west virginia department of environmental protection

Division of Air Quality
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Charleston, WV 25304
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Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

March 10, 2015

CERTIFIED MAIL
7199 9991 7034 1382 2992

Robert D. Moore, Vice President
Consolidation Coal Company
46226 National Road W
St. Clairsville, OH 43950

Re: Application Status: Approved
Consolidation Coal Company
Loveridge Preparation Plant
Permit Application R13-0760E
Plant ID No. 049-00019

Dear Mr. Moore:

Your application for a modification permit as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed permit R13-0760E is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

The source is subject to 45CSR30. Changes authorized by this permit must also be incorporated into the facility's Title V operating permit. Commencement of the operations authorized by this permit shall be determined by the appropriate timing limitations associated with Title V permit revisions per 45CSR30.

In accordance with 45CSR30 - Operating Permit Program, the permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

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 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.

Should you have any questions, please contact me at (304) 926-0499, ext. 1210.

Sincerely,

Daniel P. Roberts, Engineer Trainee
NSR Permitting Section

Enclosures

c: Sarah Kreitzer, Murray Energy Corporation
Mike Burr, Trinity Consultants

West Virginia Department of Environmental Protection
Division of Air Quality

Earl Ray Tomblin
Governor

Randy C. Huffman
Cabinet Secretary

Permit to Modify

R13-0760E

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45 C.S.R. 13 — Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. 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 this permit.

Issued to:

Consolidation Coal Company
Loveridge Preparation Plant
049-00019

William F. Durham
Director

Effective: March 6, 2015

This permit will supercede and replace Permit R13-0760D approved on May 12, 2008.

Facility Location:	Fairview, Marion County, West Virginia
Mailing Address:	46226 National Road W, St. Clairsville, OH 43950
Facility Description:	Coal Preparation Plant with a Thermal Dryer
SIC Codes:	1222 (Bituminous Coal & Lignite - Underground)
NAICS Codes:	212112 (Bituminous Coal Underground Mining)
UTM Coordinates:	561.6 km Easting • 4383.9 km Northing • Zone 17
Lat/Lon Coordinates:	Latitude 39.602625 • Longitude -80.282494 • NAD83
Permit Type:	Modification
Description of Change:	Modification to add conveyor belt CB8A and batch weigh loadout bin BWL and the associated transfer point TP-19B which are rated for 3,500 TPH and 9,198,000 TPY.

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 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.

The source is subject to 45CSR30. Changes authorized by this permit must also be incorporated into the facility's Title V operating permit. Commencement of the operations authorized by this permit shall be determined by the appropriate timing limitations associated with Title V permit revisions per 45CSR30.

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1.0 Emission Units

Source ID	Emission Point ID	Equipment Description	Date of Construction, Reconstruction or Modification [1]	Maximum Design Capacity		Fugitive Control System/ Device [2]
				TPH	TPY	
		RAW COAL CIRCUIT				
001	Z01	**Conveyor 1** - Mine slope belt to Raw Coal Transfer Building	pre 1974	3,000	26,280,000	FE
005	Z01	**Conveyor 3** - Belt from Raw Coal Transfer Building to Raw Coal Storage Bin 1	pre 1974	3,000	26,280,000	FE
006	Z01	**Storage Bin 1** - Raw Coal storage silo from Conveyor 3 and transfers to Conveyor 4; Storage capacity is 15,000 tons	pre 1974	2,000	17,520,000	FE
008	Z01	**Conveyor 4** - Belt from Raw Coal Storage Bin 1 to Prep Plant	pre 1974	2,000	12,000,000	FE
002	Z01	**Conveyor 2** - Belt from Raw Coal Transfer Building to Raw Coal Stockpile 1 Stacking Tube 1	1989	3,000	900,000	FE
003A	Z01	**Raw Coal Stockpile 1** - Stockpile equipped with Stacking Tube 1 and Stacking Tube 2; Stockpile footprint is 9.55 acres with a storage capacity of 450,000 tons	2005	3,000	26,280,000	ST
052	Z01	**Conveyor 21** - Belt from Raw Coal Transfer Building to Raw Coal Stockpile 1 Stacking Tube 2	2005	3,000	12,000,000	FE
053	Z01	**Conveyor 22** - Belt from Raw Coal Stockpile 1 to Conveyor 4	2005	3,000	12,000,000	FE
007	Z01	**Raw Coal Stockpile 2** - Stockpile footprint is 3.8 acres with a storage capacity of 70,000 tons	1993	1,800	210,000	MC
		STOKER COAL CIRCUIT				
037	Z01	**Conveyor 19** - Belt from Prep Plant to Stoker Coal Truck Loadout	pre 1974	300	1,800,000	FE
051A	Z01	**Conveyor 20** - Belt from Prep Plant to Stoker Coal Railcar Loadout	pre 1974	300	1,800,000	FE
046	P003	**Lime Storage Silo 1**	pre 1974	NA	NA	NA
048	P004	**Rock Dust Silo 1**	pre 1974	NA	NA	NA
		CLEAN COAL THERMAL DRYER CIRCUIT				
034	Z01	**Conveyor 15** - Belt from Prep Plant to Thermal Dryer 1	1985	600	3,600,000	FE
045A	P002	**Thermal Dryer** - ENI Eng. Co. Fluidized Bed Dryer rated at 182MM BTU/hr Heat Input	1985	max 600 normal 450	3,600,000	4 Parallel Cyclones
045C	Z01	**Thermal Dryer Furnace** - Bigelow Liptak forced draft burner rated at 182MM BTU/hr Heat Input	1985	4.35 (TPH)	26,100	Horizontal Venturi Scrubber
035	Z01	**Conveyor 16** - Belt from Thermal Dryer to Conveyor 17	1985	600	3,600,000	FE
036	Z01	**Conveyor 17** - Belt from Conveyor 16 to Conveyor 18	1985	600	3,600,000	FE
036B	Z01	**Conveyor 18** - Belt from Conveyor 17 to Conveyor 6	1985	600	3,600,000	FE
		CLEAN COAL CIRCUIT				
013	Z01	**Conveyor 5** - Belt from Prep Plant to Conveyor 6	pre 1974	1,800	10,800,000	FE
015	Z01	**Conveyor 6** - Belt from Conveyor 5 and Conveyor 18 to Clean Coal Silo 1 or Conveyor 7	pre 1974	1,800	10,800,000	FE
		CLEAN COAL STORAGE				
017	Z01	**Clean Coal Silo 1** - Clean Coal storage silo from Conveyor 6 and transfers to Conveyor 8; Storage capacity is 10,500 tons	pre 1974	3,000	18,000,000	FE
030	Z01	**Conveyor 7** - Belt from Conveyor 6 to Clean Coal Silo 2 or Conveyor 7A	1981	1,800	10,800,000	FE
044	Z01	**Clean Coal Silo 2** - Clean Coal storage silo from Conveyor 6 and transfers to Conveyor 8; Storage capacity is 10,500 tons	1981	3,000	18,000,000	FE
031	Z01	**Conveyor 13** - Belt from Clean Coal Silo 2 to Conveyor 8	1981	3,000	18,000,000	FE
030A	Z01	**Conveyor 7A** - Belt from Conveyor 7 to Clean Coal Silo 3	2006	1,800	10,800,000	FE

Source ID	Emission Point ID	Equipment Description	Date of Construction, Reconstruction or Modification [1]	Maximum Design Capacity		Fugitive Control System/ Device [2]
				TPH	TPY	
044A	Z01	**Clean Coal Silo 3** - Clean Coal storage silo from Conveyor 6 and transfers to Conveyor 8; Storage capacity is 10,500 tons	2006	1,800 in / 3,000 out	10,800,000	FE
031A	Z01	**Conveyor 13A** - Belt from Clean Coal Silo 3 to Conveyor 8	2006	3,000	18,000,000	FE
		CLEAN COAL SHIPPING BY TRUCK AND RAILCAR				
018	Z01	**Conveyor 8** - Belt from Clean Coal Silo 1, Conveyor 13 and Conveyor 13A to Conveyor 8A or Conveyor 9	pre 1974/2006	3,000	18,000,000	FE
018A	Z01	**Conveyor 8A** - Belt from Conveyor 8 to Batch Weigh Loadout	C 2014	3,500	9,198,000	PE
032	Z01	**Conveyor 9** - Belt from Conveyor 8 to Unit Train Loadout 1	M 2014 pre 1974/2006	3,500	18,000,000	FE
		REFUSE CIRCUIT				
021	Z01	**Conveyor 10** - Coarse refuse belt from Prep Plant to Conveyor 11	pre-1974	400	2,400,000	FE
023	Z01	**Conveyor 11** - Coarse refuse belt from Conveyor 10 to Refuse Bin 2	pre-1974	400	2,400,000	FE
027A	Z01	**Refuse Bin 2** - Coarse refuse bin from Conveyor 11 to Pan Truck Loading	pre-1974	400	2,400,000	FE
025	Z01	**Conveyor 12** - Coarse refuse belt from Conveyor 11 to Conveyor 14	pre-1974	400	2,400,000	FE
033	Z01	**Conveyor 14** - Coarse refuse belt from Conveyor12 to Refuse Bin 1	1983	400	2,400,000	FE
027	Z01	**Refuse Bin 1** - Coarse refuse belt from Conveyor 14 to Pan Truck Loading	1983	400	2,400,000	FE
		HAULROADS				
049A	Z01	**Unpaved Haulroad**	pre-1974	NA	NA	WT
049B	Z01	**Unpaved Haulroad**	pre-1974	NA	NA	WT
049C	Z01	**Unpaved Haulroad**	pre-1974	NA	NA	WT
049D	Z01	**Unpaved Haulroad**	pre-1974	NA	NA	WT
049E	Z01	**Unpaved Haulroad**	pre-1974	NA	NA	WT
049F	Z01	**Unpaved Haulroad**	pre-1974	NA	NA	WT
049G	Z01	**Unpaved Haulroad**	1993	NA	NA	WT
049H	Z01	**Unpaved Haulroad**	1993	NA	NA	WT
		VOC EMISSION SOURCES				
009B	Z01	Froth Floatation Cell	1985	NA		None
009	P001	Vacuum Filter	1985	NA		None
047	Z01	Thickener	1985	NA		None
038A	Z01	Railcar Anti-Freeze Spray	Pre 1974	NA		None
051C	Z01	Stoker Coal Anti-Freeze Spray	Pre 1974	NA		None
S050A	Z01	No. 2 Diesel Fuel Storage Tank 1	1985	5,000 Gallons		None
S050B	Z01	No. 2 Diesel Fuel Storage Tank 2	1985	3,000 Gallons		None
S050C	Z01	No. 2 Diesel Fuel Storage Tank 3	1985	3,000 Gallons		None
S050D	Z01	No. 2 Diesel Fuel Storage Tank 4	1985	Gallons		None
S050E	Z01	Froth Floatation Agent Storage Tank 1	1985	Gallons		None
S050F	Z01	Anionic Flocculant Storage Tank 1	1985	Gallons		None
S050G	Z01	Antifreeze Storage Tank 1	1985	Gallons		None
S050H	Z01	Antifreeze Storage Tank 2	1985	Gallons		None
S050I	Z01	Dustrol Storage Tank 1	1985	Gallons		None
S050J	Z01	Dustrol Storage Tank 2	1985	Gallons		None
S050K	Z01	30 wt. Motor Oil Storage Tank 1	1985	Gallons		None
S050L	Z01	30 wt. Motor Oil Storage Tank 2	1985	Gallons		None
NA	None	Underground Mine	pre-1974	NA		None

[1] In accordance with 40 CFR 60 Subpart Y: all emissions from thermal dryers constructed, re-constructed or modified on or before April 28, 2008 shall be less than 20% opacity; 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; and 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.

[2] Control Device abbreviations: FE - Full Enclosure; PE - Partial Enclosure; ST - Stacking Tube; WS - Water Sprays; WT - Water Truck; MC - Moisture Control; MD - Minimize Drop Height; N - None; NA - Not Applicable.

2.0. General Conditions

2.1. Definitions

2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.

2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.

2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45 CSR § 30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

2.2. Acronyms

CAAA	Clean Air Act Amendments	**$PM_{2.5}$**	Particulate Matter less than 2.5μm in diameter
CBI	Confidential Business Information		
CEM	Continuous Emission Monitor	**PM_{10}**	Particulate Matter less than 10μm in diameter
CES	Certified Emission Statement		
C.F.R. *or* CFR	Code of Federal Regulations	**Ppb**	Pounds per Batch
CO	Carbon Monoxide	**pph**	Pounds per Hour
C.S.R. *or* CSR	Codes of State Rules	**ppm**	Parts per Million
DAQ	Division of Air Quality	**Ppmv or ppmv**	Parts per million by volume
DEP	Department of Environmental Protection	**PSD**	Prevention of Significant Deterioration
dscm	Dry Standard Cubic Meter		
FOIA	Freedom of Information Act	**psi**	Pounds per Square Inch
HAP	Hazardous Air Pollutant	**SIC**	Standard Industrial Classification
HON	Hazardous Organic NESHAP	**SIP**	State Implementation Plan
HP	Horsepower	**SO_2**	Sulfur Dioxide
lbs/hr	Pounds per Hour	**TAP**	Toxic Air Pollutant
LDAR	Leak Detection and Repair	**TPY**	Tons per Year
M	Thousand	**TRS**	Total Reduced Sulfur
MACT	Maximum Achievable Control Technology	**TSP**	Total Suspended Particulate
		USEPA	United States Environmental Protection Agency
MDHI	Maximum Design Heat Input		
MM	Million	**UTM**	Universal Transverse Mercator
MMBtu/hr *or* mmbtu/hr	Million British Thermal Units per Hour	**VEE**	Visual Emissions Evaluation
		VOC	Volatile Organic Compounds
MMCF/hr *or* mmcf/hr	Million Cubic Feet per Hour	**VOL**	Volatile Organic Liquids
NA	Not Applicable		
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		
NO_x	Nitrogen Oxides		
NSPS	New Source Performance Standards		
PM	Particulate Matter		

2.3. Authority

This permit is issued in accordance with West Virginia Air Pollution Control Law W.Va. Code §§22-5-1 et seq. and the following Legislative Rules promulgated thereunder:

2.3.1. 45CSR13 – *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation;*

2.4. Term and Renewal

2.4.1. This permit supercedes and replaces previously issued Permit R13-0718D approved on May 12, 2008. This permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any applicable legislative rule.

2.5. Duty to Comply

2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-0760E, R13-0718D, R13-0718C, R13-0718B, R13-0718A and R13-0718 and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to. **[45CSR§§13-5.11 and 13-10.3]**

2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;

2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;

2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses and/or approvals from other agencies; i.e., local, state and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

The permittee shall furnish to the Secretary within a reasonable time any information the Secretary may request in writing to determine whether cause exists for administratively updating, modifying, revoking or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.

2.7. Duty to Supplement and Correct Information

Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.

2.8. Administrative Update

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.
[45CSR§13-4]

2.9. Permit Modification

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.
[45CSR§13-5.4.]

2.10. Major Permit Modification

The permittee may request a major modification to this permit as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.
[45CSR§14-7 or 45CSR§19-14]

2.11. Inspection and Entry

The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:

a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

2.12.1. An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are not met.

2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;

b. The permitted facility was at the time being properly operated;

c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and,

d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emission, and corrective actions taken.

2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

2.12.5. The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it should have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.

2.14. Suspension of Activities

In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations authorized by this permit, the permittee shall notify the Secretary, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.

2.15. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege.

2.16. Severability

The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.

2.17. Transferability

This permit is transferable in accordance with the requirements outlined in Section 10.1 of 45CSR13. **[45CSR§13-10.1]**

2.18. Notification Requirements

The permittee shall notify the Secretary, in writing, no later than thirty (30) calendar days after the actual startup of the operations authorized under this permit.

2.19. Credible Evidence

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defense otherwise available to the permittee including, but not limited to, any challenge to the credible evidence rule in the context of any future proceeding.

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]

3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]

3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(I). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]

3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1 State-Enforceable only.]

3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]

3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45 C.S.R. 11.
[45CSR§11-5.2.]

3.2. Monitoring Requirements

[Reserved]

3.3. Testing Requirements

3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and

ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.

b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.

c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.
[WV Code § 22-5-4(a)(15)]

d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the status evaluation. The summary of conditions shall include the following:

1. The permit or rule evaluated, with the citation number and language;
2. The result of the test for each permit or rule condition; and,
3. A statement of compliance or noncompliance with each permit or rule condition.

[WV Code § 22-5-4(a)(14-15) and 45CSR13]

3.4. Recordkeeping Requirements

3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on

computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

3.4.2. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken. **[45CSR§4. *State-Enforceable only.*]**

3.5. Reporting Requirements

3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.

3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

Director
WVDEP
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304-2345

If to the USEPA:

Associate Director
Office of Air Enforcement and Compliance Assistance
(3AP20)
U. S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

3.5.4. **Operating Fee.**

3.5.4.1. In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a Certified Emissions Statement (CES) and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

4.0. Source-Specific Requirements

4.1. Limitations and Standards

4.1.1. The permittee shall not exceed the maximum hourly and annual throughput rates and other criteria outlined in the table in Section 1.0 Emission Units.

4.1.2. Compliance with all annual throughput limits shall be determined using a twelve month rolling total. A twelve month rolling total shall mean the sum of the amount of material received, processed, and/or shipped at any given time during the previous twelve (12) consecutive calender months.

4.1.3. Any and all records, such as throughput, hours of operation of the thermal dryer, SO_2 data, etc., shall be completed, certified and kept on site for a period of no less than five (5) years. Such records shall be made available to the Director or his or her duly authorized representative upon request.

4.1.4. Emissions from the permitted fluidized bed coal dryer stack shall not exceed the following rates:

Pollutant	pounds/hour	tons/year
Particulate Matter (PM)[1]	40.0	120.0
Sulfur Dioxide (SO_2)	195.0	586.0
Nitrogen Oxides (NO_X)	63.6	190.8
Volatile Organic Compounds (VOC)	135.6	406.8
Carbon Monoxide (CO)	57.6	172.8

(1) All PM emissions are assumed to be $PM_{2.5}$ or smaller.

4.1.5. Operation of the thermal dryer shall be in accordance with the following requirements:

a. The furnace shall be limited to a maximum combustion rate of 4.35 tons-coal/hour and 26,100 tons-coal/year (rolling twelve month basis).

b. The furnace shall be limited to a maximum combustion rate of 3,033 cubic feet-coal bed methane or natural gas/hour and 1.82×10^6 cubic feet-coal bed methane or natural gas/year (rolling twelve month basis).

c. The sulfur content of the coal fired in the furnace shall not exceed 3.4% by weight.

d. Coal combustion shall be limited to providing 120 MMBtu/hr heat input into the furnace.

e. At all times coal combustion is providing over 90 MMBtu/hr heat input into the furnace a 20% solution of sodium hydroxide (NaOH) shall be sprayed downstream of the venturi scrubber to provide for additional SO_2 control.

f. Additional heat input to the furnace above 120 MMBtu/hr shall be provided by the combustion of coal bed methane or natural gas.

g. Heat input to the furnace shall not exceed 182 MMBtu/hr.

h. The scrubber shall be operated at all times coal is combusted in the furnace.

4.1.6. The permittee shall not emit particulate matter into the open air from any stack which is twenty percent (20%)

opacity or greater, except as noted in (a) or (b) below.

a. The provisions of subsection 3.1 shall not apply to particulate matter emitted, which is less than sixty percent (60%) opacity for a period or periods aggregating no more than five (5) minutes in any sixty (60) minute period during operation.

b. The provisions of subsections 3.1 and 3.2 shall not apply to particulate matter emitted, which is less than sixty percent (60%) opacity for a period of up to eight (8) minutes in any operating day for the purposes of building a fire of operating quality in the fuel burning equipment of a thermal dryer. **[45CSR§5-3.1, 3.2, 3.3]**

4.1.7. The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated. The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

The permittee shall properly install, operate and maintain designed winterization systems for all water trucks and/or water sprays in a manner that all such fugitive dust control systems remain functional during winter months and cold weather.

4.1.8. **Opacity Limit.** No person shall cause, suffer, allow or permit emission of particulate matter into the open air from any fugitive dust control system which is twenty percent (20%) opacity or greater. **[45CSR§5-3.4]**

4.1.9. **Fugitive Dust Control System.** No person shall cause, suffer, allow or permit a coal preparation plant or handling operation to operate that is not equipped with a fugitive dust control system. This system shall be operated and maintained in such a manner as to minimize the emission of particulate matter into the open air. **[45CSR§5-6.1]**

4.1.10. **Dust Control.** The owner or operator of a coal preparation plant or handling operation shall maintain dust control of the premises and owned, leased, or controlled access roads by paving, or other suitable measures. Good operating practices shall be observed in relation to stockpiling, car loading, breaking, screening, and general maintenance to minimize dust generation and atmospheric entrainment. **[45CSR§5-6.2]**

4.1.11. No person shall construct, modify or relocate any coal preparation plant or coal handling operation without first obtaining a permit in accordance with the provisions of W. Va. Code §22-5-1 et seq. and the Director's rules for review and permitting of new or modified sources. **[45CSR§5-10.1.]**

4.1.12. **Operation and Maintenance of Air Pollution Control Equipment**. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule,

Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11.]

4.1.13. At the time a stationary source is alleged to be in compliance with an applicable emission standard and at reasonable times to be determined by the Secretary thereafter, appropriate tests consisting of visual determinations or conventional in-stack measurements or such other tests the Secretary may specify shall be conducted to determine compliance.
[45CSR§13-6.1.]

4.1.14. The Secretary may suspend or revoke a permit or general permit registration if, after six (6) months from the date of issuance, the holder of the permit cannot provide the Secretary, at the Secretary's request, with written proof of a good faith effort that construction, modification, or relocation, if applicable, has commenced. Such proof shall be provided not later than thirty (30) days after the Secretary's request. If construction or modification of a stationary source is discontinued for a period of eighteen (18) months or longer, the Secretary may suspend or revoke the permit or general permit registration.
[45CSR§13-10.2.]

4.1.15. The Secretary may suspend or revoke a permit or general permit registration if the plans and specifications upon which the approval was based or the conditions established in the permit are not adhered to. Upon notice of the Secretary's intent to suspend, modify or revoke a permit, the permit holder may request a conference with the Secretary in accordance with the provisions of W.Va Code § 22-5-5 to show cause why the permit or general permit registration should not be suspended, modified or revoked.
[45CSR§13-10.3.]

4.1.16. At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.
[40 CFR§60.11(d)]

4.1.17. **Standard for Thermal Dryers.** On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of a thermal dryer constructed, reconstructed, or modified on or before April 28, 2008, subject to the provisions of this subpart must meet the requirements in paragraphs (a)(1) and (a)(2) of this section.
[40CFR§60.252(a)]

(1) The owner or operator shall not cause to be discharged into the atmosphere from the thermal dryer any gases which contain PM in excess of 0.070 g/dscm (0.031 grains per dry standard cubic feet (gr/dscf)); and
[40CFR§60.252(a)(1)]

(2) The owner or operator shall not cause to be discharged into the atmosphere from the thermal dryer any gases which exhibit 20 percent opacity or greater.
[40CFR§60.252(a)(2)]

4.1.18. **Standards for Particulate Matter.** On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.
[40CFR§60.254(a)]

4.1.19. **Standards for Particulate Matter.** On and after the date on which the performance test is conducted or

required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section. *[Conveyor CB8A, Conveyor C9 and Batch Weigh Loadout Bin BWL]*
[40CFR§60.254(b)]

(1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.
[40CFR§60.254(b)(1)]

(2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matte in excess of 0.023 g/dscm (0.010 gr/dscf).
[40CFR§60.254(b)(2)]

(3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section.
[40CFR§60.254(b)(3)]

4.2. Monitoring Requirements

4.2.1. For the purposes of demonstrating compliance with maximum coal and coal bed methane or natural gas usage limits set forth in 4.1.5(a) and 4.1.5(b), respectively , the permittee shall maintain monthly and rolling twelve month records of the amount of coal and coal bed methane or natural gas usage that is consumed by the furnace.

4.2.2. For the purposes of demonstrating continuing compliance with the coal sulfur content under 4.1.3(c), the permittee shall daily obtain a composite sample of coal to be combusted in the thermal dryer furnace. This sample shall be tested according to the appropriate test methods as approved in a protocol submitted pursuant to 3.3.1.c to determine the sulfur content of the coal.

4.2.3. The permittee shall install, evaluate, operate, and maintain instrumentation to measure the heat input into the furnace.

4.2.4. Instruments will be installed for measuring the pH of the scrubber inlet water and effluent water and pH monitors will be installed in the operating room so that the dryer operator can maintain the necessary influent pH to attain the required minimum SO_2 removal efficiency.

4.2.5. The permittee shall install flow straightening devices in the stack of the Loveridge fluidized bed thermal dryer to insure that cyclonic flow does not occur.

4.2.6. For the purpose of determining compliance with the opacity limits of 45CSR5 and 40 CFR 60 Subpart Y, the permittee shall conduct visible emissions checks and/or opacity monitoring for all emissions units subject to an opacity standard [*Except for the following: Conveyor CB8A (018A), Conveyor C9 (032) and Batch Weigh Loadout Bin BWL (038B), which are subject to the certification of compliance requirements in 40 CFR§60.255(b) found in Section 4.3.5. of this permit*]:

a. An initial visible emissions evaluation in accordance with 40 CFR 60 Appendix A-4, Method 9 shall be performed within ninety (90) days of permit issuance for each emission unit with a visible emissions requirement in this permit unless such evaluation was performed within the consecutive 12-month period preceding permit issuance. This initial evaluation shall consist of three 6-minute averages during one

consecutive 60 minute period. The initial evaluation shall be conducted at each emissions unit during the period of maximum expected visible emissions under normal unit and facility operations.

b. Each emissions unit with a visible emissions limit contained in this permit shall be observed visually at least once each calendar week during periods of normal facility operation for a sufficient time interval to determine the presence of absence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40 CFR Part 60, Appendix A-7, Method 22 or from the lecture portion of the 40 CFR Part 60, Appendix A-4, Method 9 certification course.

If visible emissions from any of the emissions units are observed during these weekly observations, or at any other time, that appear to exceed 50 percent of the allowable visible emission requirement for the emission unit, visible emissions evaluations in accordance with 40 CFR 60 Appendix A-4, Method 9 shall be conducted as soon as practicable, but no later than seventy-two (72) hours from the time of the observation. A Method 9 evaluation shall not be required if the visible emissions condition is corrected as expeditiously as possible, but no later than twenty-four (24) hours from the time of the observation; the emissions unit is operating at normal operating conditions; and, the dates and times, causes and corrective measures taken are recorded.

c. If the initial, or any subsequent, visible emissions evaluation indicates visible emissions in excess of 50 percent of the allowable visible emissions requirement for a given emission unit, a visible emissions evaluation in accordance with 40 CFR 60 Appendix A-4, Method 9 shall be performed for that unit at least once every consecutive 14-day period. If subsequent visible emissions evaluations indicate visible emissions less than or equal to 50 percent of the allowable visible emissions requirement for the emission unit for 3 consecutive evaluation periods, the emission unit may comply with the visible emissions testing requirements in Section 4.2.4.b. of this permit in lieu of those established in this condition.

d. A visual emissions evaluation shall be conducted on all process and control equipment at least once each calender month. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

e. A visible emissions evaluation shall be conducted for each emission unit at least once every consecutive 12-month period in accordance with 40 CFR 60 Appendix A-4, Method 9. This annual evaluation shall consist of a minimum of 24 consecutive observations for each emission unit.

f. A record of each visible emissions observation shall be maintained, including any data required by 40 CFR 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

4.2.7. **Continuous Monitoring Requirements for Thermal Dryer.** The owner or operator of each affected facility constructed, reconstructed, or modified on or before April 28, 2008, must meet the monitoring requirements specified in paragraphs (a)(1) and (2) of this section, as applicable to the affected facility. **[40CFR§60.256(a)]**

(1) The owner or operator of any thermal dryer shall install, calibrate, maintain, and continuously operate monitoring devices as follows: **[40CFR§60.256(a)(1)]**

(i) A monitoring device for the measurement of the temperature of the gas stream at the exit of the thermal dryer on a continuous basis. The monitoring device is to be certified by the manufacturer to be accurate within ±1.7 °C (±3 °F).
[40CFR§60.256(a)(1)(i)]

(ii) For affected facilities that use wet scrubber emission control equipment:
[40CFR§60.256(a)(1)(ii)]

(A) A monitoring device for the continuous measurement of the pressure loss through the venturi constriction of the control equipment. The monitoring device is to be certified by the manufacturer to be accurate within ±1 inch water gauge.
[40CFR§60.256(a)(1)(i)(A)]

(B) A monitoring device for the continuous measurement of the water supply pressure to the control equipment. The monitoring device is to be certified by the manufacturer to be accurate within ±5 percent of design water supply pressure. The pressure sensor or tap must be located close to the water discharge point. The Administrator shall have discretion to grant requests for approval of alternative monitoring locations.
[40CFR§60.256(a)(1)(i)(B)]

(2) All monitoring devices under paragraph (a) of this section are to be recalibrated annually in accordance with procedures under §60.13(b).
[40CFR§60.256(a)(2)]

4.3. Testing Requirements

4.3.1. Notwithstanding any other testing requirements, the permittee shall conduct or have conducted performance test(s) on Thermal Dryer to determine compliance with the SO_2 emission limit under 4.1.4. The test shall be performed according to the following conditions:

a. The sulfur content of the coal fired in the furnace be, at a minimum, 3.4% by weight.

b. SO_2 emissions shall be determined when the furnace is operating at the following scenarios:

(1) Combusting only coal at a heat input of 90 MMBtu/Hr with no introduction of NaOH downstream of the scrubber.

(2) Combusting only coal at a heat input of 120 MMBtu/Hr with an introduction of a 20% solution of NaOH downstream of the scrubber.

(3) At a furnace heat input of 182 MMBtu/Hr with coal providing 120 MMBtu/Hr and coal bed methane providing 62 MMBtu/Hr and with an introduction of a 20% solution of NaOH downstream of the scrubber.

c. Testing shall occur according to the schedule given in the following table:

(1) Within 180 days after the issuance date of the permit, the permittee shall conduct or have conducted performance test(s) while operating at the conditions described under 4.3.1.b(1).

(2) Within 180 days of operating the furnace at a heat input greater than 95 mmBtu/hr, the permittee shall conduct or have conducted performance test(s) while operating at the conditions described under

4.3.1.b(2).

(3) Within 180 days of operating the furnace at a heat input greater than 125 mmBtu/hr, the permittee shall conduct or have conducted performance test(s) while operating at the conditions described under 4.3.1.b(3).

4.3.2. The test required under 4.3.1 shall be in accordance with 3.3.1.

4.3.3. Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, or at such other times specified by this part, the owner or operator of such facility shall conduct performance test(s) and furnish a written report of the results of such performance test(s).
[40CFR§60.8(a)]

4.3.4. Compliance with opacity standards in this part shall be determined by conducting observations in accordance with Method 9 in appendix A of this part. For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours (30 6-minute averages) for the performance test or other set of observations (meaning those fugitive-type emission sources subject only to an opacity standard).
[40CFR§60.11(b)]

4.3.5. **Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests.** An owner or operator of each affected facility that commenced construction, reconstruction, or modification on or before April 28, 2008, must conduct performance tests required by §60.8 to demonstrate compliance with the applicable emission standards using the methods identified in §60.257.
[40CFR§60.255(a)]

4.3.6. **Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests.** An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008 [Belt Conveyor CB18, Belt Conveyor CB18A, Truck Loadout Bin TLB, Belt Conveyor CB10, Refuse Loadout Bin 1 (024), Belt Conveyor CB19A and Batch Weigh Loadout Bin BWL], must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section.
[40CFR§60.255(b)]

(1) For each affected facility subject to a PM, SO_2, or combined NO_x and CO emissions standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according the requirements in paragraphs (b)(1)(i) through (iii) of this section, as applicable.
[40CFR§60.255(b)(1)]

(i) If the results of the most recent performance test demonstrate that emissions from the affected facility are greater than 50 percent of the applicable emissions standard, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.
[40CFR§60.255(b)(1)(i)]

(ii) If the results of the most recent performance test demonstrate that emissions from the affected facility are 50 percent or less of the applicable emissions standard, a new performance test must be conducted within 24 calendar months of the date that the previous performance test was required to be completed.
[40CFR§60.255(b)(1)(ii)]

(iii) An owner or operator of an affected facility that has not operated for the 60 calendar days prior to the

due date of a performance test is not required to perform the subsequent performance test until 30 calendar days after the next operating day.
[40CFR§60.255(b)(1)(iii)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.
[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.
[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calender months of the date that the previous performance test was required to be completed.
[40CFR§60.255(b)(2)(ii)]

4.3.7. **Performance Tests and Other Compliance Requirements for Subpart Y.** If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems), coal storage systems, or other coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building do not exceed any of the standards in §60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.
[40CFR§60.255(c)]

4.3.8. An owner or operator of an affected facility (other than a thermal dryer) that commenced construction, reconstruction, or modification after April 28, 2008, is subject to a PM emission standard and uses a control device with a design controlled potential PM emissions rate of 1.0 Mg (1.1 tons) per year or less is exempted from the requirements of paragraphs (b)(1)(i) and (ii) of this section provided that the owner or operator meets all of the conditions specified in paragraphs (d)(1) through (3) of this section. This exemption does not apply to thermal dryers.
[40CFR§60.255(d)]

(1) PM emissions, as determined by the most recent performance test, are less than or equal to the applicable limit,
[40CFR§60.255(d)(1)]

(2) The control device manufacturer's recommended maintenance procedures are followed, and
[40CFR§60.255(d)(2)]

(3) All 6-minute average opacity readings from the most recent performance test are equal to or less than half the applicable opacity limit or the monitoring requirements in paragraphs (e) or (f) of this section are followed.
[40CFR§60.255(d)(3)]

4.3.9. For an owner or operator of a group of up to five of the same type of affected facilities that commenced construction, reconstruction, or modification after April 28, 2008, that are subject to PM emissions standards and use identical control devices, the Administrator or delegated authority may allow the owner or operator to

use a single PM performance test for one of the affected control devices to demonstrate that the group of affected facilities is in compliance with the applicable emissions standards provided that the owner or operator meets all of the conditions specified in paragraphs (e)(1) through (3) of this section.
[40CFR§60.255(e)(1)]

(1) PM emissions from the most recent performance test for each individual affected facility are 90 percent or less of the applicable PM standard;
[40CFR§60.255(e)(1)]

(2) The manufacturer's recommended maintenance procedures are followed for each control device; and
[40CFR§60.255(e)(2)]

(3) A performance test is conducted on each affected facility at least once every 5 calendar years.
[40CFR§60.255(e)(3)]

4.3.10. **Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System.** As an alternative to meeting the requirements in paragraph (b)(2) of this section *[see permit condition 4.3.5. above]*, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.
[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.
[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.
[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.
[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calender years for each affected facility.
[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in **excess** of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, *see* OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based

Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.
[40CFR§60.255(f)(2)]

4.3.11. **Performance Tests and Other Compliance Requirements for Subpart Y - COMS.** As an alternative to meeting the requirements in paragraph (b)(2) of this section *[see permit condition 4.3.5. above]*, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, subject to a visible emissions standard under this subpart may install, operate, and maintain a continuous opacity monitoring system (COMS). Each COMS used to comply with provisions of this subpart must be installed, calibrated, maintained, and continuously operated according to the requirements in paragraphs (g)(1) and (2) of this section.
[40CFR§60.255(g)]

4.3.12. **Coal Truck Dump Operations.** The owner or operator of each affected coal truck dump operation that commenced construction, reconstruction, or modification after April 28, 2008, must meet the requirements specified in paragraphs (h)(1) through (3) of this section.
[40CFR§60.255(h)]

(1) Conduct an initial performance test using Method 9 of appendix A–4 of this part according to the requirements in paragraphs (h)(1)(i) and(ii).
[40CFR§60.255(h)(1)]

(i) Opacity readings shall be taken during the duration of three separate truck dump events. Each truck dump event commences when the truck bed begins to elevate and concludes when the truck bed returns to a horizontal position.
[40CFR§60.255(h)(1)(i)]

(ii) Compliance with the applicable opacity limit is determined by averaging all 15-second opacity readings made during the duration of three separate truck dump events.
[40CFR§60.255(h)(1)(ii)]

(2) Conduct monthly visual observations of all process and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.
[40CFR§60.255(h)(2)]

(3) Conduct a performance test using Method 9 of appendix A–4 of this part at least once every 5 calendar years for each affected facility.
[40CFR§60.255(h)(3)]

4.3.13. **Test Methods and Procedures for Subpart Y.** The owner or operator must determine compliance with the applicable opacity standards as specified in paragraphs (a)(1) through (3) of this section.
[40CFR§60.257(a)]

(1) Method 9 of Appendix A-4 of this part and the procedures in §60.11 must be used to determine opacity, with the exceptions specified in paragraphs (a)(1)(i) and (ii).
[40CFR§60.257(a)(1)]

(i) The duration of the Method 9 of Appendix A-4 of this part performance test shall be 1 hour (ten 6-minute averages).
[40CFR§60.257(a)(1)(i)]

(ii) If, during the initial 30 minutes of the observation of a Method 9 of Appendix A-4 of this part performance test, all of the 6-minute average opacity readings are less than or equal to half the applicable opacity limit, then the observation period may be reduced from 1 hour to 30 minutes.
[40CFR§60.257(a)(1)(ii)]

(2) To determine opacity for fugitive coal dust emissions sources, the additional requirements specified in paragraphs (a)(2)(i) through (iii) must be used.
[40CFR§60.257(a)(2)]

(i) The minimum distance between the observer and the emission source shall be 5.0 meters (16 feet), and the sun shall be oriented in the 140-degree sector of the back.
[40CFR§60.257(a)(2)(i)]

(ii) The observer shall select a position that minimizes interference from other fugitive coal dust emissions sources and make observations such that the line of vision is approximately perpendicular to the plume and wind direction.
[40CFR§60.257(a)(2)(ii)]

(iii) The observer shall make opacity observations at the point of greatest opacity in that portion of the plume where condensed water vapor is not present. Water vapor is not considered a visible emission.
[40CFR§60.257(a)(2)(iii)]

(3) A visible emissions observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions specified in paragraphs (a)(3)(i) through (iii) of this section are met.
[40CFR§60.257(a)(3)]

(i) No more than three emissions points may be read concurrently.
[40CFR§60.257(a)(3)(i)]

(ii) All three emissions points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.
[40CFR§60.257(a)(3)(ii)]

(iii) If an opacity reading for any one of the three emissions points is within 5 percent opacity from the applicable standard (excluding readings of zero opacity), then the observer must stop taking readings for the other two points and continue reading just that single point.
[40CFR§60.257(a)(3)(iii)]

4.3.14. **Test Methods and Procedures for Subpart Y.** The owner or operator must conduct all performance tests required by §60.8 to demonstrate compliance with the applicable emissions standards specified in §60.252 according to the requirements in §60.8 using the applicable test methods and procedures in paragraphs (b)(1) through (8) of this section.
[40CFR§60.257(b)]

4.4. Recordkeeping Requirements

4.4.1. **Record of Monitoring.** The permittee shall keep records of monitoring information that include the following:

a. The date, place as defined in this permit and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.

4.4.2. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0 of this permit, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0 of this permit, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

4.4.4. The permittee shall maintain records of all monitoring data required by Section 4.2.6 of this permit by documenting the date and time of each visible emission check, the emission point or equipment/source identification number, the name or means of identification of the observer, the results of the check(s), whether the visible emissions are normal for the process, and, if applicable, all corrective measures taken or planned. The permittee shall also record the general weather conditions (i.e. sunny, approximately 80°F, 6 - 10 mph NE wind) during the visual emission check(s). An example form is supplied as Appendix A. Should a visible emission observation be required to be performed per the requirements specified in Method 9, the data records of each observation shall be maintained per the requirements of Method 9. For an emission unit out of service during the normal monthly evaluation, the record of observation may note "out of service" (O/S) or equivalent.

4.5. Reporting Requirements

4.5.1. Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the

Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

4.5.2. Any violation(s) of the allowable SO_2 requirements in Section 4.1.4 of this permit and recorded in Appendix A must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the testing, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

4.5.3. With regard to any testing required by the Director, the permittee shall submit to the Director of Air Quality and the Associate Director - Office of Enforcement and Permit Review (3AP12) of the U.S. EPA a test protocol detailing the proposed test methods, the date, and the time the proposed testing is to take place, as well as identifying the sampling locations and other relevant information. The test protocol must be received by the Director and the Associate Director no less than thirty (30) days prior to the date the testing is to take place. Test results shall be submitted to the Director and the Associate Director no more than sixty (60) days after the date the testing takes place.

4.5.4. **Notification and Record Keeping.** Any owner or operator subject to the provisions of this part shall furnish written notification as follows:
[40CFR§60.7(a)]

(1) A notification of the date construction (or reconstruction as defined under §60.15) of an affected facility is commenced postmarked no later than 30 days after such date.
[40CFR§60.7(a)(1)]

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.
[40CFR§60.7(a)(3)]

4.5.5. The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:
[40CFR§60.258(a)]

(1) The manufacturer's recommended maintenance procedures and the date and time of any maintenance and inspection activities and the results of those activities. Any variance from manufacturer recommendation, if any, shall be noted.
[40CFR§60.258(a)(1)]

(2) The date and time of periodic coal preparation and processing plant visual observations, noting those sources with visible emissions along with corrective actions taken to reduce visible emissions. Results from the actions shall be noted.
[40CFR§60.258(a)(2)]

(3) The amount and type of coal processed each calendar month.
[40CFR§60.258(a)(3)]

(4) The amount of chemical stabilizer or water purchased for use in the coal preparation and processing plant.
[40CFR§60.258(a)(4)]

(5) Monthly certification that the dust suppressant systems were operational when any coal was processed and that manufacturer's recommendations were followed for all control systems. Any variance from the manufacturer's recommendations, if any, shall be noted.
[40CFR§60.258(a)(5)]

(6) Monthly certification that the fugitive coal dust emissions control plan was implemented as described. Any variance from the plan, if any, shall be noted. A copy of the applicable fugitive coal dust emissions control plan and any letters from the Administrator providing approval of any alternative control measures shall be maintained with the logbook. Any actions, e.g. objections, to the plan and any actions relative to the alternative control measures, e.g. approvals, shall be noted in the logbook as well.
[40CFR§60.258(a)(6)]

(7) For each bag leak detection system, the owner or operator must keep the records specified in paragraphs (a)(7)(i) through (iii) of this section.
[40CFR§60.258(a)(7)]

(i) Records of the bag leak detection system output;
[40CFR§60.258(a)(7)(i)]

(ii) Records of bag leak detection system adjustments, including the date and time of the adjustment, the initial bag leak detection system settings, and the final bag leak detection settings; and
[40CFR§60.258(a)(7)(ii)]

(iii) The date and time of all bag leak detection system alarms, the time that procedures to determine the cause of the alarm were initiated, the cause of the alarm, an explanation of the actions taken, the date and time the cause of the alarm was alleviated, and whether the cause of the alarm was alleviated within 3 hours of the alarm.
[40CFR§60.258(a)(7)(iii)]

(8) A copy of any applicable monitoring plan for a digital opacity compliance system and monthly certification that the plan was implemented as described. Any variance from plan, if any, shall be noted.
[40CFR§60.258(a)(8)]

(9) During a performance test of a wet scrubber, and each operating day thereafter, the owner or operator shall record the measurements of the scrubber pressure loss, water supply flow rate, and pH of the wet scrubber liquid.
[40CFR§60.258(a)(9)]

(10) During a performance test of control equipment other than a wet scrubber, and each operating day thereafter, the owner or operator shall record the measurements of the reagent injection flow rate, as applicable.
[40CFR§60.258(a)(10)]

4.5.6. For the purpose of reports required under section 60.7(c), any owner operator subject to the provisions of this subpart also shall report semiannually periods of excess emissions as follow:
[40CFR§60.258(b)]

(1) The owner or operator of an affected facility with a wet scrubber shall submit semiannual reports to the Administrator or delegated authority of occurrences when the measurements of the scrubber pressure loss, water supply flow rate, or pH of the wet scrubber liquid vary by more than 10 percent from the average determined during the most recent performance test.
[40CFR§60.258(b)(1)]

(2) The owner or operator of an affected facility with control equipment other than a wet scrubber shall submit semiannual reports to the Administrator or delegated authority of occurrences when the measurements of the reagent injection flow rate, as applicable, vary by more than 10 percent from the average determined during the most recent performance test.
[40CFR§60.258(b)(2)]

(3) All 6-minute average opacities that exceed the applicable standard.
[40CFR§60.258(b)(3)]

4.5.7. **Reporting for Subpart Y - Results of Initial Performance Tests.** The owner or operator of an affected

facility shall submit the results of initial performance tests to the Administrator or delegated authority, consistent with the provisions of section 60.8. The owner or operator who elects to comply with the reduced performance testing provisions of sections 60.255(c) or (d) shall include in the performance test report identification of each affected facility that will be subject to the reduced testing. The owner or operator electing to comply with section 60.255(d) shall also include information which demonstrates that the control devices are identical.
[40CFR§60.258(c)]

4.5.8. **Reporting for Subpart Y - WebFIRE Data Base.** After July 11, 2011, within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with this subpart, the owner or operator of the affected facility must submit the test date to EPA by successfully entering the data electronically into EPA's WebFIRE data base available at *http://cfpub.epa.gov/oarweb/index.cfm?action=fire.main.* For performance tests that cannot be entered into WebFIRE (i.e. Method 9 of appendix A-4 of this part opacity performance tests) the owner or operator of the affected facility must mail a summary copy to United States Environmental Protection Agency; Energy Strategies Group; 109 TW Alexander DR; mail code D243-01; RTP, NC 27711.
[40CFR§60.258(d)]

APPENDIX A – Weekly Opacity Record

Consolidation Coal Company
Loveridge Preparation Plant
Company ID No. 049-00019
Permit No. R13-0760E

Date of Observation:

Data Entered by:

Reviewed by:

Date Reviewed:

Describe the General Weather Conditions:

Stack ID/Vent ID/ Emission Point ID	Stack/Vent/Emission Point Description	Time of Observation	Visible Emissions? Yes/No	Consecutive Weeks of Visual Emissions	Comments

CERTIFICATION OF DATA ACCURACY

I, the undersigned, hereby certify that, based on information and belief formed after reasonable inquiry, all information contained in the attached _____, representing the period beginning _____ and ending _____, and any supporting documents appended hereto, is true, accurate, and complete.

Signature[1] _____ _____

(please use blue ink) Responsible Official or Authorized Representative — Date

Name and Title _____ .....

(please print or type) Name — Title

Telephone No. _____ Fax No. _____

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[1] This form shall be signed by a "Responsible Official." "Responsible Official" means one of the following:

a. For a corporation: The president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:

(I) the facilities employ more than 250 persons or have a gross annual sales or expenditures exceeding $25 million (in second quarter 1980 dollars), or

(ii) the delegation of authority to such representative is approved in advance by the Director;

b. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;

c. For a municipality, State, Federal, or other public entity: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of USEPA); or

d. The designated representative delegated with such authority and approved in advance by the Director.