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1.0 Emission Units and Active R13, R14, and R19 Permits

1.1 Emission Units

Source ID	Emission Point ID	Equipment Description	Maximum Design Capacity		Date of Construction, Reconstruction or Modification	Fugitive Dust Control System/Control Device ¹	Control Device ID	Associated Emission Points		
			TPH	TPY x 10 ⁶				ID No.	Transfer Description	Fugitive Dust Control System/Control Device ¹
RAW COAL CIRCUIT										
001B	Z01	Screen 1 – Screening of run of mine raw coal at mine's skip shaft	1,800	10.0	M 2006 C 2000	FE	NA	001	Raw coal from mine to Screen/Crusher Unit	FE
								002	Screened/crushed coal to Conveyor CB1	FE
001A	Z01	Crusher 1 – Crushing of run of mine raw coal at mine's skip shaft	1,800	10.0	M 2006 C 2000	FE	NA	001	Raw coal from mine to Screen/Crusher Unit	FE
								002	Screened/crushed coal to Conveyor CB1	FE
003	Z01	Conveyor CB1 - Belt from Screen/Crusher Building to Conveyor CB2 in Raw Coal (RC) Transfer Building	1,800	10.0	M 2006 C 2000	PE	NA	004	Raw coal (RC) from Conveyor CB1 to Conveyor CB2 or Run of Mine Bin	FE
007A		Run of Mine Bin - receives raw coal from Conveyor CB1 and loads it to truck/pan - 300 ton capacity	1,800	10.0	M 2006	FE	NA	027	Raw Coal (RC) from Run of Mine Bin to truck/pan for transport to stockpiles	N
005	Z01	Conveyor CB2 - Belt from RC Transfer Building to Run of mine Silo 1	1,800	10.0	M 2006 C 2000	PE	NA	006	RC from Conveyor CB2 to Run of Mine Silo 1 load-in	FE
007	Z01	Run of Mine Silo 1 - (Capacity 6,000 tons)	1,800 in 1,500 out	10.0	M 2006 C 1970	FE	NA	007A	Run of Mine Silo 1 reclaim to Conveyor CB15	PE
047	Z01	Conveyor CB15 - Belt from pan/truck dump reclaim feeder and Run of Mine Silo 1 to Conveyor CB3 (plant feed) or Conveyor CB7	1,500	1.24	2000	PE	NA	031	Stockpile reclaim to Conveyor CB15	N
								047A	Transfer from Conveyor CB15 to Conveyor CB3 or Conveyor CB7	FE
008	Z01	Conveyor CB3 - Belt from Conveyor CB15 to Preparation Plant	1,500	10.0	2000	PE	NA	008A	RC from Conveyor CB3 to Preparation Plant	FE
016	Z01	Conveyor CB7 - Belt from Conveyor CB15 to Conveyor CB8 (see Clean Coal Circuit)	1,500	6.0	1970	PE	NA	016A	RC from Conveyor CB7 to Conveyor CB8	PE
055	Z01	Conveyor CB16 - Belt from Clean/Raw Coal Stockpile 1 reclaim feeder to Preparation Plant	1,500	1.3	1996	PE	NA	055A	Clean/Raw Coal Stockpile reclaim feeder to Conveyor CB16	N
STOCKPILES										
029	Z01	Clean/Raw Coal Stockpile 1 - Stockpile footprint is 13 acres with a storage capacity of approximately 900,000 tons.	NA	2.0	2000	MC	NA	028	CC/RC Stockpile 1 coal loadin from pan	MC
								030	CC/RC Stockpile 1 coal loadout to pan	MC
039	Z01	Raw Coal Stockpile 1 - Stockpile footprint is 9.9 acres with a storage capacity of approximately 480,000 tons.	NA	1.0	1990	MC	NA	040	RC Stockpile 1 coal loadin from pan	MC
								041	RC Stockpile 1 coal loadout to pan	MC
								041A	Grading RC Stockpile 1	MC
042	Z01	Raw Coal Stockpile 2 - Stockpile footprint is 3.3 acres with a storage capacity of approximately 90,000 tons.	NA	0.2	1990	MC	NA	043	RC Stockpile 2 coal loadin from pan	MC
								044	RC Stockpile 2 coal loadout to pan	MC
								044A	Grading RC Stockpile 2	MC

Source ID	Emission Point ID	Equipment Description	Maximum Design Capacity		Date of Construction, Reconstruction or Modification	Fugitive Dust Control System/Control Device ¹	Control Device ID	Associated Emission Points		
			TPH	TPY x 10 ⁶				ID No.	Transfer Description	Fugitive Dust Control System/Control Device ¹
052H	Z01	Haulroads-Unpaved Roads - Raw Coal to/from Raw Coal Stockpile #2/ full	NA	NA	1990	WT	NA	043	RC Stockpile 2 coal loadin from pan	MC
								044	RC Stockpile 2 coal loadout to pan	MC
052I	Z01	Haulroads-Unpaved Roads - Empty trucks to truck loadout	NA	NA	1970	WT	NA			
052J	Z01	Haulroads-Unpaved Roads - Full trucks from truck loadout	NA	NA	1970	WT	NA	045	Truck Loadout Bin TLB #1 to Trucks/Pan	PE
052K	Z01	Haulroads-Unpaved Roads - Clean Coal to/from CC/RC Stockpile #1 / full	NA	NA	2000	WT	NA	28	CC/RC Stockpile 1 coal loading from pan	MC
								30	CC/RC Stockpile 1 coal loadout to pan	MC
052L	Z01	Haulroads-Unpaved Roads - Clean Coal to/from CC/RC Stockpile #1 / empty	NA	NA	2000	WT	NA			
052M	Z01	Haulroads - Unpaved Roads - Trucks transporting coal from Truck Loadout Bin TLB	1,000	1.0	C 2011	WT	NA	TLTP3	Transfer of clean coal to trucks for shipment off-site	MD
MISCELLANEOUS										
048	Z01	Lime Storage Silo 1	NA	NA	1970	NA	NA			
050	Z01	Rock Dust Silo 1	NA	NA	1970	NA	NA			
009B	Z01	VOC emissions from prep plant Froth Flotation Cell	NA	NA	2000	NA	NA			
009	P001	VOC emissions from prep plant Vacuum Filter	NA	NA	2000	NA	NA			
049	Z01	VOC emissions from water treatment Thickener	NA	NA	2000	NA	NA			
020	Z01	VOC emissions from rail cars anti-freeze spray	NA	NA	1970	NA	NA			
053A-M	Z01	VOC working/breathing losses from liquid chemical and petroleum storage tanks	NA	NA	1970	NA	NA			

¹ 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.

1.2. Active R13, R14, and R19 Permits

The underlying authority for any conditions from R13, R14, and/or R19 permits contained in this operating permit is cited using the original permit number (e.g. R13-1234). The current applicable version of such permit(s) is listed below.

Permit Number	Date of Issuance
R13-0718F	November 4, 2016
R13-0718G	November 22, 2019

- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

[45CSR§30-5.1.c.2.A.] [45CSR13, R13-0718, 4.4.1]

- 3.4.2. **Retention of records.** The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of monitoring sample, measurement, report, application, or record creation date. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Where appropriate, records may be maintained in computerized form in lieu of the above records.

[45CSR§30-5.1.c.2.B.]

- 3.4.3. **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§30-5.1.c. State-Enforceable only.] [45CSR13, R13-0718, 3.4.2]

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.

[45CSR§§30-4.4. and 5.1.c.3.D.]

- 3.5.2. A permittee may request confidential treatment for the submission of reporting required under 45CSR§30-5.1.c.3. pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.

[45CSR§30-5.1.c.3.E.]

- 3.5.3. Except for the electronic submittal of the annual compliance certification and semi-annual monitoring reports to the DAQ and USEPA as required in 3.5.5 and 3.5.6 below, 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 or by private carrier with postage prepaid to the address(es), or submitted in electronic format by e-mail as set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

DAQ:

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

US EPA:

~~Associate Director~~ [Section Chief](#)
~~Office of Air Enforcement and Compliance Assistance~~
~~(3AP20)~~
U. S. Environmental Protection Agency, Region III
[Enforcement and Compliance Assurance Division](#)
[Air Section \(3ED21\)](#)
1650 Arch Street
Philadelphia, PA 19103-2029

DAQ Compliance and Enforcement¹:

DEPAirQualityReports@wv.gov

¹For all self-monitoring reports (MACT, GACT, NSPS, etc.), stack tests and protocols, Notice of Compliance Status reports, Initial Notifications, etc.

3.5.4. **Certified emissions statement.** 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.
[45CSR§30-8.]

3.5.5. **Compliance certification.** The permittee shall certify compliance with the conditions of this permit on the forms provided by the DAQ. In addition to the annual compliance certification, the permittee may be required to submit certifications more frequently under an applicable requirement of this permit. The annual certification shall be submitted to the DAQ and USEPA on or before March 15 of each year, and shall certify compliance for the period ending December 31. The permittee shall maintain a copy of the certification on site for five (5) years from submittal of the certification. The annual certification shall be submitted in electronic format by e-mail to the following addresses:

DAQ:

DEPAirQualityReports@wv.gov

US EPA:

R3_APD_Permits@epa.gov

[45CSR§30-5.3.e.]

3.5.6. **Semi-annual monitoring reports.** The permittee shall submit reports of any required monitoring on or before September 15 for the reporting period January 1 to June 30 and on or before March 15 for the reporting period July 1 to December 31. All instances of deviation from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with 45CSR§30-4.4. The semi-annual monitoring reports shall be submitted in electronic format by e-mail to the following address:

DAQ:

DEPAirQualityReports@wv.gov

[45CSR§30-5.1.c.3.A.]

3.5.7. **Emergencies.** For reporting emergency situations, refer to Section 2.17 of this permit.

3.5.8. **Deviations.**

a. In addition to monitoring reports required by this permit, the permittee shall promptly submit supplemental reports and notices in accordance with the following:

1. Any deviation resulting from an emergency or upset condition, as defined in 45CSR§30-5.7., shall be reported by telephone or telefax within one (1) working day of the date on which the permittee becomes aware of the deviation, if the permittee desires to assert the affirmative defense in accordance with 45CSR§30-5.7. A written report of such deviation, which shall include the

4.0 Preparation Plant, Refuse Disposal Area, Transfer Points, Thermal Dryer, Haulroads, Storage Silos [emission unit ID(s): 001A, 001B, 003, 005, 007, 007A, 008, 010, 012, 012A, 013, 015, 016, 018, 020, 022, 024, 029, 033, 034, 036, 037C, 038, 039, 042, 046-048, 047, 050, 052, 052A, 052B, 052C, 052D, 052F, 052G, 052H, 052I, 052J, 052K, 052L, 052M, 055, 056, 058, CB18, CB18A, CB19, CB19A, CB20, CR1, TLB, BWL]

4.1. Limitations and Standards

- 4.1.1. The sulfur dioxide control system as described in Consolidation Coal Company's September 8, 1992 submission, involving the addition of caustic to the wet coal that feeds the fluidizing bed and the operation of a continuous emission monitoring system, shall be operated continuously when the thermal dryer is in operation.
[45CSR13, R13-0718, 4.1.4.] [037C]
- 4.1.2. The emissions limit for SO₂ shall be set at
(a) 120.7 lbs/hr measured on the basis of a one-hour average
(b) 20.7 tons/month measured on the basis of actual emissions, and
(c) 249.4 tons/year.
[45CSR13, R13-0718, 4.1.5.] [037C]
- 4.1.3. The thermal dryer will be operated no more than 5,850 hours per year.
[45CSR13, R13-0718, 4.1.6.] [037C]
- 4.1.4. The following table sets forth the allowable hourly and annual limitations for total particulate matter, carbon monoxide, nitrogen dioxide, sulfur dioxide, and volatile organic compounds from the thermal dryer (037C) at emission point P002.

Pollutant	Hourly Emissions (lb/hr)	Annual Emissions (ton/year)
Total Particulate Matter (PM)	24.2	70.8
Carbon Monoxide (CO)	43.2	103
Nitrogen Dioxide (NO _x)	46.6	136
Sulfur Dioxide (SO ₂)	120.7	249.4
Volatile Organic Compounds (VOC)	24.6	47.4

[45CSR13, R13-0718, 4.1.7.] [037C]

- 4.1.5. Throughput of coal from conveyor belts CB3 and CB16 combined into the preparation plant shall not exceed 1,500 tons per hour or 10,000,000 tons per year in raw coal input.
[45CSR13, R13-0718, 4.1.8.] [008, 055]

- 4.1.6. 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.

[45CSR13, R13-0718, 4.1.9.] [052, 052A, 052B, 052C, 052D, 052F, 052G, 052H, 052I, 052J, 052K, 052L, 052M]

- 4.1.7. The permitted facility shall be constructed and operated in accordance with ~~information~~ [the plans and specifications](#) filed in Permit Applications [R13-0718G, R13-0718F, R13-0718E, R13-0718D, R13-0718C, R13-0718B, R13-0718A](#) and R13-0718, ~~R13-0718A, R13-0718B, R13-0718C, R13-0718D, R13-0718E, and R13-0718F~~ and any [modifications, administrative updates, or](#) amendments thereto. The Director may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-0718, 2.5.1.; [45CSR§§13-5.10 and 10.3](#)]

- 4.1.8. **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.

[40 C.F.R. § 60.254(a); 45CSR13, R13-0718, 4.1.20.; 45CSR16] [001B, 001A, 003, 005, 007, 007A, 008, 010, 013, 033, 034, 036, 038, 047, 055, CB19, CB20 & CR1]

- 4.1.9. **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 following requirements:

- (1) Except as provided in paragraph (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.
- (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 matter in excess of 0.023 g/dscm (0.010 gr/dscf).
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (1) of this section.

[40 C.F.R. § 60.254(b); 45CSR13, R13-0718, 4.1.21.; 45CSR16] [[Conveyors CB10, CB18, CB18A, CB19A](#); [TLB \(Truck Loadout Bin\)](#), [RLB \(Refuse Loadout Bin 1\)](#); and ~~022, 024~~, [BWL \(Batch Weigh Loadout bin\)](#)]

- 4.1.10. The permittee shall not cause to be discharged into the atmosphere from any thermal dryer gases that:
- (1) Contain particulate matter in excess of 0.070 g/dscm (0.031 gr/dscf).
 - (2) Exhibit 20 percent opacity or greater.
- [40 C.F.R. § 60.252(a); 45CSR16; 45CSR§5-3.1. & 4.1.a.; 45CSR13, R13-0718, 4.1.19.] [037C]**
- 4.1.11. 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.; 45CSR13, R13-0718, 4.1.10.] [001A, 001B, 003, 005, 007, 007A, 008, 010, 012, 012A, 013, 015, 016, 018, 046, 020, 022, 024, 033, 034, 036, 038, 046, 047, 048, 050, 055, 056, 058, CB18, CB18A, CB19, CB19A, CB20, CR1, BWL & TLB]**
- Note: Compliance with section 4.1.9 shall show compliance with this section for emission units CB18, CB18A, CB19A, TLB, 022, 024, BWL.
- 4.1.12. In order to prevent and control air pollution from coal refuse disposal areas, the operation of coal refuse disposal areas shall be conducted in accordance with the standards established by the following:
- [45CSR§5-7.1.] [Refuse Disposal Area]**
- (a) Coal refuse is not to be deposited on any coal refuse disposal area unless the coal refuse is deposited in such a manner as to minimize the possibility of ignition of the coal refuse.
[45CSR§5-7.2.] [Refuse Disposal Area]
 - (b) Coal refuse disposal areas shall not be so located with respect to mine openings, tipples, or other mine buildings, unprotected coal outcrops or steam lines, that these external factors will contribute to the ignition of the coal refuse on such coal refuse disposal areas.
[45CSR§5-7.3.] [Refuse Disposal Area]
 - (c) Vegetation and combustible materials shall not be left on the ground at the site where a coal refuse pile is to be established, unless it is rendered inert before coal refuse is deposited on such site.
[45CSR§5-7.4.] [Refuse Disposal Area]
 - (d) Coal refuse shall not be dumped or deposited on a coal refuse pile known to be burning, except for the purpose of controlling the fire or where the additional coal refuse will not tend to ignite or where such dumping will not result in statutory air pollution.
[45CSR§5-7.5.] [Refuse Disposal Area]
 - (e) Materials with low ignition points used in the production or preparation of coal, including but not limited to wood, brattice cloth, waste paper, rags, oil and grease, shall not be deposited on any coal refuse disposal area or in such proximity as will reasonably contribute to the ignition of a coal refuse disposal area.
[45CSR§5-7.6.] [Refuse Disposal Area]
 - (f) Garbage, trash, household refuse, and like materials shall not be deposited on or near any coal refuse disposal area.
[45CSR§5-7.7.] [Refuse Disposal Area]
 - (g) The deliberate ignition of a coal refuse disposal area or the ignition of any materials on such an area by any person or persons is prohibited.
[45CSR§5-7.8.] [Refuse Disposal Area]
 - (h) Each burning coal refuse disposal area which allegedly causes air pollution shall be investigated by the Director (in accordance with the following)
[45CSR§5-8.1.] [Refuse Disposal Area]

4.2.2. For the purpose of determining compliance with the opacity limits of Sections 4.1.8, 4.1.9, 4.1.10 and 4.1.11 of this permit, the permittee shall conduct visible emissions checks and/or opacity monitoring for all emissions units subject to an opacity standard [Except for the following: stockpiles 029 (Clean/Raw Coal Stockpile 1), and 039 (Raw Coal Stockpile 1) ~~and 042 (Raw Coal Stockpile 2)~~ which are exempt; or Conveyors CB10, CB18, CB18A, CB19A, Truck Loadout Bin TLB, Refuse Loadout Bin 1 (024); and batch weigh loadout bin BWL, which are subject to the certification of compliance requirements in 40 C.F.R. §60.255(b) found in Section 4.3.4 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.a.~~ 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 facility operation for a sufficient time interval (but no less than one minute) to determine the presence or 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.

~~e.b.~~ If any 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 4.2.2.~~b.a.~~ of this permit in lieu of those established in this condition.

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

~~e.d.~~ 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.e.~~ 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.

~~g.f.~~ Records shall be maintained on site stating any maintenance or corrective actions taken as a result of the weekly inspections. If any visible emissions evaluation performed in accordance with 40C.F.R.60 Appendix A, Method 9 indicates a visible emissions observation of twenty percent (20%) or greater, the minimum total time of the observations for that emission unit shall be sixty (60) minutes. This section shall not apply if any visible emissions observation is sixty percent (60%) or greater. **[037C only]**

~~h.g.~~ The thermal dryer unit(s) included in this permit shall be observed visually during periods of building a fire of operating quality and minimization efforts shall be taken to ensure particulate matter emissions of sixty percent (60%) opacity for a period of up to 8 minutes in any operating day is not exceeded during such activities.

[40 C.F.R § 60.11(b); 45CSR16; 45CSR13, R13-0718, 4.2.4. and 4.3.1; 45CSR§30-5.1.c] [001B, 001A, 003, 005, 007, 007A, 008, 010, 012, 012A, 013, 015, 016, 018, 020, 033, 034, 036, 037C, 038, 046, 047, 048, 050, 055, 056, 058, CB19, CB20, CR1]

4.2.3. The permittee shall inspect all fugitive dust control systems weekly to ensure that they are operated and maintained in conformance with their designs. The permittee shall maintain records of all scheduled and non-scheduled maintenance. Records shall be maintained on site stating any maintenance or corrective actions taken as a result of the weekly inspections, and the times the fugitive dust control system(s) are inoperable and any corrective actions taken.

[45CSR§30-5.1.c]

4.2.4. The permittee shall use Method 5 or an alternative method approved by the Director for testing particulate matter emissions in condition 4.1.4. Parameter indicator ranges have been established for the exit temperature of the thermal dryer, water pressure to the control equipment, water supply flow rate to the control equipment, and the pressure loss of the inlet airflow to the scrubber (see condition 4.2.1.). The permittee shall monitor these indicator ranges and operate within these ranges to provide a reasonable assurance that the thermal dryer unit is in compliance with opacity and particulate loading limits. The permittee shall take immediate corrective action when a parameter falls outside the indicator range established for that parameter and shall record the cause and corrective measures taken. The permittee shall also record the following parameters during such testing:

- a. Opacity readings on the exhaust stack following the procedures of Method 9;
- b. Amount of coal burned and the amount of coal dried;
- c. Coal drying temperature and residence time in the dryer;
- d. Temperature of the gas stream at the exit of the thermal dryer;
- e. Flow rate through the dryer and converted to dry standard cubic feet;
- f. Water pressure to the control equipment;
- g. Water supply flow rate to the control equipment; and
- h. Pressure loss of the inlet airflow to the scrubber. The pressure drop will be measured between the inlet airflow to the scrubber and outlet airflow of the scrubber, which is atmospheric loss through the venturi constriction of the control equipment.

These records shall be maintained on site.

4.3. Testing Requirements

4.3.1. The following test methods shall be utilized for Sections 4.2.4 and 4.2.6 unless otherwise approved by the Director:

- | | | |
|----|----------------------------|---------------|
| a. | Carbon Monoxide | EPA Method 10 |
| b. | Nitrogen Oxides | EPA Method 7 |
| c. | Volatile Organic Compounds | EPA Method 25 |
| d. | Particulate Matter | EPA Method 5 |

[45CSR§30-5.1.c] [037C]

4.3.2. 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).

[40 C.F.R. §60.8(a); 45CSR16; 45CSR13, R13-0718, 4.3.2]

4.3.3. **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 40 C.F.R. §60.8 to demonstrate compliance with the applicable emission standards using the methods identified in 40 C.F.R. §60.257.

[40 C.F.R. §60.255(a); 45CSR16; 45CSR13, R13-0718, 4.3.3.]

4.3.4. **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 [[Conveyor Belts](#) CB18, CB18A, and CB19A; TLB ([Truck Loadout Bin](#)); [BWL \(batch Weigh Loadout Bin\)](#); 022 ([Belt Conveyor CB10](#)); and 024 ([Refuse Loadout Bin 1](#)); ~~BWL~~], must conduct performance tests according to the requirements of 40 C.F.R. §60.8 and the methods identified in 40 C.F.R. §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in the following paragraphs:

a. For each affected facility subject to a PM, SO₂, or combined NO_x and CO emissions standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the following requirements, as applicable:

1. 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.
2. 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.
3. 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.

b. 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 following requirements in, as applicable, except as provided for in paragraphs 40 C.F.R. §§ 60.255(e) and (f). Performance test and other compliance requirements for coal truck dump operations are specified in 40 C.F.R. §60.255(h).