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ENGINEERING EVALUATION / FACT SHEET

BACKGROUND INFORMATION

Application No.:	G10-D095C After-the-Fact
Plant ID No.:	047-00110
Applicant:	Mid-Vol Coal Sales, Inc.
Facility Name:	Eckman Preparation Plant
Location:	Eckman, McDowell County, WV
SIC Codes:	1221 (Bituminous Coal & Lignite - Surface)
NAICS Codes:	212111 (Bituminous Coal and Lignite Surface Mining)
Application Type:	Modification
Received Date:	June 10, 2016
Engineer Assigned:	Dan Roberts
Fee Amount:	$1,500
Date Received:	June 14, 2016
Applicant's Ad Date:	June 8, 2016, revised ad - September 14, 2016
Newspaper:	*The Industrial News, The Welch News*
Complete Date:	November 17, 2016
UTM Coordinates:	Easting: 458.9 km • Northing: 4138.2 km • NAD83 Zone 17N
Lat/Lon Coordinates:	Latitude: 37.389649 • Longitude: -81.464301 • NAD83
Description:	After-the-Fact modification to add the proposed XMV No. 43 belt line consisting of belt conveyors BC-14, BC-15, BC-16, BC-17 and stockpile OS-7 and revise the preparation plant's raw coal processing rate from 900 TPH and 5,256,000 TPY to 650 TPH and 3,057,000 TPY. Multiple structures and more detail have been added. There are also changes in the coal parameters such as moisture content, which has been revised to reflect site conditions.

BACKGROUND

Mid-Vol Coal Sales, Inc. is currently operating their existing Eckman Preparation Plant under general Permit registration G10-D095B which was approved on October 10, 2012.

Mid-Vol Coal Sales, Inc. is a subsidiary corporation of ArcelorMittal USA Holding II, LLC. The site is leased from Imperial Resources, LLC, which shares the same parent company.

DESCRIPTION OF PROCESS (taken directly from the application)

The purpose of this modification is to revise the preparation plant processing rate and add the proposed XMV No. 43 belt line. Multiple other structures and more detail have been added. There are also changes in the coal parameters such as moisture content, which have been revised to reflect site conditions.

The preparation plant may process 3,057,600 tons per year. This is calculated from a rate of 650 tons per hour, for 16 hours a day and 294 working days a year. This preparation plant processes raw coal from the adjacent site as well as raw coal trucked in from multiple other sites.

Raw coal will be dumped into stockpiles OS-1, OS-2 and OS-3 at their respective transfer points TP01, TP02 and TP03. In addition, raw coal is proposed to be conveyed from the XMV No. 43 Deep Mine using conveyors BC14 to BC15 through TP34, then using conveyors BC15 to BC16 through TP35, then using conveyors BC16 to BC17 through TP36 and then finally using conveyors BC17 to BC18 through TP37 where a stationary conveyor stacks the coal in stockpile OS-7.

Stockpiles OS-1, OS-2, OS-3 and OS-7 will be loaded by their corresponding front end loaders, L01, L02, L03 and L07 and placed into a 100 ton underground feeder, through transfer points TP07, TP08, TP09 and TP39. The raw coal exits the feed bins through TP10 and lands on underground conveyor BC1, which takes the raw coal TP11 to double deck screen S-1 (FE). Once the raw coal makes it to the screen, there are two options. The refuse material that makes it through the shaker and maintains a size larger than eight inches exits through TP13 where it takes BC2 into the preparation plant at TP40. This material will not be washed and will be picked up on later. The remaining material that makes it through the screen exits through TP12 where it enters a Jeffries 56ft Hammer Mill Crusher, HM1 (FE). The coal will exit the crusher through TP14 and land on conveyor BC3 which will transfer it into the preparation plant to be washed at TP42.

Once the material enters the preparation plant, the coal will be washed and then separated from the refuse. The coal and refuse will then exit the preparation plant through TP43 and TP41, respectively. While in the preparation plant, there are two 50 ton magnetite bins that will be utilized, BS-1 and BS-2.

The clean coal leaves the plant on BC10 and from this point there are two options. First, the clean coal on BC10 can be deposited onto BC11 through TP25, then the coal will make its way from BC11 to BC12 through TP26, then the material will make it from BC12 and get stored in stockpile OS-5. The clean coal will then be loaded with a front end loader, L05, and placed in a coal truck and hauled to the loading facility. The second option is that the clean coal on BC10 makes way to BC13, which is a radial stacker. The BC13 will store the material in stockpile OS-6, where it will later be loaded with a front end loader, L06, and placed in the coal truck and hauled to the loading facility.

The refuse removed from the washed coal, including the previously mentioned material brought in from conveyor BC2, will exit the plant on conveyor BC4. This belt conveyor will take the refuse material to Refuse Bin OT-1 through TP15. Once the refuse makes it to OT-1 there are two options for this material. The refuse can exit through TP16 where it will be loaded directly into a truck and taken to the refuse pile or the refuse can exit through TP17 where it will be deposited onto conveyor BC5. Inline on conveyor BC5 is BS3, which is a Cement Kiln Dust (CKD) bin which mixes with the refuse at TP45. Once on conveyor BC5, the material will make its way to BC6 through TP18, then from BC6 to BC7 through TP19, then from BC7 to BC8 through TP20. Once the material is on BC8, BC9 from the Eckman Plate Press, WW2-FE, which is mixed with CKD from BS-4 at TP46 and is also deposited onto BC8, The refuse material on BC8 then is stored in stockpile OS-4. Once the material is in stockpile OS-4, it is gathered with a front end loader, L04, and through TP24 loaded into a truck and hauled to the refuse pile.

All open storage piles shall be managed by a dozer to keep the effective drop height from the conveyors to the material to less than 20 feet vertical drop.

The facility shall be modified and operated in accordance with the following equipment and control device information taken from registration applications G10-D095C, G10-D095B, G10-D095A and G10-C095 and any amendments thereto:

Equip-ment ID No.	Date of Construction, Reconstruction or Modification[1]	G10-D Applicable Sections [2]	Description	Maximum Capacity		Control Device[3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID. No.	Control Device[3]
XMV No. 43 Deep Mine Raw Coal Circuit									
BC14	C 2016	5 and 8	Belt Conveyor - receives raw coal from the XMV No. 43 Deep Mine and transfers it to BC15	800	764,400	N	B A	N/A TP34	N/A PE
BC15	C 2016	5 and 8	Belt Conveyor - receives raw coal from the BC14 and transfers it to BC15	800	764,400	N	B A	TP34 TP35	PE PE
BC16	C 2016	5 and 8	Belt Conveyor - receives raw coal from the BC15 and transfers it to BC17	800	764,400	N	B A	TP35 TP36	PE PE
BC17	C 2016	5 and 8	Belt Conveyor - receives raw coal from the BC16 and transfers it to OS-7	800	764,400	N	B A	TP36 TP37	PE PE
OS-7	C 2016	5 and 8	Raw Coal Open Stockpile - maximum 15,000 tons capacity, 22,238 ft^2 base area and 55' height - receives raw coal from BC17, stores it and then an endloader transfers it to ~~OT-1~~ a Feeder (see Trucked Raw Coal Circuit below)	----	764,400	WS	B A A	TP37 TP38 TP39	N N N
Trucked Raw Coal Circuit									
OS-1	C 2012	5 and 8	Raw Coal Open Stockpile - maximum 15,000 tons capacity, 22,238 ft^2 base area and 55' height - receives trucked raw coal, stores it and then an endloader transfers it to a Feeder	----	764,400	WS	B A A	TP01 TP04 TP07	N N N

Equip-ment ID No.	Date of Construction, Reconstruction or Modification[1]	G10-D Applicable Sections [2]	Description	Maximum Capacity		Control Device[3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID. No.	Control Device[3]
OS-2	C 2012	5 and 8	Raw Coal Open Stockpile - maximum 15,000 tons capacity, 22,238 ft² base area and 55' height - receives trucked raw coal, stores it and then an endloader transfers it to a Feeder	----	764,400	WS	B A A	TP02 TP05 TP08	N N N
OS-3	C 2012	5 and 8	Raw Coal Open Stockpile - maximum 15,000 tons capacity, 22,238 ft² base area and 55' height - receives trucked raw coal, stores it and then an endloader transfers it to a Feeder	----	764,400	WS	B A A	TP03 TP06 TP09	N N N
Under-ground Feeder	C 2012	5 and 8	Underground Feeder - 100 tons capacity - Receives raw coal from OS-1, OS-2, OS-3 and OS-7 via endloader and transfers it onto BC1	----	3,057,600	N	B B B B A	TP07 TP08 TP09 TP39 TP10	N N N N PE
BC1	C 2011	5 and 8	Belt Conveyor - receives raw coal from a Feeder and transfers to S1	650	3,057,600	N	B A	TP10 TP11	PE PE
S1	M 2011 C 2010	5 and 8	Double Deck Screen - receives raw coal from BC1 and oversize refuse drops onto BC2 while screened coal drops directly into CR1	650	3,057,600	FE	B A A	TP11 TP12 TP13	PE FE FE
BC2	M 2011 C 2006	5 and 8	Belt Conveyor - receives oversized refuse material from S1 and transfers it into the prep plant to be added to the refuse circuit	50	30,576	N	B A	TP13 TP40	FE FE
CR1	C 2012	5 and 8	Jeffries Hammermill Crusher - receives sized raw coal from S1, sizes it from 8" x 0 to 2" x 0 and then drops in onto BC3	650	3,057,600	FE	B A	TP12 TP14	FE FE
BC3	M 2011 C 2006	5 and 8	Belt Conveyor - receives sized raw coal from CR1 and transfers it to the prep plant	650	3,057,600	N	B A	TP14 TP42	FE FE
BS-1	C 2006	-----	Magnetite Bin - 50 tons capacity - feeds the wet wash circuit and vents to the wet wash circuit in a closed loop system	----	6,000	FE	N/A	N/A	N/A
BS-2	C 2012	-----	Magnetite Bin - 50 tons capacity - feeds the wet wash circuit and vents to the wet wash circuit in a closed loop system	----	6,000	FE	N/A	N/A	N/A
Refuse Circuit									
BC4	C 2006	5 and 6	Belt Conveyor - receives refuse from the prep plant and transfers it to OT-1	300	1,411,200	N	B A	TP41 TP15	FE PE
OT-1	C 2006	5 and 6	Truck Loadout Bin - 200 tons capacity - receives refuse from BC4 and drops it through a fixed chute into trucks or through a fixed chute onto BC5	----	1,411,200	FE	B A A	TP15 TP16 TP17	PE PE FE

Equip-ment ID No.	Date of Construction, Reconstruction or Modification[1]	G10-D Applicable Sections [2]	Description	Maximum Capacity		Control Device[3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID. No.	Control Device[3]
BS-3	C 2013	-----	Cement Kiln Dust (CKD) Bin 1 - 60 tons capacity - receives cement kiln dust pneumatically loaded from trucks, stores it and then transfers it onto BC5 to be mixed with the refuse	1	470	FE	B A	N/A TP45	N/A FE
BC5	C 2013	5 and 8	Belt Conveyor - receives refuse from OT-1 and cement kiln dust from BS-3 and transfers it to BC6	300	1,411,200	N	B B A	TP17 TP45 TP18	FE FE PE
BC6	C 2013	5 and 8	Belt Conveyor - receives refuse from BC5 and transfers it to BC7	300	1,411,200	N	B A	TP18 TP19	PE PE
BC7	C 2013	5 and 8	Belt Conveyor - receives refuse from BC6 and transfers it to BC8	300	1,411,200	N	B A	TP19 TP20	PE PE
BS-4	C 2013	-----	Cement Kiln Dust (CKD) Bin 1 - 60 tons capacity - receives cement kiln dust pneumatically loaded from trucks, stores it and then transfers it onto BC9 to be mixed with the refuse	1	3,290	FE	B A	N/A TP46	N/A FE
BC9	C 2013	5 and 8	Belt Conveyor - receives refuse from the Eckman Plate Press and cement kiln dust from BS-4 and transfers it to BC8	50	235,200	N	B B A	TP44 TP46 TP21	FE FE PE
BC8	C 2013	5 and 8	Belt Conveyor - receives refuse from BC7 and BC9 and transfers it to OS4	350	1,646,400	N	B B A	TP20 TP21 TP22	PE PE N
OS-4	C 2013	-----	Refuse Stockpile - maximum 15,000 tons capacity, 22,238 ft2 base area and 63' height - receives refuse from BC-8, stores it and then endloaders transfer it to trucks	----	1,411,200	WS	B A A	TP22 TP23 TP24	N N N
Clean Coal Circuit									
BC10	C 2006	5 and 6	Belt Conveyor - receives clean coal from the prep plant and transfers it to BC11 or BC13	350	1,646,400	N	B A A	TP43 TP25 TP30	FE PE PE
BC11	C 2013	5 and 8	Belt Conveyor - receives clean coal from BC10 and transfers it to BC12	350	1,481,760	N	B A	TP25 TP26	PE PE
BC12	C 2013	5 and 8	Radial Stacker 2 - receives clean coal from BC11 and transfers it to OS-5	350	1,481,760	N	B A	TP26 TP27	PE N
OS-5	C 2013	5 and 8	Clean Coal Stockpile - maximum 25,000 tons capacity, 29,693 ft^2 base area and 63' height - receives clean coal from BC12, stores it and then endloaders transfer it to trucks for shipment	350	1,481,760	N	B A A	TP27 TP28 TP29	N N N
BC13	C 2013	5 and 8	Radial Stacker 1 - receives clean coal from BC10 and transfers it to OS-6	350	164,640	N	B A	TP30 TP31	PE PE

Equip-ment ID No.	Date of Construction, Reconstruction or Modification[1]	G10-D Applicable Sections [2]	Description	Maximum Capacity		Control Device[3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID. No.	Control Device[3]
OS-6	C 2013	5 and 8	Clean Coal Stockpile - maximum 15,000 tons capacity, 22,238 ft^2 base area and 55' height - receives clean coal from BC13, stores it and then endloaders transfer it to trucks for shipment	----	164,640	N	B A A	TP31 TP32 TP33	PE N N

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; FW - Full Enclosure with Water Sprays; PE - Partial Enclosure; PW - Partial Enclosure with Water Sprays; WS - Water Sprays; FC - Fixed Chute; and N - No Control.

DESCRIPTION OF FUGITIVE EMISSIONS (taken directly from the application)

Open Coal Stockpiles - All stockpiles are now controlled by the use of compaction by the equipment on site (a dozer and the endloaders) that thus far has provided sufficient control. A water truck traverses through the stockpile area locations during normal watering of the haulroads which also helps to control fugitive coal dust from loading and unloading activities at the piles. All open storage piles shall be managed by a dozer to keep the effective drop height from the conveyors to the material to less than 20 feet vertical drop.

Haulroads - Fugitive coal dust on the haulroads are now controlled by the use of a water truck that has thus far provided sufficient control.

Other Structures - The other structures are partially or fully enclosed and have provided sufficient control thus far.

SITE INSPECTION

On February 2, 2016, Fred Teel of the DAQ's Compliance and Enforcement Section performed a scheduled full on-site targeted inspection. Mr. Teel did not have any notes from this inspection. At the time of the inspection, the facility was found to be in operation and in compliance and was given a status code of 30 - In Compliance.

Directions from Charleston, WV are to take I-64 East/I-77 South towards Beckley and travel 53.8 miles, keep right to take I-&& South toward Bluefield and travel 31.5 miles, take Exit 9 for US-460 toward Princeton/Perisburg, VA and travel 0.4 miles, turn right onto US Highway 460/US-460 West and continue to follow US-460 West for 2.6 miles, turn right onto Ingleside Road/County Highway 27 and continue to follow Ingleside Road for 0.5 miles, turn left onto Princeton Avenue

and travel 0.3 miles, take the second right onto Avis Street/US-19 North and travel 0.08 miles, turn left onto West Main Street/WV-20 and continue to follow WV-20 for 10.2 miles, turn slight right onto Coal Heritage Road/US-52 North/Dr. William Prudich Memorial Highway and continue to follow US-52 North for 16.6 miles, turn left onto County Route 52-9 miles and continue through Eckman and onto the gravel road and travel approximately 1 mile to the top of the hill and the facility will be on the right.

ESTIMATE OF EMISSIONS BY REVIEWING ENGINEER

Fugitive emission calculations for continuous and batch drop operations, transfer points, crushing and screening, storage piles, and paved and unpaved haulroads are based on AP-42 Fifth Edition "Compilation of Air Pollution Emission Factors", Volume 1. Control efficiencies were applied based on "Calculation of Particulate Matter Emission - Coal Preparation Plants and Material Handling Operations." The emission factors for crushing/breaking and screening operations were obtained from the Air Pollution Engineering Manual - Air & Waste Management Association - June 1992. The new facility-wide emissions calculations were performed by the applicant using the DAQ's G10-C Excel Emission Calculation Spreadsheet and were checked for accuracy and completeness by the writer.

The proposed modification will result in a new potential to discharge controlled particulate matter emissions of 185.92 pounds per hour (lb/hour) and 435.98 tons per year (TPY) of particulate matter (PM), of which 60.07 lb/hour and 137.79 TPY will be particulate matter less than 10 microns in diameter (PM_{10}). Refer to the following table for a complete summary of the facility's proposed potential to discharge:

- New Emissions Total - **Mid-Vol Coal Sales, Inc. Eckman Prep Plant - G10-D095C**	**Controlled PM Emissions**		**Controlled PM_{10} Emissions**	
	lb/hour	TPY	lb/hour	TPY
Fugitive Emissions				
Open Storage Pile Emissions	1.87	8.18	0.88	3.85
Unpaved Haulroad Emissions	156.43	384.01	46.17	113.34
Paved Haulroad Emissions	0.00	0.00	0.00	0.00
Fugitive Emissions Total	*158.29*	*392.19*	*47.05*	*117.19*
Point Source Emissions				
Equipment Emissions	15.60	36.69	7.33	17.24
Transfer Point Emissions	12.03	7.10	5.69	3.36
Point Source Emissions Total (PTE)	*27.63*	*43.79*	*13.02*	*20.60*
FACILITY EMISSIONS TOTAL	**185.92**	**435.98**	**60.07**	**137.79**

REGULATORY APPLICABILITY

NESHAPS and PSD have no applicability to the modified facility. The proposed modification of Mid-Vol Coal Sales, Inc.'s existing wet wash coal preparation plant is subject to the following state and federal rules:

45CSR5 *To Prevent and Control Air Pollution from the Operation of Coal Preparation Plants, Wet wash coal preparation plants and Coal Refuse Disposal Areas*

The facility is subject to the requirements of 45CSR5 because it meets the definition of "Coal Preparation Plant" found in subsection 45CSR5.2.4. The facility should be in compliance with Section 3 (less than 20% opacity) and Section 6 (fugitive dust control system and dust control of the premises and access roads) when the particulate matter control methods and devices proposed are in operation.

45CSR13 *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits, and Procedures for Evaluation*

The proposed modification to a General Permit Registration is subject to the requirements of 45CSR13 because it will involve the construction of four (4) belt conveyors and one (1) open storage pile, which are defined as affected facilities in 40 CFR 60 Subpart Y. This application also includes the after-the-fact addition of several belt conveyors and open storage piles which have already been constructed, but not yet included in their General Permit Registration. The applicant has submitted an application for a registration to modify. The applicant published a Class I legal advertisement in *The Industrial News* on June 8, 2016 and submitted the $500 application fee and $1,000 application fee. The applicant published a revised Class I legal advertisement in *The Welch News* on September 14, 2016.

45CSR16 *Standards of Performance for New Stationary Sources*
40 CFR 60 *Subpart Y: Standards of Performance for Coal Preparation and Processing Plants*

This facility is subject to 40 CFR 60 Subpart Y because it was modified after October 24, 1974 and processes more than 200 tons of coal per day. The proposed modification includes the construction of four (4) belt conveyors and one (1) open storage pile, which are defined as affected facilities in 40 CFR 60 Subpart Y. This application also includes the after-the-fact addition of several belt conveyors and open storage piles which have already been constructed, but not yet included in their General Permit Registration. Therefore, the proposed modification is subject to 45CSR16, which incorporates by reference 40 CFR 60 Subpart Y - Standards of Performance for Coal Preparation Plants. The facility should be in compliance with Section 254(b) (less than 10% opacity for coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal which was constructed, re-constructed or modified after April 28, 2008) when the particulate matter control methods and devices proposed are in operation.

The owner or operator of an open storage pile, which includes the equipment used in the

loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions. The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. The plan must be submitted to the Director prior to startup of the new, reconstructed or modified open storage pile.

45CSR30 Requirements for Operating Permits

In accordance with 45CSR30 Major Source Determination, the facility is *not* listed in 45CSR30 subsection 2.26.b as one of the categories of stationary sources which must include fugitive emissions (open storage piles constructed or modified on or before May 27, 2009 and haulroads) when determining whether it is a major stationary source for the purposes of § 302(j) of the Clean Air Act. The facility's potential to emit will be 24.45 TPY for PM_{10} (open storage piles constructed or modified after May 27, 2009 and point sources combined), which is less than the 45CSR30 threshold of 100 TPY of a regulated air pollutant used to define a major stationary source. Therefore, the facility remains a nonmajor source subject to 45CSR30. The facility is not subject to the permitting requirements of 45CSR30 and is classified as a deferred source.

The proposed modification of Mid-Vol Coal Sales, Inc.'s existing wet wash coal preparation plant is <u>not</u> subject to the following state and federal rules:

45CSR14 Permits for Construction and Major Modification of Major Stationary Sources of Air Pollution for the Prevention of Significant Deterioration

In accordance with 45CSR14 Major Source Determination, the facility is *not* one of the 100 TPY stationary sources listed under the definition of "Major Stationary Source" in subsection 2.43.a. Therefore, it must have the potential to emit 250 TPY or more of any regulated pollutant to meet the definition of a major source in subsection 2.43.b. At the end of subsection 2.4.3, this facility is not listed in Table 1 - Source Categories Which Must Include Fugitive Emissions. So, fugitive emissions (from open storage piles constructed or modified on or before May 27, 2009 and haulroads) are not included when determining major stationary source applicability. The facility's potential to emit will be 51.97 TPY for PM (open storage piles constructed or modified after May 27, 2009 and point sources combined), which is less than the 45CSR14 threshold of 250 TPY for a regulated air pollutant used to define a major stationary source. Therefore, the proposed modification is not subject to the requirements set forth within 45CSR14.

<u>TOXICITY OF NON-CRITERIA REGULATED POLLUTANTS</u>

A toxicity analysis was not performed because the primary pollutants that will be emitted from this facility are PM (particulate matter) and PM_{10} (particulate matter less than 10 microns in diameter), which are non-toxic pollutants.

AIR QUALITY IMPACT ANALYSIS

Air dispersion modeling was not performed due to the size and location of this facility and the extent of the proposed modification. This facility is located in McDowell County, WV, which is currently in attainment for PM (particulate matter) and PM_{10} (particulate matter less than 10 microns in diameter). This modified facility will remain a minor source as defined by 45CSR14 and 45CSR19, therefore, an air quality impact analysis is not required.

GENERAL PERMIT ELIGIBILITY

The proposed modification of this facility meets the applicability criteria (Section 2.3), siting criteria (Section 3.1) and limitations and standards (Section 5.1) as specified in General Permit G10-D.

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.

MONITORING OF OPERATIONS

The coal processing and conveying equipment and storage areas should be observed to make sure that the facility is meeting the applicable visible emission standards of 40 CFR 60, Subpart Y. Visible emissions from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, re-constructed or modified on or before April 28, 2008 shall not exceed 20 percent (20%) opacity as stated in 40 CFR 60.254(a). Visible emissions from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, re-constructed or modified after April 28, 2008 shall not exceed 10 percent (10%) opacity as stated in 40 CFR 60.254(b). Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the maximum 10% opacity limitation.

The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions. The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. The plan must be submitted to the Director prior to startup of the new, reconstructed or modified open storage pile.

RECOMMENDATION TO DIRECTOR

The information contained in this modification to a General Permit Registration application indicates that compliance with all applicable regulations should be achieved when all of the proposed particulate matter control methods are in operation. Due to the location, nature of the process, and control methods proposed, adverse impacts on the surrounding area should be minimized. No comments were received during the comment period. Therefore, the granting of a General Permit G10-D registration to Mid-Vol Coal Sales, Inc. for the modification of their existing wet wash coal preparation plant located near Eckman, McDowell County, WV is hereby recommended.

Daniel P. Roberts, Engineer Trainee
NSR Permitting Section

November 17, 2016
Date