

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-D160

Issued to:
Orchard Coal Company
Crab Orchard Loadout
081-00084

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

William F. Durham
Director

Issued: August 19, 2015

This Class II General Permit Registration will not affect any existing Rule 13 permits or General Permit G10-D registrations.

Facility Location: Crab Orchard, Raleigh County, West Virginia
Mailing Address: 818 N. Eisenhower Drive, Beckley, WV 25801
Facility Description: Coal Preparation Plant
SIC Codes: 1221 (Bituminous Coal & Lignite - Surface)
NAICS Codes: 212111 (Bituminous Coal and Lignite Surface Mining)
UTM Coordinates: Easting: 481.47375 km • Northing: 4177.24615 km • NAD83 Zone 17N
Lat/Lon Coordinates: Latitude: 37.742318 • Longitude: -81.210278 • NAD83
Registration Type: Modification
Description of Change: Modification to reconstruct a railcar loadout facility that has been shut down since 2002. New equipment at the facility will consist of one (1) truck dump bin, four (4) belt conveyors, two (2) open storage piles, one (1) surge bin and one (1) railcar loadout bin.

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 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
Clean Coal Circuit									
BS-01	C 2015	5 and 8	Clean Coal Dump Bin - 80 tons capacity - receives clean coal from trucks and feeds it into CR-01	500	4,380,000	PW	B A	TP-01 TP-02	UD-PW TC-FE
CR-01	C 2015	5 and 8	Single Roll Crusher - receives clean coal from BS-01, crushes it from 6" to 2" and then drops it onto BC-01	500	4,380,000	FE	B A	TP-02 TP-03	TC-FE TC-FE
BC-01	C 2015	5 and 8	Belt Conveyor - receives crushed clean coal from CR-01 and transfers it to OS-01 or BC-02	500	4,380,000	PE	B A A	TP-03 TP-04 TP-05	TC-FE TC-PE TC-FE
OS-01	C 2015	5 and 8	Clean Coal Stockpile with a Stacking Tube - maximum 25,000 tons capacity, 38,869 ft ² base area and 65' height - receives crushed clean coal from BC-01, stores it and then it is reclaimed by underground feeders onto BC-03	500	4,380,000	WS	B A	TP-04 TP-07	TC-FE LO-UC
BC-02	C 2015	5 and 8	Belt Conveyor - receives crushed clean coal from BC-01 and transfers it to OS-02	500	4,380,000	PE	B A	TP-05 TP-06	TC-FE TC-PE
OS-02	C 2015	5 and 8	Clean Coal Stockpile with a Stacking Tube - maximum 25,000 tons capacity, 38,869 ft ² base area and 65' height - receives crushed clean coal from BC-02, stores it and then it is reclaimed by underground feeders onto BC-03	500	4,380,000	WS	B A	TP-06 TP-08	TC-PE LO-UC
BC-03	C 2015	5 and 8	Belt Conveyor - receives crushed clean coal from OS-01 and OS-02 and transfers it to BC-04	4,000	4,380,000	PE	B B A	TP-07 TP-08 TP-09	LO-UC LO-UC TC-FE
BC-04	C 2015	5 and 8	Belt Conveyor - receives crushed clean coal from BC-03 and transfers it to BS-02	4,000	4,380,000	PE	B A	TP-09 TP-10	TC-FE TC-FE

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
BS-02	C 2015	5 and 8	Surge Bin - 150 tons capacity - receives crushed clean coal from BC-04 and then feeds it into BS-03	4,000	4,380,000	FE	B A	TP-10 TP-11	TC-FE TC-FE
BS-03	C 2015	5 and 8	Weigh Bin - 150 tons capacity - receives crushed clean coal from BS-02 and loads it into railcars through a telescopic chute for shipment	4,000	4,380,000	FE	B A	TP-11 TP-12	TC-FE LR-TC

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; TC - Telescopic Chute; and N - No Control.

Emission Limitations

Facility-wide Emissions - G10-D160 Orchard Coal Company Crab Orchard Loadout	Maximum Controlled PM Emissions		Maximum Controlled PM ₁₀ Emissions	
	lb/hour	TPY	lb/hour	TPY
Fugitive Emissions				
Open Storage Pile Emissions	0.12	0.54	0.06	0.26
Unpaved Haulroad Emissions	45.87	200.94	13.26	58.07
Paved Haulroad Emissions	0.00	0.00	0.00	0.00
<i>Fugitive Emissions Total</i>	<i>46.00</i>	<i>201.48</i>	<i>13.32</i>	<i>58.33</i>
Point Source Emissions				
Equipment Emissions	2.00	8.76	0.94	4.12
Transfer Point Emissions	6.00	6.79	2.84	3.21
<i>Point Source Emissions Total (PTE)</i>	<i>8.00</i>	<i>15.55</i>	<i>3.78</i>	<i>7.33</i>
FACILITY EMISSIONS TOTAL	54.00	217.03	17.09	65.66

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)