive Emissions Total</i>	<i>149.17</i>	<i>1,219.05</i>	<i>44.06</i>	<i>359.95</i>
Point Source Emissions				
Equipment Emissions	10.40	4.77	4.89	2.24
Transfer Point Emissions	7.51	6.07	3.55	2.87
<i>Point Source Emissions Total (PTE)</i>	<i>17.91</i>	<i>10.84</i>	<i>8.44</i>	<i>5.11</i>
FACILITY EMISSIONS TOTAL				
	167.09	1,229.89	52.50	365.06

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)