

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-D035E

Issued to:
Midland Trail Resources, LLC
No. 2 Deep Mine Screening Facility
025-00060



William F. Durham
Director

Effective: August 21, 2015

This Class II General Permit Registration will supercede and replace registration G10-D035D approved on July 16, 2014.

Facility Location: Rupert, Greenbrier County, West Virginia
Mailing Address: PO Box Q, 4425 Anjean Road, Rupert, WV 25984
Facility Description: Coal Preparation Plant
SIC Code: 1222 (Bituminous Coal & Lignite - Underground)
NAICS Code: 212112 (Bituminous Coal Underground Mining)
UTM Coordinates: Easting: 539.076 km • Northing: 4208.146 km • NAD83 Zone 17N
Lat/Lon Coordinates: Latitude: 38.020167 • Longitude: -80.554808 • NAD83
Registration Type: Class I Administrative Update
Description of Change: Class I administrative update to remove the facility's Caterpillar 3512B emergency generator.

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
Primary Coal Screening Circuit									
BC-01	C 2008 ⁴	5 and 7	Feed Conveyor - receives raw material from No. 2 Deep Mine and transfers it to screen SS-01	800	7,008,000	PE	B A	TP-01 TP-02	FE FE
SS-01	C 2008 ⁴	5 and 7	Single Deck Raw Coal Screen - receives raw material from feed conveyor BC-01, screens it and sized coal 2" x 0 transfers onto stacker conveyor BC-02 while oversize 4"+ material transfers onto stacker conveyor BC-03	800	7,008,000	FE	B A A	TP-02 TP-03 TP-06	FE FE FE
BC-02	C 2008 ⁴	5 and 7	Stacker Conveyor - receives sized coal 2" x 0 from screen SS-01 and transfers it onto open storage pile OS-01	800	7,008,000	PE	B A	TP-03 TP-04	FE MDH
OS-01	C 2008 ⁴	5 and 7	Sized Raw Coal Open Storage Pile - 40,000 ton capacity - 88,869 ft ² base area - 50' height - receives sized coal 2" x 0 from belt conveyor BC-02, stores it, and then an endloader loads it to trucks	800 in 800 out	7,008,000	WS	B A	TP-04 TP-05	MDH MDH
BC-03	C 2008 ⁴	5 and 7	Stacker Conveyor - receives oversize +4" material from screen SS-01 and transfers it onto stackpile open storage pile OS-02	800	7,008,000	PE	B A	TP-06 TP-07	FE MDH
OS-02	C 2010 ⁵	5 and 8	Oversize Material Open Storage Pile - 40,000 ton capacity - 88,869 ft ² base area - 50' height - receives oversize +4" material from belt conveyor BC-03, stores it, and then an endloader loads it to dump bin BS-01 (see Secondary Coal Screening Circuit below)	800 in 800 out	7,008,000	WS	B A	TP-07 TP-08	MDH PW
Secondary Coal Screening Circuit									
BS-01	C 2010 ⁵	5 and 8	Endloader Dump Bin - 5 ton capacity - receives oversize +4" material from open storage pile OS-02 and drops it onto belt conveyor BC-04	500	4,380,000	PW	B A	TP-08 TP-09	PW PE

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-04	C 2010 ⁵	5 and 8	Feed Conveyor - receives oversize +4" material from dump bin BS-01 and transfers it to screen SS-02	500	4,380,000	PE	B A	TP-09 TP-10	PE PE
SS-02	C 2010 ⁵	5 and 8	Single Deck Raw Coal Screen - receives oversize +4" material from feed conveyor BC-04, screens it and sized coal transfers onto stacker conveyor BC-05 while oversize refuse material transfers onto stacker conveyor BC-06	500	4,380,000	PW	B A A	TP-10 TP-11 TP-14	PE PE PE
BC-05	C 2010 ⁵	5 and 8	Stacker Conveyor - receives sized coal from screen SS-02 and transfers it onto open storage pile OS-03	500	4,380,000	PE	B A	TP-11 TP-12	PE MDH
OS-03	C 2010 ⁵	5 and 8	Sized Raw Coal Open Stock Pile - 10,000 ton capacity - 28,869 ft ² base area - 50' height - receives sized coal from belt conveyor BC-05, stores it, and then an endloader loads it to trucks	500 in 500 out	4,380,000	WS	B A	TP-12 TP-13	MDH MDH
BC-06	C 2010 ⁵	5 and 8	Stacker Conveyor - receives oversize refuse material from screen SS-02 and transfers it onto open storage pile OS-04	500	4,380,000	PE	B A	TP-14 TP-15	PE MDH
OS-04	C 2010 ⁵	5 and 8	Oversize Refuse Material Open Storage Pile - 10,000 ton capacity - 28,869 ft ² base area - 50' height - receives oversize refuse material from belt conveyor BC-06, stores it, and then an endloader loads it to trucks	500 in 500 out	4,380,000	WS	B A	TP-15 TP-16	MDH 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.
- ⁴ This equipment was constructed at the facility in 2008, but was not permitted until 2011 under registration G10-D035B.
- ⁵ This equipment was constructed at the facility in 2010, but was not permitted until 2014 under registration G10-D035C.

Emission Limitations

Facility-wide Emissions - G10-D035E Midland Trail Resources, LLC No. 2 Deep Mine Screening Facility	Maximum Controlled PM Emissions		Maximum Controlled PM ₁₀ Emissions	
	lb/hour	TPY	lb/hour	TPY
Fugitive Emissions				
Open Storage Pile Emissions	0.38	1.65	0.18	0.78
Unpaved Haulroad Emissions	34.67	153.32	10.02	44.31
Paved Haulroad Emissions	0.00	0.00	0.00	0.00
<i>Fugitive Emissions Total</i>	<i>35.04</i>	<i>154.97</i>	<i>10.20</i>	<i>45.09</i>
Point Source Emissions				
Equipment Emissions	26.00	113.88	12.22	53.52
Transfer Point Emissions	4.84	21.18	2.29	10.02
<i>Point Source Emissions Total (PTE)</i>	<i>30.84</i>	<i>135.06</i>	<i>14.51</i>	<i>63.54</i>
FACILITY EMISSIONS TOTAL	65.88	290.04	24.70	108.63

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 (NO _x)		
		Carbon Monoxide (CO)		
		Volatile Organic Compounds (VOCs)		
		Sulfur Dioxide (SO ₂)		
		Particulate Matter (PM<10 microns)		
		Total HAPs		

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.)	Date of Manufacture	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 III?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 9.1.4/9.2.1 (Catalytic Reduction Device)