West Virginia Department of Environmental Protection
Division of Air Quality

Earl Ray Tomblin
Governor

Randy C. Huffman
Cabinet Secretary

Permit to Operate

Pursuant to

Title V

of the Clean Air Act

Issued to:

Virginia Electric and Power Company
Mt. Storm Power Station / Mt. Storm, WV
R30-02300003-2011

John A. Benedict
Director

Issued: March 15, 2011 • Effective: March 29, 2011
Expiration: March 15, 2016 • Renewal Application Due: September 15, 2015

Permit Number: **R30-02300003-2011**
Permittee: **Virginia Electric and Power Company**
Facility Name: **Mt. Storm Power Station**
Permittee Mailing Address: **5000 Dominion Boulevard, Glen Allen, VA 23060**

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45CSR30 — Requirements for Operating Permits. The permittee identified at the above-referenced facility is authorized to operate the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Facility Location:	Mt. Storm, Grant County, West Virginia
Facility Mailing Address:	436 Dominion Blvd. ~~HC #76, Box 430~~, Mt. Storm, WV 26739-8632~~9711~~
Telephone Number:	(304) 259-5272
Type of Business Entity:	Corporation
Facility Description:	Electric Service
SIC Codes:	Primary 4911; Secondary N/A; Tertiary N/A
UTM Coordinates:	649.85 km Easting • 4340.00 km Northing • Zone 17

Permit Writer: Frederick Tipane

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.

Issuance of this Title V Operating Permit does not supersede or invalidate any existing permits under 45CSR13, 14 or 19, although all applicable requirements from such permits governing the facility's operation and compliance have been incorporated into the Title V Operating Permit.

Table of Contents

1.0 Emission Units and Active R13, R14, and R19 Permits 3

2.0 General Conditions 12

3.0 Facility-Wide Requirements 21

4.0 Source-Specific Requirements [Boilers,] 29

5.0 Source-Specific Requirements [Fuel Handling Equipment] 40

6.0 Source-Specific Requirements [Limestone Handling Equipment] 46

7.0 40 CFR Part 60, Subpart Da Requirements for Unit 2 Boiler 53

~~7.0 Source-Specific Requirements [Fire Fighter Training Facility]~~ 55

ATTACHMENT A - Daily Throughput for New Coal Truck Unloading Facility

ATTACHMENT B - Yearly Throughput for New Coal Truck Unloading Facility

ATTACHMENT C - Certification of Data Accuracy

APPENDIX A - CAIR Permit Application

APPENDIX B - 45CSR2 & 45CSR10 Monitoring Plan

APPENDIX C - Acid Rain Permit

APPENDIX D - Federal Consent Decree

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

1.1. Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity[1]	Control Device[2]
Boiler & Associated Equipment					
MTST-01-BLR-STG-1	MS1/2 (MS1/2e)	Unit 1 Boiler – (Combustion Engineering Model No. CCRRDP 60)	1965	5779 mmBtu/hr	ESP, FGDS, LNB, SCR
MTST-02-BLR-STG-1	MS1/2 (MS1/2e)	Unit 2 Boiler – (Combustion Engineering Model No. CCRRDP 60)	1966	5779 mmBtu/hr	ESP, FGDS, LNB, SCR
MTST-03-BLR-STG-1	MS3 (MS3e)	Unit 3 Boiler – (Combustion Engineering Model No. CCRD 66)	1973	5824 mmBtu/hr	ESP, FGDS, LNB, SCR
MTST-00-AB-STG-1	MS4 (MS4e)	Auxiliary Boiler – (Babcock & Wilcox Serial No. FM2943)	1984	150 mmBtu/hr	N
Emergency Generators					
MTST-C1-CTG-T-1	MS5	Combustion Turbine – (Pratt & Whitney Aircraft Division Model FT-4)	1967	215.3 mmBtu/hr 16080/21440 bhp Summer / bhp Winter	N
MTST-00-EG-DG-1A	MS6	Emergency Diesel Generator 1A	1963	4.38 mmBtu/hr; 536 bhp	N
MTST-00-EG-DG-1B	MS6	Emergency Diesel Generator 1B	1963	4.38 mmBtu/hr; 536 bhp	N
Fuel Handling Equipment					
MTST-00-CS-CYS-1	MS7	Coal Silo # 1 (Transfer Point DP7 to feeders)	1972	10,000 Tons	FE
MTST-00-CS-CYS-2	MS7	Coal Silo # 2 (Transfer Point DP7 to feeders)	1972	10,000 Tons	FE
MTST-00-CS-FDR-VB1	MS7	Feeder From Silo #1 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	1996	400 TPH	FE
MTST-00-CS-FDR-N1	MS7	Feeder From Silo #1 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	1996	400 TPH	FE
MTST-00-CS-FDR-N2	MS7	Feeder From Silo #1 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	1996	400 TPH	FE
MTST-00-CS-FDR-VB2	MS7	Feeder From Silo #1 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	1996	400 TPH	FE
MTST-00-CS-FDR-N3	MS7	Feeder From Silo #1 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	1996	400 TPH	FE

[1] Rated Design Capacity
[2] Control Device/Control System abbreviations: ESP = Electrostatic Precipitators, FGDS = Flue Gas Desulfurization Scrubber Absorber, LNB = Low NOx Burners, SCR = Selective Catalytic Reduction, FE = Full enclosure, ME = Mist eliminators, P = Paved, PE = Partial Enclosure, PWT = Pressurized Water Truck, BH = Baghouse(s), DC = Dust Collector(s), MC = Moisture Content, UG = Under Ground, WB = Windbreaks, WS = Water Spray, N = None

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity[1]	Control Device[2]
MTST-00-CS-FDR-N4	MS7	Feeder From Silo #1 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	1996	400 TPH	FE
MTST-00-CS-FDR-VB3	MS7	Feeder From Silo #1 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	1996	400 TPH	FE
MTST-00-CS-FDR-VB4	MS7	Feeder From Silo #2 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	1996	400 TPH	FE
MTST-00-CS-FDR-N5	MS7	Feeder From Silo #2 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	1996	400 TPH	FE
MTST-00-CS-FDR-N6	MS7	Feeder From Silo #2 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	1996	400 TPH	FE
MTST-00-CS-FDR-VB5	MS7	Feeder From Silo #2 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	1996	400 TPH	FE
MTST-00-CS-FDR-N7	MS7	Feeder From Silo #2 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	1996	400 TPH	FE
MTST-00-CS-FDR-N8	MS7	Feeder From Silo #2 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	1996	400 TPH	FE
MTST-00-CS-FDR-VB6	MS7	Feeder From Silo #2 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	1996	400 TPH	FE
MTST-00-CS-CNV-S2	MS7	Coal Conveyor From MTST-00-CS-CNV-S2 To Silo's MTST-00-CS-CYS-1 and 2 (Transfer Point DP6)	1996	1200 TPH	FE
MTST-00-CS-CNV-P1	MS8	Coal Conveyor from Silo Feeders to Transfer House MTST-00-BLD-CYTH-1	1972	1600 TPH	FE
MTST-00-CS-CNV-Q	MS9	Coal Conveyor from Transfer House to Primary Crushers MTST-00-CS-CRH-4 or MTST-00-CS-CRH-5 or By Pass Chutes MTST-00-CS-CHT-C2BP and H2BP	1972	1200 TPH	FE / WS
MTST-00-CS-CRH-4	MS10	Primary Crusher #4 to Conveyor MTST-00-CS-CNV-C2	1985	1200 TPH	FE
MTST-00-CS-CRH-5	MS10	Primary Crusher #5 to Conveyor MTST-00-CS-CNV-H2	1985	1200 TPH	FE
MTST-00-CS-CHT-C2BP	MS10	#4 Crusher By Pass Chute to MTST-00-CS-CNV-C2	1972	800 TPH	FE
MTST-00-CS-CHT-H2BP	MS10	#5 Crusher By Pass Chute to MTST-00-CS-CNV-H2	1972	800 TPH	FE
MTST-00-CS-CNV-C1	MS10	Reclaim Conveyor to Primary Crusher # 4	1985	1200 TPH	UG / FE
MTST-00-CS-CNV-H1	MS10	Reclaim Conveyor to Primary Crusher # 5	1985	1200 TPH	UG / FE /
MTST-00-CS-CNV-C2	MS11	Coal Conveyor from Primary Crusher #4 to Conveyor MTST-00-CS-CNV-D	1985	1200 TPH	FE
MTST-00-CS-CNV-H2	MS11	Coal Conveyor from Primary Crusher #5 to Conveyor MTST-00-CS-CNV-J	1985	1200 TPH	FE

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity[1]	Control Device[2]
MTST-00-CS-FDR-D	MS12	Tripper Reject Feeder to Conveyor MTST-00-CS-CNV-D	1985	1200 TPH	FE
MTST-00-CS-CNV-D	MS12	Coal Conveyor to Units 1, 2, and 3 Bunkers	1985	1200 TPH	FE
MTST-00-CS-FDR-J	MS12	Tripper Reject Feeder to Conveyor MTST-00-CS-CNV-J	1985	1200 TPH	FE
MTST-00-CS-CNV-J	MS12	Coal Conveyor to Units 1, 2, and 3 Bunkers	1985	1200 TPH	FE
MTST-00-CS-UNL-1	MS13	Rail Car Dump	1964	1400 TPH	PE / WS
MTST-00-CS-FDR-A1	MS13	Feeder From Rail Car Dump to Conveyor MTST-00-CS-CNV-B	1964	700 TPH	UG
MTST-00-CS-FDR-A2	MS13	Feeder From Rail Car Dump to Conveyor MTST-00-CS-CNV-B	1964	700 TPH	UG
MTST-00-CS-CNV-B	MS14	Coal Conveyor to Crusher MTST-00-CS-CRH-2 or Conveyor MTST-00-CS-CNV-E and Sample System MTST-00-CSS-SM-B	1972	1400 TPH	UG / FE
MTST-00-CS-CRH-2	MS15	Coal Crusher #2 to Feeder MTST-00-CS-FDR-M2	1964	700 TPH	FE
MTST-00-CS-FDR-M2	MS15	Feeder From Crusher #2 to Conveyor MTST-00-CS-CNV-C2	1985	700 TPH	FE
MTST-00-CSS-FDR-B	MS15	Sample Feeder to Sample Crusher MTST-00-CSS-CRH-B	1985	<500,000 lbs/hr	FE
MTST-00-CSS-CRH-B	MS15	Coal Sample Crusher to Sampler MTST-00-CSS-SM-B	1985	<500,000 lbs/hr	FE
MTST-00-CSS-SM-B	MS15	Automatic Sampler to Sample Cans or Conveyor MTST-00-CS-CNV-E	1985	<500,000 lbs/hr	FE
MTST-00-CS-CNV-G	MS15	Conveyor to Crusher MTST-00-CS-CRH-3 and Feeder MTST-00-CSS-FDR-G	1985	700 TPH	UG / FE
MTST-00-CS-CRH-3	MS15	Crusher #3 to Feeder MTST-00-CS-FDR-M3	1964	800 TPH	FE
MTST-00-CS-FDR-M3	MS15	Feeder From Crusher #3 to Conveyors MTST-00-CS-CNV-E or MTST-00-CS-CNV-H2	1964	700 TPH	FE
MTST-00-CSS-FDR-G	MS15	Sample Feeder from MTST-00-CS-FDR-M3 to Sample Feeder MTST-00-CSS-FDR-G1	1985	<500,000 lbs/hr	FE
MTST-00-CSS-FDR-G1	MS15	Sample Feeder from MTST-00-CS-FDR-G to Sample Feeder MTST-00-CSS-FDR-G1	1985	<500,000 lbs/hr	FE
MTST-00-CSS-FDR-G1	MS15	Sample Feeder to Sample Crusher MTST-00-CSS-CRH-G	1985	<500,000 lbs/hr	FE
MTST-00-CSS-CRH-G	MS15	Sample Crusher to Automatic Sampler MTST-00-CSS-SM-G	1985	<500,000 lbs/hr	FE
MTST-00-CSS-SM-G	MS15	Automatic Sampler to Sample Cans or Conveyor MTST-00-CS-CNV-E	1985	<500,000 lbs/hr	FE

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity[1]	Control Device[2]
MTST-00-CS-CNV-E	MS16	Coal Conveyor to Stock Out Conveyor MTST-00-CS-CNV-F	1964	2100 TPH	FE
MTST-00-CS-CNV-F	MS17	Stock Out Conveyor to Coal Storage Pile	1964	2100 TPH	FE / WS
MTST-00-BLD-CSD-2	MS18	Coal Truck Dump	1964	700 TPH	N
MTST-00-CS-FDR-VBG1	MS18	Feeder From Truck Dump Hoppers to Conveyor MTST-00-CS-CNV-G	1985	175 TPH	UG
MTST-00-CS-FDR-VBG2	MS18	Feeder From Truck Dump Hoppers to Conveyor MTST-00-CS-CNV-G	1985	175 TPH	UG
MTST-00-CS-FDR-VBG3	MS18	Feeder From Truck Dump Hoppers to Conveyor MTST-00-CS-CNV-G	1985	175 TPH	UG
MTST-00-CS-FDR-VBG4	MS18	Feeder From Truck Dump Hoppers to Conveyor MTST-00-CS-CNV-G	1985	175 TPH	UG
MTST-00-CS-FDR-VBC1	MS19	Reclaim Feeder From Coal Pile to Conveyor MTST-00-CS-CNV-C1	1985	400 TPH	UG
MTST-00-CS-FDR-VBC2	MS19	Reclaim Feeder From Coal Pile to Conveyor MTST-00-CS-CNV-C1	1985	400 TPH	UG
MTST-00-CS-FDR-VBC3	MS19	Reclaim Feeder From Coal Pile to Conveyor MTST-00-CS-CNV-C1	1985	400 TPH	UG
MTST-00-CS-FDR-VBC4	MS19	Reclaim Feeder From Coal Pile to Conveyor MTST-00-CS-CNV-C1	1985	400 TPH	UG
MTST-00-CS-FDR-VBH1	MS20	Reclaim Feeder From Coal Pile to Conveyor MTST-00-CS-CNV-H1	1985	400 TPH	UG
MTST-00-CS-FDR-VBH2	MS20	Reclaim Feeder From Coal Pile to Conveyor MTST-00-CS-CNV-H1	1985	400 TPH	UG
MTST-00-CS-FDR-VBH3	MS20	Reclaim Feeder From Coal Pile to Conveyor MTST-00-CS-CNV-H1	1985	400 TPH	UG
MTST-00-BLD-	MS21	Mettiki Coal Truck Dump Enclosure (Transfer Point DP1)	1996	3,000,000 tpy (1200 TPH)	PE
MTST-00-CS-FDR-S1	MS21	Feeder From Truck to Conveyor MTST-00-CS-CNV-S1a (Transfer Point DP2)	1996	300 TPH	UG / FE
MTST-00-CS-FDR-S2	MS21	Feeder From Truck to Conveyor MTST-00-CS-CNV-S1a (Transfer Point DP2)	1996	300 TPH	UG / FE
MTST-00-CS-FDR-S3	MS21	Feeder From Truck to Conveyor MTST-00-CS-CNV-S1a (Transfer Point DP2)	1996	300 TPH	UG / FE
MTST-00-CS-FDR-S4	MS21	Feeder From Truck to Conveyor MTST-00-CS-CNV-S1a (Transfer Point DP2)	1996	300 TPH	UG / FE
MTST-00-CS-CNV-S1a	MS22	Conveyor Sla to Slb (Transfer Point T1)	1996	1200 TPH	UG / FE
MTST-00-CS-CNV-S1a	MS22 (T1)	Existing Truck Dump to existing Silo Feed (S-1a) to existing Conveyor S1-b or New Transfer Conveyor S-3a	1996	1200 TPH	UG / FE

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity[1]	Control Device[2]
MTST-00-CS-CNV-S1b	MS23	Conveyor Slb to Conveyor S2 (Transfer Point DP5)	1996	1200 TPH	FE
MTST-00-CS-CNV-S3a	MS24 (T2)	Transfer Conveyor S-3a to Radial Stacker S-5 or Transfer Conveyor S-4	2006	1200 TPH	PE
MTST-00-CS-CNV-S4	MS25 (T3)	Transfer Conveyor S-4 to Radial Stacker S-6	2006	1200 TPH	PE
MTST-00-CS-CNV-S5	MS26 (T4)	Radial Slacker S-5 to Open Pile (OP-1)	2006	1200 TPH	PE
OP-1	MS27	Fuel Storage Pile 1 from Radial Stacker S-5	2006	2,500,000 top (total for OP-1 and OP-2)	N
MTST-00-CS-CNV-S6	MS28	Radial Stacker S-6 to Open Pile (OP-2)	2006	1200 TPH	PE
OP-2	MS29	Fuel Storage Pile 2 from Radial Stacker S-6	2006	2,500,000 top (total for OP-1 and OP-2)	N
BD-T7	MS30 (T7)	Bulldozer to New Reclaim Hoppers	2006	1200 TPH	UG
MTST-00-CS-FDR-1	MS31 (T8)	New Reclaim Hoppers to New Reclaim Coal Conveyor T	2006	1000 TPH	UG
MTST-00-CS-FDR-2	MS31 (T8)	New Reclaim Hoppers to New Reclaim Coal Conveyor T	2006	1000 TPH	UG
MTST-00-CS-CNV-T	MS32 (T9)	New Reclaim Conveyor T to Existing P-1 Conveyor	2006	1200 TPH	UG/PE
MTST-00-CS-CNV-P2	MS33 (T10)	New Transfer on P-1 Conveyor to P-2 Conveyor	2006	1600 TPH	FE
C-SF-1	MS34 (T11)	Conveyor SF-1	2005	1600 TPH	FE
C-SF-2	MS35 (T12)	Conveyor SF-2	2005	1000 TPH	PE
MSTST-00-CS-CNV-R	MS36 (T13)	Conveyor MSTST-00-CS-CNV-R	2005	1600 TPH	PE
MTST-00-RC-SILO-SB1	MS77	S-Sorb Receiving Silo	2011	190 ton	Fabric Filter
MTST-00-RC-SILO-SB2	MS78	S-Sorb Active Silo	2011	150 ton	Fabric Filter
MTST-00-RC-CNV-SB3	Fugitive	S-Sorb Transfer Conveyor	2011	24 TPH	FE
MTST-00-RC-CHT-SB4	Fugitive	S-Sorb Transfer Chute	2011	24 TPH	FE
Limestone Handling Equipment					
MTST-00-BLD-LSUB-1	MS37	Limestone Truck Unloading Enclosure to Limestone Hoppers MTST-00-SAR-HPR-1A & 1B (2sa)	1994	N/A	PE / DC#3 (BH2ca)
MTST-00-SAR-HPR-1A	MS37	Limestone Hopper to Feeder MTST-FDR-1A	1994	300 Tons	FE / DC#3 (BH2ca)

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity[1]	Control Device[2]
MTST-00-SAR-HPR-1B	MS37	Limestone Hopper to Feeder MTST-FDR-1B	1994	300 Tons	FE / DC#3 (BH2ca)
MTST-00-SAR-FDR-1A	MS37	Limestone Unloading Feeder to Conveyor MTST-00-SAR-CNV-A	1994	600 TPH	FE / DC#3 (BH2ca)
MTST-00-SAR-FDR-1B	MS37	Limestone Unloading Feeder to Conveyor MTST-00-SAR-CNV-A	1994	600 TPH	FE / DC#3 (BH2ca)
MTST-00-SAR-CNV-A	MS38	Limestone Conveyor (4sa) from Unloading Feeders to Storage Dome and Sample System	1994	600 TPH	FE / DC#6 BH3cb
MTST-00-SAR-SM-1	MS39	Limestone Sampler to Feeder MSTS-00-SAR-FDR-1	1994	7 TPH	FE / DC#6 BH3cb
MTST-00-SAR-FDR-1	MS39	Limestone Sample System Primary Feeder to Sample Crusher (3sg) MTST-00-SAR-CRH-2	1994	7 TPH	FE / DC#6 BH3cb
MTST-00-SAR-CRH-2	MS39	Limestone Sample Crusher (3sg)	1994	7 TPH	FE / DC#6 BH3cb
MTST-00-SAR-FDR-2	MS39	Limestone Sample System Secondary Feeder to Secondary Sampler 00-SAR-SM-2 and Conveyor MTST-00-SAR-CNV-D	1994	7 TPH	FE / DC#6 BH3cb
MTST-00-SAR-SM-2	MS39	Secondary Sampler to Sample Collector MTST-00-SAR-COL-1	1994	7 TPH	FE / DC#6 BH3cb
MTST-00-SAR-CNV-D	MS39	Bucket Conveyor (3se) Back to Conveyor MTST-00-SAR-CNV-A	1994	7 TPH	FE / DC#6 BH3cb
MTST-00-BLD-LS-D	MS40	Limestone Storage Dome (5sa)	1997	10,000 Tons	FE
MTST-00-SAR-FDR-2A	MS40	Limestone Reclaim Feeder to Conveyor MTST-00-SAR-CNV-B	1994	400 TPH	UG / DC#4 BH6cc
MTST-00-SAR-FDR-2B	MS40	Limestone Reclaim Feeder to Conveyor MTST-00-SAR-CNV-B	1994	400 TPH	UG / DC#4 BH6cc
MTST-00-SAR-FDR-2C	MS40	Limestone Reclaim Feeder to Conveyor MTST-00-SAR-CNV-B	1994	400 TPH	UG / DC#4 BH6cc
MTST-00-SAR-CNV-B	MS41	Limestone Conveyor (6sd) from Reclaim Feeders to Limestone Crusher MTST-00-SAR-CRH-1	1994	400 TPH	FE / DC#4 BH6cc
MTST-00-SAR-CRH-1	MS42	Limestone Crusher (7sb)to Conveyor MTST-00-SAR-CNV-C	1994	400 TPH	FE / DC#5 (*BH7cc*)
MTST-00 SAR-CNV-C	MS43	Limestone Conveyor from Crusher #1 to Shuttle Conveyor MTST-00-SAR-CNV-1	1994	400 TPH	FE / DC#5 (*BH7cc*)
MTST-00-SAR-CNV-1	MS44	Limestone Shuttle Conveyor (7sd) to Silo's MTST-03-SAR-TK-1A and 1B and MTST-00-SAR-TK-1A	2001	400 TPH	FE / DC#7 (*BH8ce*)
MTST-03-SAR-TK-1A	MS45	Limestone Storage Silo (8sa) to Weigh Feeder MTST-03-SAP-FDR-1A	1994	500 Tons	FE / DC#7 (*BH8ce*)
MTST-03-SAR-TK-1B	MS45	Limestone Storage Silo (8sb) to Weigh Feeder MTST-03-SAP-FDR-1B	1994	500 Tons	FE / DC#7 (*BH8ce*)
MTST-00-SAR-TK-1A	MS45	Limestone Storage Silo (8sc) to Weigh Feeder MTST-00-SAP-FDR-1A	2001	500 Tons	FE / DC#7 (*BH8ce*)

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity[1]	Control Device[2]
MTST-00-SAR-TK-1B	MS45	Limestone Storage Silo (8sd) to Weigh Feeder MTST-00-SAP-FDR-1B	2001	500 Tons	FE / DC#7 (*BH8ce*)
MTST-03-SAP-FDR-1A	MS45	Limestone Weigh Feeder to Ball Mill MTST-03-SAP-CRH-1A	1994	18 TPH	FE / DC#7 (*BH8ce*)
MTST-03-SAP-FDR-1B	MS45	Limestone Weigh Feeder to Ball Mill MTST-03-SAP-CRH-1B	1994	18 TPH	FE / DC#7 (*BH8ce*)
MTST-00-SAP-FDR-1A	MS45	Limestone Weigh Feeder to Ball Mill MTST-00-SAP-CRH-1A	2001	17 TPH	FE / DC#7 (*BH8ce*)
MTST-00-SAP-FDR-1B	MS45	Limestone Weigh Feeder to Ball Mill MTST-00-SAP-CRH-1B	2001	17 TPH	FE / DC#7 (*BH8ce*)
Ash Handling Equipment					
MTST-01-ID-STK-1	MS46	Unit 1 Fly Ash Storage Silo to Mixers MTST-01-ADF-MC-1A and 1B	1963	88,000 ft^3	FE
MTST-01-ADF-MC-1A	MS47	Unit 1 Primary Fly Ash Mixer to Ash Haul Trucks	2003	400 TPH	PE
MTST-01-ADF-MC-1B	MS48	Unit 1 Secondary Fly Ash Mixer to Ash Haul Trucks	1975	300 TPH	PE
MTST-02-ID-STK-1	MS49	Unit 2 Fly Ash Storage Silo to Mixers MTST-02-ADF-MC-1A and 1B	1964	88,000 ft^3	FE
MTST-02-ADF-MC-1A	MS50	Unit 2 Primary Fly Ash Mixer to Ash Haul Trucks	2003	400 TPH	PE
MTST-02-ADF-MC-1B	MS51	Unit 2 Secondary Fly Ash Mixer to Ash Haul Trucks	1975	300 TPH	PE
MTST-03-ID-STK-1	MS52	Unit 3 Fly Ash Storage Silo to Mixers MTST-03-ADF-MC-1A and 1B	1972	125,000 ft^3	FE
MTST-03-ADF-MC-1A	MS53	Unit 3 Primary Fly Ash Mixer to Ash Haul Trucks	2003	400 TPH	PE
MTST-03-ADF-MC-1B	MS54	Unit 3 Secondary Fly Ash Mixer to Ash Haul Trucks	1972	400 TPH	PE
MTST-00-ADB-TK-3	MS55	Pyrite Storage Tank to Mixer MTST-00-ADB-MC-1	1982	1200 tons	FE
MTST-00-ADB-MC-1	MS56	Pyrite Mixer to Ash Haul Trucks	1994	200 TPH	MC
Scrubber By Product (FGD Gypsum)					
MTST-00-SWD-M-FL-1A	MS57	Vacuum Filter to De-watering Building MTST-00-BLD-DW-1	2001	27 TPH	FE
MTST-00-SWD-M-FL-1B	MS57	Vacuum Filter to De-watering Building MTST-00-BLD-DW-1	2001	27 TPH	FE
MTST-03-SWD-M-FL-1A	MS58	Vacuum Filter to De-watering Building MTST-00-BLD-DW-1	1994	27 TPH	FE
MTST-03-SWD-M-FL-1B	MS58	Vacuum Filter to De-watering Building MTST-00-BLD-DW-1	1994	27 TPH	FE

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity[1]	Control Device[2]
Miscellaneous Other					
MTST-00-FP-ENG-1	MS59	Diesel Fire Pump	1981	188 bhp	N
MTST-00-FP-ENG-3	MS60	Diesel Fire Pump	1994	335.5 bhp	N
MTST-00-LO-TK-3	MS61	Clean Oil Tank (Turbine Lube Oil)	1964	16,000 Gal.	N
MTST-00-LO-TK-4	MS62	Dirty Oil Tank (Turbine Lube Oil)	1964	16,000 Gal.	N
MTST-00-FO-TK-4	MS63	Jet Fuel Oil Tank for Combustion Turbine	1992	105,000 Gal.	N
MTST-00-FO-TK-1	MS64	Fuel Oil Tank for Locomotive	1964	25,000 Gal.	N
MTST-00-FO-TK-6G	MS65	Gasoline Tank-Unleaded	1995	5000 Gal.	FE
MTST-00-IO-TK-1A	MS66	Fuel Oil Tank 1A (#2 fuel oil)	1964	504,501 Gal.	N
MTST-00-IO-TK-1B	MS67	Fuel Oil Tank 1B (#2 fuel oil)	1973	1,541,526 Gal.	N
1-CC-E-1A, 1-CC-E-1B, 1-CC-E-1C	MS68	Cooling Tower (3 stacks)	1964	NA	ME
2-CC-E-1A, 2-CC-E-1B, 2-CC-E-1C	MS69	Cooling Tower (3 stacks)	1964	NA	ME
3-CC-E-1A, 3-CC-E-1B	MS70	Cooling Tower (2 stacks)	1973	NA	ME
MTST-03-OAS-TK-1C	MS71	Acid Tank – Organic for Scrubber	1993	43,183 Gal.	N
MTST-00-BLD-LTB-1	MS72	Lime Silo for Water Treatment Settling Pond	1973	4000 cu. ft.	BH
MTST-00-AMS-TK-1	MS73	Anhydrous Ammonia Tank	2001	45,000 Gal.	Deluge systems are used to suppress inadvertent NH3 releases.
MTST-00-AMS-TK-2	MS74	Anhydrous Ammonia Tank	2001	45,000 Gal	
MTST-00-AMS-TK-3	MS75	Anhydrous Ammonia Tank	2001	45,000 Gal	
PTK-1	MS76	Polino Diesel Fuel Tank	2002	12,000 Gal	FE
Roads					
RD-1	Fugitive	Asphalt Plant Entrance Road	1964	2216 Feet	P, PWT
RD-2	Fugitive	Concrete Coal Entrance Road	1964	1470 Feet	P, PWT

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity[1]	Control Device[2]
RD-3	Fugitive	Asphalt Limestone Haul Road	1994	6277 Feet	P, PWT
RD-4	Fugitive	Asphalt Mettiki Coal Entrance Road	1996	4932 Feet	P, PWT
RD-5	Fugitive	Asphalt Ash Haul Road	1994	6864 Feet	P, PWT
RD-6	Fugitive	Asphalt Plant Roads	1964 to 2004	10224 Feet	P, PWT
RD-7	Fugitive	Gravel Plant Roads	1964 / 1972	3518 Feet	PWT
RD-8	Fugitive	Gravel Ash Haul Road To Phase A	1994	3168 Feet	PWT
RD-9	Fugitive	Gravel Ash Haul Road To Phase B Entrance	1986	4224 Feet	PWT
RD-10	Fugitive	Bottom Ash Internal Phase B Haul Road	1995 to 2005	2112 Feet	PWT
RD-11	Fugitive	Gravel Old Ash Haul Road	1979	3325 Feet	PWT
AD-1	Fugitive	Unloading of Ash Haul Trucks	1989	60 tons/truck	MC
FGD-1	Fugitive	Unloading of FGD Byproduct Haul Trucks	1994	35 tons/truck	MC

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
R13-656	June 4, 1982
~~R13-1438~~	~~February 20, 1992~~
R13-1660D	May 13, 2003
R13-1661/R14-10	August 12, 1994
R13-2034D~~C~~	December 3, 2010 ~~August 4, 2008~~
R13-2735	December 13, 2007

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 (45CSR§30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

2.1.4. Unless otherwise specified in a permit condition or underlying rule or regulation, all references to a "rolling yearly total" shall mean the sum of the monthly data, values or parameters being measured, monitored, or recorded, at any given time for the previous twelve (12) consecutive calendar months.

2.2. Acronyms

CAAA	Clean Air Act Amendments
CBI	Confidential Business Information
CEM	Continuous Emission Monitor
CES	Certified Emission Statement
C.F.R. *or* CFR	Code of Federal Regulations
CO	Carbon Monoxide
C.S.R. *or* CSR	Codes of State Rules
DAQ	Division of Air Quality
DEP	Department of Environmental Protection
FOIA	Freedom of Information Act
HAP	Hazardous Air Pollutant
HON	Hazardous Organic NESHAP
HP	Horsepower
lbs/hr *or* lb/hr	Pounds per Hour
LDAR	Leak Detection and Repair
m	Thousand
MACT	Maximum Achievable Control Technology
mm	Million
mmBtu/hr	Million British Thermal Units per Hour
mmft^3/hr *or* mmcf/hr	Million Cubic Feet Burned per Hour
NA *or* N/A	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
PM_{10}	Particulate Matter less than 10µm in diameter
pph	Pounds per Hour
ppm	Parts per Million
PSD	Prevention of Significant Deterioration
psi	Pounds per Square Inch
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO_2	Sulfur Dioxide
TAP	Toxic Air Pollutant
TPY	Tons per Year
TRS	Total Reduced Sulfur
TSP	Total Suspended Particulate
USEPA	United States Environmental Protection Agency
UTM	Universal Transverse Mercator
VEE	Visual Emissions Evaluation
VOC	Volatile Organic Compounds

2.3. Permit Expiration and Renewal

2.3.1. Permit duration. This permit is issued for a fixed term of five (5) years and shall expire on the date specified on the cover of this permit, except as provided in 45CSR§30-6.3.b. and 45CSR§30-6.3.c.
[45CSR§30-5.1.b.]

2.3.2. A permit renewal application is timely if it is submitted at least six (6) months prior to the date of permit expiration.
[45CSR§30-4.1.a.3.]

2.3.3. Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with 45CSR§30-6.2. and 45CSR§30-4.1.a.3.
[45CSR§30-6.3.b.]

2.3.4. If the Secretary fails to take final action to deny or approve a timely and complete permit application before the end of the term of the previous permit, the permit shall not expire until the renewal permit has been issued or denied, and any permit shield granted for the permit shall continue in effect during that time.
[45CSR§30-6.3.c.]

2.4. Permit Actions

2.4.1. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
[45CSR§30-5.1.f.3.]

2.5. Reopening for Cause

2.5.1. This permit shall be reopened and revised under any of the following circumstances:

a. Additional applicable requirements under the Clean Air Act or the Secretary's legislative rules become applicable to a major source with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 45CSR§§30-6.6.a.1.A. or B.

b. Additional requirements (including excess emissions requirements) become applicable to an affected source under Title IV of the Clean Air Act (Acid Deposition Control) or other legislative rules of the Secretary. Upon approval by U.S. EPA, excess emissions offset plans shall be incorporated into the permit.

c. The Secretary or U.S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

d. The Secretary or U.S. EPA determines that the permit must be revised or revoked and reissued to assure compliance with the applicable requirements.

[45CSR§30-6.6.a.]

2.6. Administrative Permit Amendments

2.6.1. The permittee may request an administrative permit amendment as defined in and according to the procedures specified in 45CSR§30-6.4.
[45CSR§30-6.4.]

2.7. Minor Permit Modifications

2.7.1. The permittee may request a minor permit modification as defined in and according to the procedures specified in 45CSR§30-6.5.a.
[45CSR§30-6.5.a.]

2.8. Significant Permit Modification

2.8.1. The permittee may request a significant permit modification, in accordance with 45CSR§30-6.5.b., for permit modifications that do not qualify for minor permit modifications or as administrative amendments.
[45CSR§30-6.5.b.]

2.9. Emissions Trading

2.9.1. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit and that are in accordance with all applicable requirements.
[45CSR§30-5.1.h.]

2.10. Off-Permit Changes

2.10.1. Except as provided below, a facility may make any change in its operations or emissions that is not addressed nor prohibited in its permit and which is not considered to be construction nor modification under any rule promulgated by the Secretary without obtaining an amendment or modification of its permit. Such changes shall be subject to the following requirements and restrictions:

a. The change must meet all applicable requirements and may not violate any existing permit term or condition.

b. The permittee must provide a written notice of the change to the Secretary and to U.S. EPA within two (2) business days following the date of the change. Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.

c. The change shall not qualify for the permit shield.

d. The permittee shall keep records describing all changes made at the source that result in emissions of regulated air pollutants, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e. No permittee may make any change subject to any requirement under Title IV of the Clean Air Act (Acid Deposition Control) pursuant to the provisions of 45CSR§30-5.9.

f. No permittee may make any changes which would require preconstruction review under any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) pursuant to the provisions of 45CSR§30-5.9.

[45CSR§30-5.9.]

2.11. Operational Flexibility

2.11.1. The permittee may make changes within the facility as provided by § 502(b)(10) of the Clean Air Act. Such operational flexibility shall be provided in the permit in conformance with the permit application and applicable requirements. No such changes shall be a modification under any rule or any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) promulgated by the Secretary in accordance with Title I of the Clean Air Act and the change shall not result in a level of emissions exceeding the emissions allowable under the permit.
[45CSR§30-5.8]

2.11.2. Before making a change under 45CSR§30-5.8., the permittee shall provide advance written notice to the Secretary and to U.S. EPA, describing the change to be made, the date on which the change will occur, any changes in emissions, and any permit terms and conditions that are affected. The permittee shall thereafter maintain a copy of the notice with the permit, and the Secretary shall place a copy with the permit in the public file. The written notice shall be provided to the Secretary and U.S. EPA at least seven (7) days prior to the date that the change is to be made, except that this period may be shortened or eliminated as necessary for a change that must be implemented more quickly to address unanticipated conditions posing a significant health, safety, or environmental hazard. If less than seven (7) days notice is provided because of a need to respond more quickly to such unanticipated conditions, the permittee shall provide notice to the Secretary and U.S. EPA as soon as possible after learning of the need to make the change.
[45CSR§30-5.8.a.]

2.11.3. The permit shield shall not apply to changes made under 45CSR§30-5.8., except those provided for in 45CSR§30-5.8.d. However, the protection of the permit shield will continue to apply to operations and emissions that are not affected by the change, provided that the permittee complies with the terms and conditions of the permit applicable to such operations and emissions. The permit shield may be reinstated for emissions and operations affected by the change:

a. If subsequent changes cause the facility's operations and emissions to revert to those authorized in the permit and the permittee resumes compliance with the terms and conditions of the permit, or

b. If the permittee obtains final approval of a significant modification to the permit to incorporate the change in the permit.

[45CSR§30-5.8.c.]

2.11.4. "Section 502(b)(10) changes" are changes that contravene an express permit term. Such changes do not include changes that would violate applicable requirements or contravene enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.
[45CSR§30-2.39]

2.12. Reasonably Anticipated Operating Scenarios

2.12.1. The following are terms and conditions for reasonably anticipated operating scenarios identified in this permit.

a. Contemporaneously with making a change from one operating scenario to another, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating and to document the change in reports submitted pursuant to the terms of this permit and 45CSR30.

b. The permit shield shall extend to all terms and conditions under each such operating scenario; and

c. The terms and conditions of each such alternative scenario shall meet all applicable requirements and the requirements of 45CSR30.

[45CSR§30-5.1.i.]

2.13. Duty to Comply

2.13.1. 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; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
[45CSR§30-5.1.f.1.]

2.14. Inspection and Entry

2.14.1. 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.

[45CSR§30-5.3.b.]

2.15. Schedule of Compliance

2.15.1. For sources subject to a compliance schedule, certified progress reports shall be submitted consistent with the applicable schedule of compliance set forth in this permit and 45CSR§30-4.3.h., but at least every six (6) months, and no greater than once a month, and shall include the following:

a. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

b. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measure adopted.

[45CSR§30-5.3.d.]

2.16. Need to Halt or Reduce Activity not a Defense

2.16.1. It shall not be a defense for a permittee in an enforcement action that it would 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.
[45CSR§30-5.1.f.2.]

2.17. Emergency

2.17.1. An "emergency" means any situation arising from sudden and reasonably 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.
[45CSR§30-5.7.a.]

2.17.2. 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 45CSR§30-5.7.c. are met.
[45CSR§30-5.7.b.]

2.17.3. 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. Subject to the requirements of 45CSR§30-5.1.c.3.C.1, 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, report, and variance request fulfills the requirement of 45CSR§30-5.1.c.3.B. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

[45CSR§30-5.7.c.]

2.17.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
[45CSR§30-5.7.d.]

2.17.5. This provision is in addition to any emergency or upset provision contained in any applicable requirement.
[45CSR§30-5.7.e.]

2.18. Federally-Enforceable Requirements

2.18.1. All terms and conditions in this permit, including any provisions designed to limit a source's potential to emit and excepting those provisions that are specifically designated in the permit as "State-enforceable only", are enforceable by the Secretary, USEPA, and citizens under the Clean Air Act.
[45CSR§30-5.2.a.]

2.18.2. Those provisions specifically designated in the permit as "State-enforceable only" shall become "Federally-enforceable" requirements upon SIP approval by the USEPA.

2.19. Duty to Provide Information

2.19.1. 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 modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records required 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.
[45CSR§30-5.1.f.5.]

2.20. Duty to Supplement and Correct Information

2.20.1. 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.
[45CSR§30-4.2.]

2.21. Permit Shield

2.21.1. Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance provided that such applicable requirements are included and are specifically identified in this permit or the Secretary has determined that other requirements specifically identified are not applicable to the source and this permit includes such a determination or a concise summary thereof.
[45CSR§30-5.6.a.]

2.21.2. Nothing in this permit shall alter or affect the following:

a. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance; or

b. The applicable requirements of the Code of West Virginia and Title IV of the Clean Air Act (Acid Deposition Control), consistent with § 408 (a) of the Clean Air Act.

c. The authority of the Administrator of U.S. EPA to require information under § 114 of the Clean Air Act or to issue emergency orders under § 303 of the Clean Air Act.

[45CSR§30-5.6.c.]

2.22. Credible Evidence

2.22.1. 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 defenses otherwise available to the permittee including but not limited to any challenge to the credible evidence rule in the context of any future proceeding.
[45CSR§30-5.3.e.3.B. and 45CSR38]

2.23. Severability

2.23.1. The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid by a court of competent jurisdiction, the remaining permit terms and conditions or their application to other circumstances shall remain in full force and effect.
[45CSR§30-5.1.e.]

2.24. Property Rights

2.24.1. This permit does not convey any property rights of any sort or any exclusive privilege.
[45CSR§30-5.1.f.4]

2.25. Acid Deposition Control

2.25.1. Emissions shall not exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act (Acid Deposition Control) or rules of the Secretary promulgated thereunder.

a. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid deposition control program, provided that such increases do not require a permit revision under any other applicable requirement.

b. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement.

c. Any such allowance shall be accounted for according to the procedures established in rules promulgated under Title IV of the Clean Air Act.

[45CSR§30-5.1.d.]

2.25.2. Where applicable requirements of the Clean Air Act are more stringent than any applicable requirement of regulations promulgated under Title IV of the Clean Air Act (Acid Deposition Control), both provisions shall be incorporated into the permit and shall be enforceable by the Secretary and U. S. EPA.
[45CSR§30-5.1.a.2.]

3.0 Facility-Wide Requirements

3.1. Limitations and Standards

3.1.1. **Open burning.** The open burning of refuse by any person 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 or allow 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.
[40 C.F.R. §61.145(b) and 45CSR34]

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. **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 45CSR11.
[45CSR§11-5.2]

3.1.6. **Emission inventory.** The permittee is responsible for submitting, on an annual basis, an emission inventory in accordance with the submittal requirements of the Division of Air Quality.
[W.Va. Code § 22-5-4(a)(14)]

3.1.7. **Ozone-depleting substances.** For those facilities performing maintenance, service, repair or disposal of appliances, the permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 C.F.R. Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the prohibitions and required practices pursuant to 40 C.F.R. §§ 82.154 and 82.156.

b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 C.F.R. § 82.158.

c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 C.F.R. § 82.161.

[40 C.F.R. 82, Subpart F]

3.1.8. **Risk Management Plan.** This stationary source, as defined in 40 C.F.R. § 68.3, is subject to Part 68. This stationary source shall submit a risk management plan (RMP) by the date specified in 40 C.F.R. Part 68.10. This stationary source shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 C.F.R. Part 70 or 71.
[40 C.F.R. 68]

3.1.9. **CAIR NO_x Annual Trading Program.** The permittee shall comply with the standard requirements set forth in the attached CAIR Permit Application (see Appendix A) and the CAIR permit requirements set forth in 45CSR39 for each CAIR NO_x Annual source. The complete CAIR Permit Application shall be the CAIR Permit portion of the Title V permit administered in accordance with 45CSR30.
[45CSR§§39-6.1.b. and 20.1.]

a. The CAIR Permit portion of this permit is deemed to incorporate automatically the definitions of terms under 45CSR§39-2 and, upon recordation by the Administrator under sections 51 through 57, or 60 through 62 of 45CSR39, every allocation, transfer, or deduction of a CAIR NO_x Annual allowance to or from the compliance account of the CAIR NO_x Annual source covered by the permit.
[45CSR§39-23.2.]

b. Except as provided in 45CSR§39-23.2, the Secretary will revise the CAIR Permit portion of this permit, as necessary, in accordance with the operating permit revision requirements set forth in 45CSR30.
[45CSR§39-24.1.]

3.1.10. **CAIR NO_x Ozone Season Trading Program.** The permittee shall comply with the standard requirements set forth in the attached CAIR Permit Application (see Appendix A) and the CAIR permit requirements set forth in 45CSR40 for each CAIR NO_x Ozone Season source. The complete CAIR Permit Application shall be the CAIR Permit portion of the Title V permit administered in accordance with 45CSR30.
[45CSR§§40-6.1.b. and 20.1.]

a. The CAIR Permit portion of this permit is deemed to incorporate automatically the definitions of terms under 45CSR§40-2 and, upon recordation by the Administrator under sections 51 through 57, or 60 through 62 of 45CSR40, every allocation, transfer, or deduction of a CAIR NO_x Ozone Season allowance to or from the compliance account of the CAIR NO_x Ozone Season source covered by the permit.
[45CSR§40-23.2.]

b. Except as provided in 45CSR§40-23.2, the Secretary will revise the CAIR Permit portion of this permit, as necessary, in accordance with the operating permit revision requirements set forth in 45CSR30.
[45CSR§40-24.1.]

3.1.11. **CAIR SO_2Trading Program.** The permittee shall comply with the standard requirements set forth in the attached CAIR Permit Application (see Appendix A) and the CAIR permit requirements set forth in 45CSR41 for each CAIR SO_2 source. The complete CAIR Permit Application shall be the CAIR Permit portion of the Title V permit administered in accordance with 45CSR30.
[45CSR§§41-6.1.b. and 20.1.]

a. The CAIR Permit portion of this permit is deemed to incorporate automatically the definitions of terms

under 45CSR§41-2 and, upon recordation by the Administrator under sections 51 through 57, or 60 through 62 of 45CSR41, every allocation, transfer, or deduction of a CAIR SO_2 allowance to or from the compliance account of the CAIR SO_2 source covered by the permit.
[45CSR§41-23.2.]

b. Except as provided in 45CSR§41-23.2, the Secretary will revise the CAIR Permit portion of this permit, as necessary, in accordance with the operating permit revision requirements set forth in 45CSR30.
[45CSR§41-24.1.]

~~3.1.12.~~ [*Reserved*] ~~When emissions on an annual basis of one or more of the greenhouse gases listed below are greater than the *de minimis* amounts listed below, all greenhouse gases emitted above the *de minimis* amounts shall be reported to the Secretary under 45CSR§42-4. (See condition 3.5.):~~

~~Greenhouse Gas Compound~~	~~tons/year~~
~~carbon dioxide~~	~~10,000~~
~~methane~~	~~476~~
~~nitrous oxide~~	~~32.6~~
~~hydrofluorocarbons~~	~~0.855~~
~~perfluorocarbons~~	~~1.09~~
~~sulfur hexafluoride~~	~~0.42~~

~~**[45CSR§42-3.1., State Enforceable only.]**~~

3.1.13. **Fugitive Particulate Matter Control.** No person shall cause, suffer, allow, or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter. Sources of fugitive particulate matter associated with fuel burning units shall include, but not be limited to, the following:

a. Stockpiling of ash or fuel either in the open or in enclosures such as silos;

b. Transport of ash in vehicles or on conveying systems, to include spillage, tracking, or blowing of particulate matter from or by such vehicles or equipment; and

c. Ash or fuel handling systems and ash disposal areas.

[45CSR§2-5., 45CSR13, R13-2593 §4.1.6.]

3.2. Monitoring Requirements

3.2.1. [*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, if applicable, in accordance with the Secretary's delegated authority and any established equivalency determination methods which are 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.

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.

d. The permittee shall submit a report of the results of the stack test within 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 compliance 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.

3. A statement of compliance or non-compliance with each permit or rule condition.

[WV Code § 22-5-4(a)(14-15), 45CSR2, 45CSR10, 45CSR13 and 45CSR14]

3.4. Recordkeeping Requirements

3.4.1. **Monitoring information.** 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.

[45CSR§30-5.1.c.2.A., 45CSR13 - Permit No. R13-2735 §4.4.1., Permit No. R13-2034 §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.]

3.4.4. The permittee shall maintain records indicating the use of any dust suppressants or any other suitable dust control measures applied at the facility. The permittee shall also inspect all fugitive dust control systems at least once a month 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 and shall state any maintenance or corrective actions taken as a result of the monthly inspections, the times the fugitive dust control system(s) were inoperable and any corrective actions taken.
[45CSR§30-5.1.c.]

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 certification to the USEPA as required in 3.5.5 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, mailed first class or by private carrier 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

Phone: 304/926-0475
FAX: 304/926-0478

If to the US EPA:

Associate Director
Office of Air Enforcement and Compliance Assistance ~~Permits Review~~ (3AP20 ~~12~~)
U. S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

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 annual certification to the USEPA shall be submitted in electronic format only. It shall be submitted by e-mail to the following address: R3_APD_Permits@epa.gov. The permittee shall maintain a copy of the certification on site for five (5) years from submittal of the certification.
[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.
[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 probable cause of such deviations, and any corrective actions or preventative measures taken, shall be submitted and certified by a responsible official within ten (10) days of the deviation.

2. Any deviation that poses an imminent and substantial danger to public health, safety, or the environment shall be reported to the Secretary immediately by telephone or telefax. A written report of such deviation, which shall include the probable cause of such deviation, and any corrective actions or preventative measures taken, shall be submitted by the responsible official within ten (10) days of the deviation.

3. Deviations for which more frequent reporting is required under this permit shall be reported on the more frequent basis.

4. All reports of deviations shall identify the probable cause of the deviation and any corrective actions or preventative measures taken.

[45CSR§30-5.1.c.3.C.]

b. The permittee shall, in the reporting of deviations from permit requirements, including those attributable to upset conditions as defined in this permit, report the probable cause of such deviations and any corrective actions or preventive measures taken in accordance with any rules of the Secretary.
[45CSR§30-5.1.c.3.B.]

3.5.9. **New applicable requirements.** If any applicable requirement is promulgated during the term of this permit, the permittee will meet such requirements on a timely basis, or in accordance with a more detailed schedule if required by the applicable requirement.
[45CSR§30-4.3.h.1.B.]

3.5.10. [*Reserved*] ~~**Greenhouse Gas Reporting Requirements**. When applicable, as determined in permit condition 3.1., greenhouse gas emissions shall be reported pursuant to 45CSR§42-4. as follows:~~

~~a. In accordance with a reporting cycle provided by the Secretary, affected sources shall report to the Secretary the quantity of all greenhouse gases emitted above *de minimis* amounts in the years specified by the Secretary.~~
~~**[45CSR§42-4.1., State Enforceable only.]**~~

~~b. Affected sources shall only be required to report annual quantities of anthropogenic non-mobile source greenhouse gases emitted at the stationary source, and shall not be required to report biogenic emissions of greenhouse gases.~~
~~**[45CSR§42-4.2., State Enforceable only.]**~~

~~c. Reports of greenhouse gas emissions submitted to the Secretary under 45CSR§42-4. shall be signed by a responsible official and shall include the following certification statement: "I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry."~~
~~**[45CSR§42-4.5., State Enforceable only.]**~~

3.6. Compliance Plan

3.6.1. [*Reserved*]

3.7. Permit Shield

3.7.1. The permittee is hereby granted a permit shield in accordance with 45CSR§30-5.6. The permit shield applies provided the permittee operates in accordance with the information contained within this permit.

3.7.2. The following requirements specifically identified are not applicable to the source based on the determinations set forth below. The permit shield shall apply to the following requirements provided the conditions of the determinations are met.

40 CFR 60 Subpart D ~~40 CFR 60 Subpart Da~~	The Steam Generators potentially subject to this ~~these~~ rule~~s~~ commenced construction prior to August 17, 1971
40 CFR 60 Subpart Db	The Steam Generator potentially subject to this rule commenced construction prior to June 19, 1984
40 CFR 60 Subpart Dc	This facility does not have Steam Generators less than 100 mmBtu/hr heat input but greater than 10 mmBtu/hr heat input.
40 CFR 60 Subpart K	The facility does not include storage vessels that are used to store petroleum liquids (as defined in 40 CFR 60.111(b)) which construction, reconstruction, or modification commenced after June 11, 1973 and prior to May 19, 1978.
40 CFR 60 Subpart Ka	The facility does not include storage vessels that are used to store petroleum liquids (as defined in 40 CFR 60.111a(b)) which construction, reconstruction, or modification commenced after May 18, 1978 and prior to July 23, 1984.
40 CFR 60 Subpart Kb	Storage vessels potentially affected by this subpart have a storage capacity of less than 75 cubic meters and therefore are not subject to this subpart.
40 CFR 60 Subpart GG	The Combustion Turbine potentially subject to this rule commenced construction prior to October 3, 1977 and combusts Jet Fuel Oil.
40 CFR 64	The existing Title V permit contains monitoring that meets the definition of "continuous compliance demonstration method Therefore in accordance with 40 CFR §64.2(b)(vi), this facility is exempt from the requirements of 40 CFR Part 64.
40 CFR 82 Subpart B	The facility does not conduct motor vehicle maintenance involving CFCs on site.

4.0 Source-Specific Requirements [Boilers, (*Emission Point MS1/2e, MS3e, MS4e)*]

4.0.1. Thermal Decomposition Of Boiler Cleaning Solutions

The thermal decomposition of boiler cleaning solutions is permitted in accordance with the WVDAQ letter signed by Jesse D. Adkins and subject to DAQ notification requirements as outlined in the document titled "Dominion Generation Mt. Storm Power Station Boiler Chemical Cleaning Process Evaporation Notification Procedure." Dominion is required to store the spent cleaning solution in temporary (frac) tanks, test samples of the spent solution to verify the solution is non-hazardous, and notify the DAQ at least one (1) day prior to commencement of the thermal decomposition. Records pertaining to the thermal decomposition of boiler cleaning solutions shall be kept on site for a period of no less than five (5) years and shall be made available, in a suitable form for inspection, to the Secretary upon request.
[WVDAQ Letter signed by Jesse D. Adkins - State-Enforceable only]

4.1. Limitations and Standards

4.1.1. Any fuel burning unit(s) including associated air pollution control equipment, shall at all times, including periods of start-up, shutdowns, and malfunctions, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions.
[45CSR§2-9.2.]

4.1.2. The addition of sulfur oxides to a combustion unit exit gas stream for the purpose of improving emissions control equipment is prohibited unless written approval for such addition is provided by the Secretary.
[45CSR§2-4.4.]

Unit 1, Unit 2 and Unit 3 Boilers (MTST-01-BLR-STG-1, MTST-02-BLR-STG-1, MTST-03-BLR-STG-1)

Visible Emissions and Particulate Matter

4.1.3. Visible Emissions from each Unit 1 & 2 stack (*MS1/2e*) and Unit 3 stack (*MS3e*) shall not exceed ten (10) percent opacity based on a six minute block average
[45CSR§2-3.1.]

4.1.4. The visible emission standards shall apply at all times except in periods of start-ups, shutdowns and malfunctions.
[45CSR§2-9.1.]

4.1.5. The combined total particulate matter emissions from Unit 1 & 2 stack (*MS1/2e*) and Unit 3 stack (*MS3e*) shall not exceed 866.85 lb/hr. The averaging time shall be six (6) hours.
[45CSR§2-4.1.a., 45CSR2-Appendix §§ 4.1.b. & 4.1.c.]

4.1.6. The emission rate of filterable PM_{10} from Unit 1 and Unit 2, as emitted from Emission Point MS1/2e, shall not exceed 0.03 lb/mmBtu on a 6-hour average.
[45CSR13 - Permit No. R13-2735 §4.1.1.]

4.1.7. The aggregate emission rate of filterable PM_{10} from Unit 3, as emitted from Emission Point MS3e, shall not exceed 0.03 lb/mmBtu on a 6-hour average.
[45CSR13 - Permit No. R13-2735 §4.1.2.]

4.1.8. Unit 1, Unit 2 and Unit 3 shall utilize, at all reasonable times, dry electrostatic precipitation (ESP), and wet Flue-Gas Desulfurization (FGD) to achieve a minimum PM_{10} control of 99.50% (on a 6-hour average).
[45CSR13 - Permit No. R13-2735 §4.1.3.]

4.1.9. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, maintain and operate all pollution control equipment listed in Section 1.0 of R3-2735 (i.e., Units 1, 2, and 3 ESPs and FGDs) 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.
[45CSR13 - Permit No. R13-2735 §4.1.4.; 45CSR§13-5.11]

Sulfur Dioxide (SO_2)

4.1.10. The combined total sulfur dioxide emissions from Unit 1 & 2 stack (*MS1/2e*) and Unit 3 stack (*MS3e*) shall not exceed 46,931.4 lb/hr.
[45CSR§§10-3.1. & 3.1.d.]

4.1.11. Compliance with the allowable sulfur dioxide emission limitations from Unit 1 & 2 and Unit 3 boilers shall be based on a continuous twenty-four (24) hour averaging time. Emissions shall not be allowed to exceed the weight emissions standards for sulfur dioxide as set forth in 45CSR10 (*permit condition 4.1.10. above*), except during one (1) continuous twenty-four (24) hour period in each calendar month. During this one (1) continuous twenty-four hour period, emissions shall not be allowed to exceed such weight emission standards by more than ten percent (10%) without causing a violation of 45CSR10. A continuous twenty-four (24) hour period is defined as one (1) calendar day.
[45CSR§10-3.8.]

4.1.12. The carbon monoxide emission rates from Units 1 & 2 stack (*MS1/2e*) shall not exceed 1733.7 lb/hr or 0.15 lb/mmBtu (based on a one hour average).
[45CSR13/14 - Permit No. R13-1661/R14-10-§(A)]

4.1.13. The carbon monoxide emission rates from Units 3 stack (MS3e) shall not exceed 873.6 lb/hr or 0.15 lb/mmBtu (based on a one hour average).
[45CSR13/14 - Permit No. R13-1661/R14-10-§(A)]

Auxiliary Boiler (*MTST-00-AB-STG-1*)

Visible Emissions and Particulate Matter

4.1.14. Visible Emissions from the auxiliary boiler stack (*MS4e*) shall not exceed ten (10) percent opacity based on a six minute block average.
[45CSR§2-3.1.]

4.1.15. The visible emission standards shall apply at all times except in periods of start-ups, shutdowns and malfunctions.
[45CSR§2-9.1.]

4.1.16. Particulate matter emissions from the auxiliary boiler stack (*MS4e*) shall not exceed 13.5 lb/hr. The averaging time shall be six (6) hours.
[45CSR§2-4.1.b., 45CSR2-Appendix §§ 4.1.b. & 4.1.c.]

Sulfur Dioxide (SO_2)

4.1.17. Sulfur dioxide emissions from the auxiliary boiler stack (*MS4e*) shall not exceed 405 lb/hr.
[45CSR§§10-3.1. & 3.1.e.]

4.1.18. Compliance with the allowable sulfur dioxide emission limitations from the auxiliary boiler shall be based on a continuous twenty-four (24) hour averaging time. Emissions shall not be allowed to exceed the weight emissions standards for sulfur dioxide as set forth in 45CSR10 (*permit condition 4.1.17. above*), except during one (1) continuous twenty-four (24) hour period in each calendar month. During this one (1) continuous twenty-four hour period, emissions shall not be allowed to exceed such weight emission standards by more than ten percent (10%) without causing a violation of 45CSR10. A continuous twenty-four (24) hour period is defined as one (1) calendar day.
[45CSR§10-3.8.]

4.1.19. The auxiliary boiler fuel use must not exceed 1,543,520 gallons per year.
[45CSR13 - Permit No. R13-656]

4.1.20. The maximum percent sulfur in fuel oil shall not exceed 0.3.
[45CSR13 - Permit No. R13-656 Application Affected Source Sheet §2.B.(3)]

4.1.21. **Electric Utility Steam Generating Utilities NSPS.** Except where this permit is more restrictive than the applicable requirement, the permittee shall comply with the applicable requirements of 40 CFR Part 60, Subpart Da for Unit 2. See Section 7.0.
[40 CFR §60.40Da(a)(2) and 45CSR16]

4.1.22. **Industrial, Commercial, and Institutional Boilers and Process Heaters MACT**

a. The oil fired auxiliary boiler [*MTST-00-AB-STG-1*], shall comply with all applicable requirements for existing affected sources pursuant to 40 C.F.R. 63, Subpart DDDDD, "National Emission Standards for Hazardous Air Pollutants for Industrial/Commercial/Institutional Boilers and Process Heaters no later than the existing source effective date. The permittee is required to submit an Initial Notification no later than 120 calendar days after becoming subject to the rule in accordance with 40 C.F.R. §63.7545(b).
These dates may be subject to change if the permittee is granted an extension pursuant to the provisions of 40 C.F.R. 63, the compliance date is amended by USEPA, or if §112(j) of the 1990 Clean Air Act Amendments becomes applicable.
[40CFR63, Subpart DDDDD, 45CSR34]

b. If required to submit a Notification of Compliance Status (NOCS) pursuant to 40 C.F.R. 63, Subpart DDDDD, the permittee shall also submit a complete application for significant modification to the Title V permit to incorporate the specific requirements of the rule no later than the maximum time allowed for the NOCS submittal in 40 C.F.R. §63.7545(e).

If requested, this Title V permitting deadline may be changed upon written approval by the Director. The permittee shall request the change in writing at least 30 days prior to the application due date.
[45CSR§30-6.5.b.]

VEPCO Consent Decree

4.1.23. The Consent Decree entered by the United States District Court for the Eastern District of Virginia, Civil Action Nos. 03-CV-517-A and 03-CV-603-A, on October 10, 2003 between Virginia Electric and Power Company (VEPCO) and the United States of America, et al.(the "Consent Decree"), as such Consent Decree might be amended or modified from time to time in accordance with its terms, is incorporated in its entirety into this permit by reference and is attached as Appendix D to this permit. The permittee's obligation under this permit shall be to comply with the terms and conditions of the Consent Decree that relate to the operation of Mt Storm Power Station exclusively, and such compliance shall be determined exclusively by reference to the terms and conditions of the Consent Decree.
[45CSR§30-12.7., VEPCO Consent Decree Effective Date October 10, 2003]

4.1.24. "30-Day Rolling Average Emission Rate" for a Unit means and is calculated by (A) summing the total pounds of the pollutant in question emitted from the Unit during an Operating Day and the previous twenty-nine (29) Operating Days; (B) summing the total heat input to the Unit in mmBTU during the Operating Day and during the previous twenty-nine (29) Operating Days; and (C) dividing the total number of pounds of pollutants emitted during the thirty (30) Operating Days by the total heat input during the thirty (30) Operating Days, and converting the resulting value to lbs/mmBTU. A new 30-Day Rolling Average Emission Rate shall be calculated for each new Operating Day.

In calculating all 30-Day Rolling Average Emission Rates VEPCO:

a. shall include all emissions and BTUs commencing from the time the Unit is synchronized with a utility electric distribution system through the time that the Unit ceases to combust fossil fuel and the fire is out in the boiler, except as provided by Subparagraph B, C, or D; of the Consent decree (condition b., c., or d below)

b. shall use the methodologies and procedures set forth in 40 C.F.R. Part 75;

c. may exclude emissions of NOx and BTUs occurring during the fifth and subsequent Cold Start Up Period(s) that occur in any 30-Day period if inclusion of such emissions would result in a violation of any applicable 30-Day Rolling Average Emissions Rate, and if VEPCO has installed, operated and maintained the SCR [*a pollution control device that employs selective catalytic reduction*] in question in accordance with manufacturers specifications and good engineering practices. A "Cold Start Up Period" occurs whenever there has been no fire in the boiler of a Unit (no combustion of any fossil fuel) for a period of six hours or more. The emissions to be excluded during the fifth and subsequent Cold Start Up Period(s) shall be the less of (I) those NOx emissions emitted during the eight hour period commencing when the Unit is synchronized with a utility electric distribution system and concluding eight hours later or (2) those emitted prior to the time that the flue gas has achieved the SCR operational temperature as specified by the catalyst manufacturer; and

d. may exclude NOx emissions and BTUs occurring during any period of malfunction (as defined at 40 C.F.R. 60.2) of the SCR

[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 5]

4.1.25. Units 1, 2, and 3 shall operate with the SCR on a year-round basis and meet a 30-Day Rolling Average Emission Rate for NOx of 0.110 lb/mmBtu for each Unit. The permittee shall use best efforts to operate each SCR in accordance with manufacturer's specifications, good engineering practices, and facility operational and maintenance needs.
[VEPCO Consent Decree Effective Date October 10, 2003, Paragraphs 56, 57 and 58]

4.1.26. Mount Storm Units 1, 2, and 3 are meeting a 95% reduction efficiency for SO_2 on a 30-Day Rolling Average basis. For each unit, in lieu of the 95.0%, 30-Day Rolling Average reduction efficiency, the permittee may choose to meet an SO_2 emission rate of 0.150 lb/mmBtu with written, prior notice to the Consent Decree Plaintiffs.
[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 66]

4.1.27. Interim Mitigation of Mount Storm SO_2 Emissions While FGDs are Improved.
Notwithstanding the requirement to meet a specific percent removal or emission rate at Mount Storm Units 1, 2, or 3, in limited circumstances, VEPCO may operate such Units without meeting required Removal Efficiencies or Emission Rates in the case of FGD scrubber outages or downtime of the FGD scrubber serving each such Unit, if such operation complies with the following requirements. FGD outage or downtime "day" shall consist of a 24-hour block period commencing in the hour the FGD ceases to operate, and continuing in successive 24-hour periods until the hour the FGD is placed back into operation. Any period of less than 24 hours of FGD downtime shall count as a full "day". For the FGD serving Unit 3, because it has two separately operating absorber vessels, outage or downtime may be measured in "1/2 day" (12-hour) increments - one for each absorber - but otherwise on the same basis as a "day" is counted for outage or downtime on the FGDs serving Units 1 and 2.

In any calendar year from 2008 through 2012, VEPCO may operate Mount Storm Units 1, 2, or 3 in the case of FGD outages or downtime, if all of the following conditions are satisfied:

a. VEPCO does not operate Mount Storm Units 1, 2, or 3 during FGD outages or downtime on more than ten (10) "days", or part thereof, in any calendar year; in the case of Mount Storm Unit 3, operation during an outage or downtime in either of the two FGD absorber vessels serving the Unit shall count as "1/2 day" of operation during an FGD outage or downtime:

b. All other available VEPCO System Units on-line at the Mount Storm Station and Clover Station are dispatched ahead of the Mount Storm Unit experiencing the FGD outage or downtime; and

c. VEPCO surrenders to EPA (using the procedure of Section VI, Paragraph 72) one SO_2 Allowance, in addition to any surrender or possession of allowances required under Title IV or under any other provision of this Consent Decree, for each ton of SO_2 actually emitted in excess of SO_2 emissions that would have occurred if coal with 1.50 lb/mmBTU sulfur had been burned.

[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 67]

4.1.28. The FGD systems shall be operated at all times the Unit the FGD serves is in operation, provided that such FGD system can be operated consistent with manufacturers' specifications, good engineering practices and VEPCO's operational and maintenance needs. In calculating a 30-Day Rolling Average Removal Efficiency or a 30-Day Rolling Average Emission Rate for a Mount Storm Unit, VEPCO need not include SO_2 emitted by Unit while its FGD is shut down in compliance with Paragraph 67 of the decree ("Interim Mitigation of Mount Storm SO_2 Emissions While FGDs are Improved").
[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 69]

4.1.29. The SO_2 30-Day Rolling Average Removal Efficiency for a VEPCO System FGD shall be obtained and calculated using SO_2 CEMS data in compliance with 40 CFR Part 75 (from both the inlet and outlet of the control device) by subtracting the outlet 30-Day Rolling Average Emission Rate from the inlet 30-Day Rolling Average Emission Rate on each day the boiler operates, dividing that difference by the inlet 30-Day Rolling Average Emission Rate, and then multiplying by 100. A new 30-Day Rolling Average

Removal Efficiency shall be calculated for each new Operating Day (as defined in paragraph 30 of the consent decree). In the case of FGDs serving Mount Storm Units 1, 2, or 3, if any flue gas emissions containing SO_2 did not pass through the inlet of the Unit's scrubber on a day when the Unit operated, VEPCO must account for, report on, and include any such emissions in calculating the FGD Removal Efficiency for that day and for every 30-Day Rolling Average of which that day is a part.
[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 68]

4.1.30. The facility shall operate Mount Storm's Units 1, 2, and 3 ESPs to maximize PM emission reductions through procedures established in Paragraph 78 of the Consent Decree. The facility shall:

a. Commence operation no later than two hours after commencement of combustion of any amount of coal, and provided that, for all ESP equipped units, "combustion of any amount of coal" shall not include combustion of coal that is the result of clearing out a Unit's coal mills as the Unit is returned to service.

b. Fully energize each available portion of each ESP, except those ESP fields that have been out of service since at least January 1, 2000, consistent with manufacturer' specifications, the operational design of the Unit, and good engineering practices, and repair such fields that go out of service consistent with the requirements of this Paragraph.

c. Maintain power levels delivered to the ESPs, consistent with manufacturers' specifications, the operational design of the Unit and good engineering practices.

d. Continuously operate Mount Storm Units 1, 2, and 3 ESPs in compliance with manufacturers' specifications, the operational design of the Unit, and good engineering practices. Whenever any element of any ESP that has been in service at any time since January 1, 2000 fails, does not perform in accordance with manufacturers' specifications and good engineering practices, or does not operate in accordance with standards set forth in this Paragraph, the permittee shall use best efforts to repair the element no later than the next available Unit outage appropriate to the repair task.

[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 78]

4.1.31. The permittee shall operate and maintain the ESPs in compliance with the approved ESP optimization plan pursuant to Paragraphs 78 & 79 of the consent decree.
[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 80]

4.1.32. The emission rate from Unit 1 and Unit 2, as emitted from Emission Point MS1/2e, and from Unit 3 as emitted from Emission Point MS3e shall meet a PM emission limit of 0.030 lb/mmBtu.
[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 80]

4.1.33. The 0.030 lb/mmBtu PM Emission Rate (condition 4.1.31.) shall not apply during periods of "startup" and "shutdown" or during periods of control equipment or Unit malfunction. Periods of "startup" shall not exceed two hours after any amount of coal is combusted. Periods of "shutdown" shall only commence when the Unit ceases burning any amount of coal. Coal shall not be deemed to be combusted if it is burned as a result of clearing out a Unit's coal mill as the Unit is returned to service.
[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 81]

4.2. Monitoring Requirements

4.2.1. Compliance with the visible emission requirements for stacks *MS1/2e* and *MS3e* shall be determined as outlined in section I.A.2. of the DAQ approved "45CSR2 Monitoring Plan" attached in Appendix B of this permit.
[45CSR§§2-3.2., 8.1.a & 8.2., 45CSR§2A-6]

4.2.2. The owner or operator shall install, calibrate, certify, operate, and maintain continuous monitoring systems that measure all SO_2, and NO_x, emissions from emission points *MS1/2e* and *MS3e* as specified in 40 C.F.R. Part 75. CO_2 emissions from emission points *MS1/2e* and *MS3e* shall be measured as specified in 40 C.F.R. Part 75.
[45CSR33, 40 C.F.R. § 75.10,]

4.2.3. Compliance with the operating and fuel usage requirements for Units 1, 2 and 3 shall be demonstrated as outlined in section I.A.3. and II.A.3. of the DAQ approved "45CSR2 Monitoring Plan" attached in Appendix B of this permit.
[45CSR§§2-8.3.c., 8.4.a. & 8.4.a.1.]

4.2.4. Compliance with the visible emission requirements for *MS4e* shall be determined as outlined in section I.C.2. of the DAQ approved "45CSR2 Monitoring Plan" attached in Appendix B of this permit.
[45CSR§§2-3.2. & 8.2., 45CSR§2A-6]

4.2.5. Compliance with the auxiliary boiler's (*MS4e*) particulate matter mass emission requirements and the operating and fuel usage requirements for the auxiliary boilers, shall be demonstrated as outlined in section I.C.3. of the DAQ approved "45CSR2 Monitoring Plan" attached in Appendix B of this permit.
[45CSR§§2-8.3.c., 8.4.a. & 8.4.a.1.]

4.2.6. The permittee shall calculate the potential particulate matter emissions from Unit 1, Unit 2, and Unit 3 on a daily basis using the monitoring procedures and calculation methodology outlined in the 45CSR2 monitoring plan. The permittee shall record any instance of calculated emissions in excess of the limits given under condition 4.1 of this permit and any corrective actions therefore taken.
[45CSR13 - Permit No. R13-2735 §4.2.1.]

4.2.7. The permittee shall maintain and operate, at all reasonable times, appropriate equipment on the ESP and FGD to continuously monitor the performance of each control device.
[45CSR13 - Permit No. R13-2735 §4.2.2.]

4.3. Testing Requirements

4.3.1. The owner or operator shall conduct a test at least once every five (5) years +/- 12 months to determine the compliance of Unit 1, Unit 2 and Unit 3 Boilers with the carbon monoxide (CO) limits of conditions 4.1.12. and 4.1.13. Such tests shall be conducted in accordance with 40 CFR 60 Appendix A - Method 10. An emission factor shall be determined from the test results and updated from the results of each subsequent test. The emission factor shall be used for compliance demonstration for periods between tests.
[45CSR§30-5.1.c.]

4.3.2. Commencing in 2004, the permittee shall conduct a stack test for PM on each boiler stack. The stack test shall be conducted at least once per every four successive "QA Operating Quarters" (as defined in 40 CFR 72.2). The reference methods for determining PM Emission Rates shall be those specified in 40 C.F.R. Part 60, Appendix A, Method 5 or Method 17, using annual stack tests. VEPCO shall calculate PM

Emission rates from the annual stack tests in accordance with 40 C.F.R. 60.8(f) and 40 C.F.R. 60.48a(b). The annual stack-testing requirement of this Paragraph shall be conducted as described in Paragraph 95 of the Consent Decree and may be satisfied by: (A) any annual stack tests VEPCO may conduct pursuant to its permits or applicable regulations from the State of West Virginia if such tests employ reference test methods allowed under the Decree, or (B) installation and operation of PM CEMs required under the Decree.
[VEPCO Consent Decree Effective Date October 10, 2003, Paragraphs 81 and 95]

4.3.3. Tests shall be conducted as follows:

a. The owner or operator shall conduct, or shall have conducted, tests to determine the compliance of Unit 1, Unit 2, and Unit 3 boilers particulate matter mass emission limitations under 4.1.5. Such tests shall be conducted in accordance with the appropriate method set forth in 45CSR2 Appendix - Compliance Test Procedures for 45CSR2 or other equivalent EPA approved method approved by the Secretary. Such tests shall be conducted in accordance with the schedule set forth in the following table. The most recent tests were completed in May of 2008 and the test results were ≤50% of the weight emission standard, resulting in a testing frequency of "Once /3 years." Subsequent testing shall be based on the schedule in 4.3.3.c. below.

b. The permittee shall conduct, or shall have conducted, tests to determine the compliance of Unit 1, Unit 2, and Unit 3 boiler's emission limits and control efficiency under 4.1.6., 4.1.7. and 4.1.8. on a per-stack basis. Control efficiency shall be calculated using material balance based emissions for the inlet and results of the stack test for the outlet emissions. Such tests shall be conducted in accordance with approved test methods proposed in the test protocol submitted under 3.3. Such tests shall be conducted in accordance with the schedule set forth in the following table. The most recent tests were completed in May of 2008 and the test results were ≤50% of the weight emission standard, resulting in a testing frequency of "Once /3 years." Subsequent testing shall be based on the schedule in 4.3.3.c. below.

c. Testing schedule for Conditions 4.3.3.a &b. above:

Test	Test Results	Testing Frequency
Annual	After three successive tests indicate mass emission rates ≤50% of weight emission standard	Once/3 years
Annual	After two successive tests indicate mass emission rates between 50% and 80 % of weight emission standard	Once/2 years
Annual	Any tests indicates a mass emission rate ≥80% of weight emission standard	Annual
Once/2 years	After two successive tests indicate mass emission rates ≤50% of weight emission standard	Once/3 years
Once/2 years	Any tests indicates a mass emission rate between 50% and 80 % of weight emission standard	Once/2 years
Once/2 years	Any tests indicates a mass emission rate ≥80% of weight emission standard	Annual

Test	Test Results	Testing Frequency
Once/3 years	Any tests indicates a mass emission rate ≤50% of weight emission standard	Once/3 years
Once/3 years	Any test indicates mass emission rates between 50% and 80 % of weight emission standard	Once/2 years
Once/3 years	Any test indicates a mass emission rate ≥80% of weight emission standard	Annual

[45CSR§2-8.1., 45CSR§2A-5.2., 45CSR13 - Permit No. R13-2735 §4.3.1.]

4.4. Recordkeeping Requirements

4.4.1. Records of monitored data established in the monitoring plan (see Appendix B) shall be maintained on site and shall be made available to the Secretary or his duly authorized representative upon request.
[45CSR§2-8.3.a.]

4.4.2. Records of the operating schedule and the quantity and quality of fuel consumed in each fuel burning unit, shall be maintained on-site in a manner to be established by the Secretary and made available to the Secretary or his duly authorized representative upon request.
[45CSR§2-8.3.c.]

4.4.3. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0 of R3-2735 (i.e., Units 1, 2, and 3 ESPs and FGDs), the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[45CSR13 - Permit No. R13-2735 §4.4.2.]

4.4.4. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0 of R3-2735 (i.e., Units 1, 2, and 3 ESPs and FGDs), 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.
[45CSR13 - Permit No. R13-2735 §4.4.3.]

4.4.5. **Retention of records related to the requirements Permit R13-2735.** 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.
[45CSR13 - Permit No. R13-2735 §3.4.1.]

4.5. Reporting Requirements

4.5.1. The designated representative shall electronically report SO_2, NO_x, and CO_2 emissions data and information as specified in 40 C.F.R. § 75.64 to the Administrator of USEPA, quarterly. Each electronic report must be submitted within thirty (30) days following the end of each calendar quarter.
[45CSR33, 40 C.F.R. § 75.64]

4.5.2. A periodic exception report shall be submitted to the Secretary, in a manner and at a frequency to be established by the Secretary. Compliance with this periodic exception reporting requirement shall be demonstrated as outlined in sections I.A.5., I.C.4., II.A.4. and II.B.2. of the DAQ approved "45CSR2 Monitoring Plan" attached in Appendix B of this permit.
[45CSR§2-8.3.b.]

4.5.3. Excess opacity periods resulting from any malfunction of Unit 1, Unit 2, Unit 3 or Auxiliary boiler or their air pollution control equipment, meeting the following conditions, may be reported on a quarterly basis unless otherwise required by the Secretary:

a. The excess opacity period does not exceed thirty (30) minutes within any twenty-four (24) hour period; and

b. Excess opacity does not exceed forty percent (40%).
[45CSR§2-9.3.a.]

4.5.4. Except as provided in permit condition 4.5.3. above, the owner or operator shall report to the Secretary by telephone, telefax, or e-mail any malfunction of Unit 1, Unit 2, Unit 3 or Auxiliary boiler or their associated air pollution control equipment, which results in any excess particulate matter or excess opacity, by the end of the next business day after becoming aware of such condition. The owner or operator shall file a certified written report concerning the malfunction with the Secretary within thirty (30) days providing the following information:

a. A detailed explanation of the factors involved or causes of the malfunction;

b. The date, and time of duration (with starting and ending times) of the period of excess emissions;

c. An estimate of the mass of excess emissions discharged during the malfunction period;

d. The maximum opacity measured or observed during the malfunction;

e. Immediate remedial actions taken at the time of the malfunction to correct or mitigate the effects of the malfunction; and

f. A detailed explanation of the corrective measures or program that will be implemented to prevent a recurrence of the malfunction and a schedule for such implementation.

[45CSR§2-9.3.b.]

4.5.5. The permittee shall maintain on-site records of monitoring required under 4.2.6. and 4.2.7. for a period of five years and make these records available to the Secretary upon request. The permittee shall submit deviation reports 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 required reports must be certified by a responsible official.

[45CSR13 - Permit No. R13-2735 §4.5.1.]

Acid Rain Program

4.5.6. Unit 1, Unit 2 and Unit 3 are Phase II Acid Rain affected units under 45CSR33, as defined by 40 C.F.R § 72.6, and as such are required to meet the requirements of 40 C.F.R. Parts 72, 73, 74, 75, 76, 77 and 78. These requirements include, but are not limited to:

a. Hold an Acid Rain permit (Acid Rain Permit is included in Appendix C);

b. Hold allowances, as of the allowance transfer deadline, in the unit's compliance sub-account of not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit;

c. Comply with the applicable Acid Rain emissions for sulfur dioxide;

d. Comply with the applicable Acid Rain emissions for nitrogen oxides;

e. Comply with the monitoring requirements of 40 C.F.R. Part 75 and section 407 of the Clean Air Act of 1990 and regulations implementing section 407 of the Act;

f. Submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 C.F.R. Part 72, Subpart I and 40 C.F.R. Part 75.

[45CSR33, 40 C.F.R. Parts 72, 73, 74, 75, 76, 77, 78.]

4.6. Compliance Plan

4.6.1. [*Reserved*]

5.0 Source-Specific Requirements [Fuel Handling Equipment]

5.1. Limitations and Standards

5.1.1. The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDR-VB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CS-CNV-P-1, MTST-00-CS-CNV-P-2).
[45CSR13, R13-2034, 4.1.1.]

5.1.2. In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
DP1	Coal Trucks dumping to Collection Bins	Windbreaks 6 feet high with sheet metal walls extending up from the windbreaks and tying into a removable truss type roof.
DP2	Vibrating Feeders to Conveyor S-1a	Transfer point is fully enclosed and is also located underground.
DP5	Conveyor S-1b to Conveyor S-2	Transfer point is fully enclosed and is located inside a full enclosure at the top of the silo.
DP6	Conveyor S-2 to Silo	Transfer point inside a fully enclosed silo
DP7	Silos to Belt Feeders	Transfer point is fully enclosed and is located inside a fully enclosed silo.
DP8	Belt Feeders to Conveyor P-1	Transfer point is fully enclosed and is located inside a full enclosure underneath the silos.
T1	Existing Truck Dump to existing Silo Feed (S-1a) to existing Conveyor S1-b or New Transfer Conveyor S-3a	Full Enclosure
T2	Transfer Conveyor S-3a to Radial Stacker S-5 or Transfer Conveyor S-4	Partial Enclosure
T3	Transfer Conveyor S-4 to Radial Stacker S-6	Partial Enclosure
T4	Radial Stacker S-5 or Radial Stacker S-6 to Pile	Partial Enclosure
T7	Bulldozer to New Reclaim Hoppers	Transfer point is located and controlled underground
T8	New Reclaim Hoppers to New Reclaim Coal Conveyor T	Underground
T9	New Reclaim Conveyor T to Existing P-1 Conveyor	Partial Enclosure / Underground

Transfer Point ID No.	Transfer Point Description	Method of Controls
T10	New Transfer on P-1 Conveyor to P-2 Conveyor	Full Enclosure
T11	Transfer Conveyor C-SF-1 with associated transfer house	Partial Enclosure
T12	Transfer Conveyor C-SF-2 with associated transfer house	Partial Enclosure
T13	Raw Coal Stock Out Conveyor "R" (MTST-00-CS-CNV-R) with associated transfer house	Partial Enclosure
Silo SB1	S-Sorb Receiving Silo	Fabric Filter
Silo SB2	S-Sorb Active Silo	Fabric Filter
CNV-SB3	S-Sorb Transfer Conveyor	Full Enclosure
CHT-SB4	S-Sorb Transfer Chute	Full Enclosure

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

5.1.3. In accordance with the information filed in Permit Application R13-2034, the 0.600 mile haul road connecting State Route 93 to the Coal Truck Unloading Facility, as defined in condition 5.1.1., shall be paved. Fugitive emissions from the haul road to the Coal Truck Unloading Facility shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.
[45CSR13, R13-2034, 4.1.2.]

5.1.4. In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haul road and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.
[45CSR13, R13-2034, 4.1.3.]

5.1.5. In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.0644 miles of the FGD By-Product Disposal Route, resulting in a total FGD By-Product Disposal Route of 0.9000 miles of paved road and no unpaved road. Fugitive emissions from the FGD By-Product Disposal Route shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.
[45CSR13, R13-2034, 4.1.4.]

5.1.6. 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.
[45CSR13, R13-2034, 4.1.5.]

5.1.7. The amount of coal through the two new raw coal stockpiles combined shall not exceed 2,400 tons per hour nor 2,500,000 tons per year.
[45CSR13, R13-2034, 4.1.6.]

5.1.8. The Bulldozer working the new Reclaim Hoppers #1 and #2 shall not operate more than 7,150 hours per year based on a rolling yearly total.
[45CSR13, R13-2034, 4.1.7.]

5.1.9. At all times except during periods of startup, shutdown, and malfunctions the visible emissions shall not exceed twenty percent (20%) opacity from the following equipment: coal conveyors, MTST-00-CS-CNV-R, -Q, -C2, -D, -H2, -J, -G, -C1, -H1, -S1a, S1b, -S3a, & -S2, the primary crushers MTST-00-CS-CRH-4 & -5, and the sample crushers MTST-00-CSS-CRH-B. In determining compliance with the particulate matter standard for opacity, Method 9 and the procedures in 40 C.F.R. § 60.11 shall be employed.
[45CSR16, 40 C.F.R. § 60.11 (c), 40 C.F.R. § 60.252 (c)]

5.1.10. At all times, including periods of startup, shutdown, and malfunction, any affected facility [coal equipment as listed in condition 5.1.13.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
[45CSR16, 40 C.F.R. § 60.11 (d)]

5.1.11. 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 condition 5.1.2. 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.
[45CSR13, R13-2034, 4.1.12 ~~8~~.]

5.1.12. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D 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.
[45CSR13, R13-2034, 2.5.1.]

5.1.13. S-Sorb throughput into Silo SB1 shall not exceed 50 tons per hour nor 45,000 tons per year.
[45CSR13, R13-2034, 4.1.8.]

5.1.14. The transfer point between the S-Sorb transfer conveyor (CNV-SB3) and the existing coal conveyor shall be enclosed by a chute.
[45CSR13, R13-2034, 4.1.11.]

5.1.15. Particulate Matter emissions from the two S-Sorb silos (SB1 and SB2) shall be controlled with fabric filters. Said fabric filters shall be designed, installed, operated and maintained so as to achieve a minimum overall control efficiency of at least 99.8%.
[45CSR13, R13-2034, 4.1.9.]

5.1.16. The S-Sorb transfer conveyor (CNV-SB3) shall be fully enclosed.
[45CSR13, R13-2034, 4.1.10.]

5.2. Monitoring Requirements

5.2.1. For the purposes of determining compliance with condition 5.1.1., the permittee shall monitor the total amount of coal transferred through both truck dumps at the Coal Truck Unloading Facility.
[45CSR13, R13-2034, 4.2.1.]

5.2.2. For the purposes of determining compliance with condition 5.1.7., the permittee shall monitor the total amount of coal transferred through each of the two new raw coal stockpiles.
[45CSR13, R13-2034, 4.2.2.]

5.2.3. For the purposes of determining compliance with condition 5.1.8., the permittee shall monitor the number of hours of dozer operation each month.
[45CSR13, R13-2034, 4.2.3.]

5.2.4. For the purposes of determining compliance with condition 5.1.13., the permittee shall monitor the total amount of sorbent transferred to silo SB1 on a monthly basis.
[45CSR13, R13-2034, 4.2.4.]

5.3. Testing Requirements

5.3.1. The emission points (i.e., enclosure openings as applicable) from the coal equipment as listed in condition 5.1.9.~~13~~ shall be observed visually by an individual trained (not necessarily certified) per Method 22 at least each calendar month during periods of facility operation for a sufficient time interval to determine if any visible emissions are present. If visible emissions from any of the affected facilities are observed during these monthly observations, or at any other time, that appear to exceed the allowable visible emission requirement for the affected facility, visible emissions evaluations in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be conducted immediately. A Method 9 evaluation shall not be required if the visible emissions condition is corrected as expeditiously as possible and recorded, and the cause and corrective measures taken are recorded The Method 9 tests shall be conducted during periods of facility operation. If any Method 9 test indicates opacity greater than 80% of the allowable visible emission requirement, Method 9 tests shall be conducted each calendar month for those emission points exceeding 80%. If any Method 9 test indicates opacity less than or equal to 80% of the allowable limit, the monthly Method 22-like observations may resume as previously described.
[45CSR§30-5.1.c.]

5.4. Recordkeeping Requirements

5.4.1. For the purposes of determining compliance with condition 5.1.1., the permittee shall maintain certified records of the total amount of coal transferred through both truck dumps at the Coal Truck Unloading Facility, as per Attachments A and B.
[45CSR13, R13-2034, 4.4.4.]

5.4.2. A record of each visible emissions observation as required in condition 5.3.1. shall be maintained, including any data required by 40 C.F.R. 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.
[45CSR§30-5.1.c.]

5.4.3. Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in condition 5.1.2., the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[45CSR13, R13-2034, 4.4.2.]

5.4.4. Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in condition 5.1.2., 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.

[45CSR13, R13-2034, 4.4.3.]

5.4.5. For the purposes of determining compliance with condition 5.1.7., the permittee shall maintain certified records of the total amount of coal transferred through each of the two new raw coal stockpiles.
[45CSR13, R13-2034, 4.4.5.]

5.4.6. For the purposes of determining compliance with condition 5.1.8., the permittee shall maintain certified records of the number of hours of bulldozer operation on a monthly basis.
[45CSR13, R13-2034, 4.4.6.]

5.4.7. **Retention of records related to the requirements Permit R13-2034.** 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.
[45CSR13 - Permit No. R13-2034 §3.4.1.]

5.4.8. For the purposes of determining compliance with condition 5.1.13. of this permit, the permittee shall maintain certified records of the total amount of sorbent transferred to silo SB1 on a monthly basis.
[45CSR13, R13-2034, 4.4.7.]

5.5. Reporting Requirements

5.5.1. [*Reserved*]

5.6. Compliance Plan

5.6.1. [*Reserved*]

6.0 Source-Specific Requirements [Limestone Handling Equipment]

6.1. Limitations and Standards

6.1.1. In accordance with the information filed in Permit Application R13-1660C, and any amendments thereto, the following maximum throughputs shall not be exceeded, and, at a minimum, the following control equipment shall be installed, maintained, and operated so as to minimize particulate matter emissions:

Equipment ID No.	Description	Maximum Capacity		Control Equipment[1]	Associated Transfer Points		
		TPH	TPY		Location B- Before A- After	ID No.	Control Equip-ment[1]
Limestone Crushing Circuit							
2sa	Limestone Unloading Hoppers	440	354,000	PE, BH	B A	2ca n/a	PE, BH UG
3se	Sample Crusher Conveyer	440	354,000	FE, BH	B A	n/a 3ca	UG FE
3sg	Sample Crusher	7	261	FE, BH	B A	3ca 3cb	FE BH
4sa	Storage Pile Conveyer	440	354,000	FE	B A	3cb 5c	BH FE
5sa	Storage Pile (30,000 ton)	n/a	354,000	FE	B A	5c n/a	FE UG
6sd	Primary Crusher Conveyer	250	354,000	FE	B A	n/a 7cc	UG BH
n/a	Tramp Metal Magnet Building	250	354,000	FE	n/a	n/a	n/a
7sb	Primary Crusher	250	354,000	FE, BH	B A	7cc 7cc	BH BH
7sd	Shuttle Conveyer	250	354,000	FE	B A	7cc 8ce	BH BH
8sa	Limestone Storage Silo 1 (500 ton)	250	354,000	FE, BH	B	8ce	BH
8sb	Limestone Storage Silo 2 (500 ton)			FE, BH	B	8ce	BH
8sc	Limestone Storage Silo 3 (500 ton)			FE, BH	B	8ce	BH
8sd	Limestone Storage Silo 4 (500 ton)			FE, BH	B	8ce	BH

[1] BH - Baghouse, FE - Full Enclosure, PE - Partial Enclosure, UG - Underground Reclaim

[45CSR13 - Permit No. R13-1660 §A.1.]

6.1.2. Particulate matter (PM) emissions from the following emission points shall not exceed the specified limitations, and the units shall maintain the minimum collection efficiency:

Control Device ID NO.	Control Device Type	Emission Point ID No.	Maximum Emission Limit (lb/hour)[1]	Maximum Emission Limit (tons/year)	Maximum Emission Limit (gr/dscf)[2]	Maximum Collection Efficiency (%)
2ca	Baghouse	2e	<0.01	<0.01	0.022	99.80
3cb	Baghouse	3e	<0.01	<0.01	0.022	99.80
6cc	Baghouse	6e	<0.01	<0.01	0.022	99.80
7cc*	Baghouse	7e	<0.01	<0.01	0.022	99.80
8ce*	Baghouse	8e	<0.01	<0.01	0.022	99.80

[1] These limits are considered instantaneous limits and represent limits for Total Suspended Particulate and Particulate Matter less than 10 microns.

[2] Pursuant to 40.672(a)(1) and in grains/dry standard cubic feet

**Note – 7cc is listed as Dust Collector #5 and 8ce is listed as Dust Collector #7 in Condition 1.0 Emission Table to coincide with plant labeling*

[45CSR13 - Permit No. R13-1660 §A.2., 45CSR16, 40 CFR §60.672(a)(1)]

6.1.3. The maximum quantity of stone processed by the primary crusher, identified under condition 6.1.1. as 7sb (*MTST-00-SAR-CRH-1*), shall not exceed 354,000 tons per year. Compliance with the processing limit shall be determined using a rolling yearly total. A rolling yearly total shall mean the sum of the stone processed at any given time for the previous twelve (12) consecutive calendar months.
[45CSR13 - Permit No. R13-1660 §A.3.]

6.1.4. The maximum quantity of stone processed by the sample crusher, identified under condition 6.1.1. as 3sg (*MTST-00-SAR-CRH-2*), shall not exceed 7 tons per hour or 261 tons per year. Compliance with the processing limit shall be determined using a rolling yearly total.
[45CSR13 - Permit No. R13-1660 §A.4.]

6.1.5. The maximum annual amount of FGD By-Product disposed of on or off-site shall not exceed 630,000 tons per year. Compliance with the processing limit shall be determined using a rolling yearly total.
[45CSR13 - Permit No. R13-1660 §A.5.]

6.1.6. In accordance with Attachment E filed in Permit Application R13-1660C, the permittee shall maintain hard pavement on the whole length of the limestone haul road, 1.318 miles of the ash disposal haul road starting at the plant, and the ash-limestone haul road crossover. The pavement shall be repaired and maintained as necessary so as to keep the pavement in good condition.
[45CSR13 - Permit No. R13-1660 §A.6.]

6.1.7. The following methods of dust minimization shall be utilized on all paved and unpaved haul roads as specified:

a. The unpaved portion of the ash haul road shall be treated with at least two (2) applications of calcium chloride during a minimum of the four (4) summer months (June, July, August, and September). Each application shall be, at a minimum, at least sixty (60) days apart.

b. 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 paved and unpaved haul roads (including the coal haul road) and other work areas where mobile equipment is used.
The spray bar 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 nozzles(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 haul roads and work areas where mobile equipment is used.

c. The permittee shall use a high-pressure water stream on all paved haul roads as often as is necessary, but no less than once per calendar month, to clean the paved roads of entrained dirt and dust that would contribute significantly to particulate matter emissions. The high-pressure water stream shall be of sufficient strength to remove imbedded dirt and dust on the paved roads thereby lowering the dust loading of the paved roads. This requirement shall be waived during periods of prolonged sub-freezing weather.

[45CSR133 - Permit No. R13-1660 §A.7.]

6.1.8. The limestone unloading area shall take place within a two sided roofed enclosure.
[45CSR133 - Permit No. R13-1660 §A.8.]

6.1.9. The inactive FGD by-product disposal area shall be permanently treated with soil and grass cover.
[45CSR13 - Permit No. R13-1660 §A.9.]

6.1.10. FGD by-product shall be maintained at a sufficient moisture content so as to minimize fugitive particulate matter emissions prior to final deposition at the on-site landfill. FGD by-product loading operations that result in any visible particulate matter emissions shall be considered not to be minimized. Compliance with this condition shall be determined in accordance with 6.3.2. & 6.4.1.
[45CSR13 - Permit No. R13-1660 §A.10.]

6.1.11. The pertinent sections of 40 CFR 60 applicable to this facility include the following:

a. §§60.672(a), (b), & (f) - Particulate matter stack emissions from the Baghouse vents BH2ca, BH3cb, BH6cc, BH7cc and BH8ce shall not exceed 7 percent opacity. Any fugitive emissions from the equipment and transfer points identified in condition 6.1.1 shall not exceed 10 percent opacity

b. The opacity requirement set forth in 6.1.11.a. shall apply at all times except during periods of startup, shutdown, and malfunctions

[45CSR13 - Permit No. R13-1660 §B.4., 45CSR16, 40 CFR §60.11(c), 40 CFR §§ 60,672 (a), (b), & (f)]

6.1.12. At all times, including periods of startup, shutdown, and malfunction, any affected facility [*limestone equipment as defined in* conditions *6.1.1. and 6.1.2.*] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but

is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
[45CSR16, 40 C.F.R. § 60.11(d)]

6.2. Monitoring Requirements

6.2.1. [*Reserved*]

6.3. Testing Requirements

6.3.1. At such reasonable time(s) as the Director may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations as set forth in condition 6.1.2. Test(s) shall be conducted in accordance with condition 6.3.3. contained herein. The Director, or his duly authorized representative, may, at his option, witness or conduct such test. Should the Director exercise his option to conduct such test(s), the operator shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Director 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.
[45CSR13 - Permit No. R13-1660 §A.11.]

6.3.2. Each emissions unit with a visible emissions limit contained in this permit section (Section 6) shall be observed visually at least each calendar month during periods of facility operation for a sufficient time interval to determine if the unit has any visible emissions using 40 C.F.R. 60 Appendix A, Method 22. If visible emissions from any of the affected facilities are observed during these monthly observations, or at any other time, that appear to exceed the allowable visible emission requirement for the affected facility, visible emissions evaluations in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be conducted immediately. A Method 9 evaluation shall not be required if the visible emissions condition is corrected as expeditiously as possible and recorded, and the cause and corrective measures taken are recorded." A Method 9 evaluation shall not be required if the visible emissions condition is corrected in a timely manner; the emissions unit is operating; and, the cause and corrective measures taken are recorded.
[45CSR13 - Permit No. R13-1660 §A.12.a), 45CSR§30-5.1.c., 45CSR§30-12.7]

6.3.3. The pertinent sections of 40 CFR 60 applicable to this facility include the following:

a. §60.675(c)(1) - In determining compliance with the particulate matter standards in §60.672 (b) [condition *6.1.11*] and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:

1. §60.675(c)(1)(i) - The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

2. §60.675(c)(1)(ii) - The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.

b. §60.675(c)(3) - When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) of 40 CFR Subpart OOO [*condition 6.1.11.*], the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply

1. §60.675(c)(3)(ii) - There are no individual readings greater than 10 percent opacity; and

2. §60.675(c)(3)(ii) - There are no more than 3 readings of 10 percent for the 1-hour period

c. §60.675(g) - If, after 30 days notice for an initially scheduled performance test, there is delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

[45CSR13 - Permit No. R13-1660 §B.4.]

6.3.4. With regard to any testing required by the Director, the permittee shall submit to the Director of Air Quality 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 no less than thirty (30) days prior to the date the testing is to take place. Test results shall be submitted to the Director no more than sixty (60) days after the date the testing takes place.
[45CSR13 - Permit No. R13-1660 §B.6.]

6.4. Recordkeeping Requirements

6.4.1. A record of each visible emissions observation as required in permit condition 6.3.2**.** and/or 6.3.3**.** shall be maintained, including any data required by 40 C.F.R. 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.
[45CSR13 - Permit No. R13-1660 §A.12.b)]

6.4.2. For the purposes of determining compliance with maximum throughput limits set forth in conditions 6.1.3., 6.1.4., and 6.1.5. the applicant shall maintain monthly records of the throughputs of the specified materials. For the purposes of determining compliance with the water truck requirement in condition 6.1.7., the applicant shall maintain a daily and monthly record of water truck usage. Such records shall be retained by the permittee for at least five (5) years. Certified records shall be made available to the Director or his/her duly authorized representative upon request.
[45CSR13 - Permit No. R13-1660 §B.7.]

6.5. Reporting Requirements

6.5.1. The pertinent sections of 40 CFR 60 applicable to this facility include the following:

a. §60.676(f) - The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of Subpart OOO, including reports of opacity observations made using Method 9 to demonstrate compliance with §60.672(b) [*condition 6.1.11*.], (c), and (f).

b. §60.7(a) - Any owner or operator subject to the provisions of this part [*40 CFR 60*] shall furnish written notification as follows:

§60.7(a) (4) - A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies.

c. §60.7(b) - Any owner or operator subject to the provisions of this part [*40 CFR 60*] shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment.
[45CSR13 - Permit No. R13-1660 §B.4.]

6.5.2. All notifications and reports required pursuant to 40 CFR 60 under §60.7 shall be forwarded to the WVDAQ and USEPA as outlined in permit condition 3.5.3.
[45CSR13 - Permit No. R13-1660 §B.8.]

6.6. Compliance Plan

6.6.1. [*Reserved*]

7.0 40 CFR Part 60, Subpart Da Requirements for Unit 2 Boiler [MTST-02-BLR-STG-1]

7.1. Limitations and Standards

Except where this permit is more stringent than the applicable requirement, Unit 2 shall comply with the applicable requirements listed in 40 CFR Part 60, Subpart Da.

Particulate Matter

7.1.1. Except as provided in c. and d. below, no owner or operator of an affected facility that commenced construction, reconstruction, or modification after February 28, 2005, but before May 4, 2011, shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of either:

a. 0.14 lb/MWh gross energy output; or

b. 0.015 lb/MMBtu heat input derived from the combustion of solid, liquid, or gaseous fuel.

As an alternative to meeting the requirements of a. and b. above, the owner or operator may elect to meet the requirements of this paragraph. No owner or operator of an affected facility shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of:

c. 0.030 lb/MMBtu heat input derived from the combustion of solid, liquid, or gaseous fuel, and

d. 0.2 percent of the combustion concentration determined according to the procedure in 40 CFR §60.48Da(o)(5) (99.8 percent reduction) when combusting solid, liquid, or gaseous fuel.

[40 CFR §§60.42Da(c), (d)(1) and (d)(3), and 45CSR16]

Sulfur Dioxide (SO_2)

7.1.2. No owner or operator of an affected facility for which construction, reconstruction, or modification commenced after February 28, 2005, but before May 4, 2011, shall cause to be discharged into the atmosphere from that affected facility, any gases that contain SO_2 in excess of either:

a. 1.4 lb/MWh gross energy output;
b. 0.15 lb/MMBtu heat input; or
c. 10 percent of the potential combustion concentration (90 percent reduction).

[40 CFR §§60.43Da(i) and (i)(3) and 45CSR16]

Nitrogen Oxides (NO_X)

7.1.3. No owner or operator of an affected facility that commenced construction, reconstruction, or modification after February 28, 2005 but before May 4, 2011, shall cause to be discharged into the atmosphere from that affected facility any gases that contain NO_X (expressed as NO_2), as determined on a 30-boiler operating day rolling average basis, in excess of either:

a. 1.4 lb/MWh gross energy output; or
b. 0.15 lb/MMBtu heat input.

[40 CFR §§60.44Da(e) and (e)(3) and 45CSR16]

Compliance Standards

7.1.4. The applicable PM emissions limit under 7.1.1., SO_2 emissions limit under 7.1.2., and the NO_X emissions limit under 7.1.3. apply at all times except during periods of startup, shutdown, or malfunction.
[40 CFR §60.48Da(a) and 45CSR16]

7.1.5. For affected facilities for which construction, modification, or reconstruction commenced before May 4, 2011, compliance with applicable 30-boiler operating day rolling average SO_2 and NO_X emissions limits is determined by calculating the arithmetic average of all hourly emission rates for SO_2 and NO_X for the 30 successive boiler operating days, except for data obtained during startup, shutdown, or malfunction.
[40 CFR §60.48Da(d) and 45CSR16]

7.1.6. For affected facilities for which construction, modification, or reconstruction commenced before May 4, 2011, compliance with applicable SO_2 percentage reduction requirements is determined based on the average inlet and outlet SO_2 emission rates for the 30 successive boiler operating days.
[40 CFR §60.48Da(e) and 45CSR16]

7.1.7. Compliance with applicable daily average PM emissions limits is determined by calculating the arithmetic average of all hourly emission rates for PM each boiler operating day, except for data obtained during startup, shutdown, and malfunction. Daily averages are only calculated for boiler operating days that have non-out-of-control data for at least 18 hours of unit operation during which the standard applies. Instead, all of the non-out-of-control hourly emission rates of the operating day(s) not meeting the minimum 18 hours non-out-of-control data daily average requirement are averaged with all of the non-out-of-control hourly emission rates of the next boiler operating day with 18 hours or more of non-out-of-control PM CEMS data to determine compliance.
[40 CFR §60.48Da(f) and 45CSR16]

7.1.8. The affected facility shall comply with all applicable compliance provisions of 40 CFR§60.48Da including the following:

40CFR§60.48Da(i) for NO_x
40CFR§60.48Da(m) for SO_2
40CFR§§60.48Da(n) or (o) or (p) for PM
[40 CFR §60.48Da and 45CSR16]

7.2 Monitoring Requirements

7.2.1. The affected facility shall comply with the applicable emissions monitoring standards specified in 40 CFR§60.49Da.
[40 CFR §60.49Da and 45CSR16]

7.3 Testing Requirements

7.3.1. Where applicable, the affected facility shall determine compliance by using the performance tests specified in 40 CFR §60.50Da including the following:

40CFR§60.50Da(b) for PM emission limit
40CFR§60.50Da(c) for SO_2 standards
40CFR§60.50Da(d) for NO_x standards
[40 CFR §60.50Da and 45CSR16]

7.4 Reporting requirements

7.4.1. The affected facility shall comply with the applicable reporting requirements in of 40 CFR§60.51Da. **[40 CFR §60.51Da and 45CSR16]**

7.5 Recordkeeping requirements

7.5.1. The affected facility shall comply with the applicable recordkeeping requirements in of 40 CFR§60.52Da. **[40 CFR §60.52Da and 45CSR16]**

~~7.0 Source-Specific Requirements [Fire Fighter Training Facility]~~

~~7.2. Limitations and Standards~~

~~7.1.1. The Fire Fighter Training Facility shall operate a maximum of thirty (30) days in any calendar year.~~
~~**[45CSR13 - Permit No. R13-1438 §(A)(1)]**~~

~~7.1.2. The permittee shall not exceed the following maximum daily and annual fuel/combustible usage rates in all training activities:~~

~~Material~~	~~Daily Maximum~~	~~Annual Maximum~~
~~Gasoline~~	~~5 gallons~~	~~150 gallons~~
~~Diesel~~	~~250 gallons~~	~~7500 gallons~~
~~Hay~~	~~2 bales~~	~~60 bales~~

~~**[45CSR13 - Permit No. R13-1438 §(A)(2)]**~~

~~7.1.3. The permittee's activities addressed by this permit section (Section 8.0) involve open burning within the meaning of WVDAQ Rule 6 (45CSR6). In lieu of requiring the permittee to obtain daily approval from the Director for such open burning under the fire training exceptions of Rule 6, the permittee shall suspend open burning operations upon telephone or faxed notice from the Director or his representative to so suspend operations. Such notice by the Director shall be based upon adverse meteorological conditions and/or air pollution complaints received by the WVDAQ. The permittee shall not conduct fire training if forecasted weather conditions predict unfavorable air pollutant (smoke) dispersion conditions including predicted air stagnation conditions.~~
~~**[45CSR13 - Permit No. R13-1438 §(B)(2)]**~~

~~7.3. Monitoring Requirements~~

~~7.2.1. [*Reserved*]~~

~~7.4. Testing Requirements~~

~~7.3.1. [*Reserved*]~~

~~7.5. Recordkeeping Requirements~~

~~7.4.1. The permittee shall maintain daily records for the quantity of each fuel utilized. A yearly report shall be certified for accuracy by facility management and submitted to the WVDAQ Director within fifteen (15) days of the end of each calendar year. This report shall provide the dates operated, all dates upon which fire training was conducted, and the quantity of each fuel/combustible utilized on each date, and the total quantity of each fuel/combustible burned during the year. The form attached in Appendix A of Permit R13-1438 or another form as approved by the Director, shall be utilized for this report.~~
~~**[45CSR13 - Permit No. R13-1438 §(B)(3)]**~~

~~7.6. Reporting Requirements~~

~~7.5.1. [*Reserved*]~~

~~7.7. Compliance Plan~~

~~7.6.1. [*Reserved*]~~

ATTACHMENT A

Daily Throughput for New Coal Truck Unloading Facility
MT. STORM POWER STATION Material Throughput Report
VEPCO – Mt. Storm Power Station
Permit No. R13-2034B
Plant ID Number: 03-54-023-00003

Month/Year	Dump Truck Throughput tons	Initials
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
Total		

Note: (1) The CERTIFICATION OF DATA ACCURACY statement appears in Attachment E must be completed within fifteen (15) days of the end of the reporting period.

(2) This record shall be maintained on site for a period of five (5) years from the date of certification. It shall be made available, upon request, to the Director or his (her) authorized representative

ATTACHMENT B

Yearly Throughput for New Coal Truck Unloading Facility

MT. STORM POWER STATION Material Throughput Report
VEPCO – Mt. Storm Power Station
Permit No. R13-2034B
Plant ID Number: 03-54-023-00003

Month/Year	Total Throughput tons	Year-to-Date Throughput tons	Initials
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
Maximum Throughput		**3,000,000 TPY**	

Note: (1) The CERTIFICATION OF DATA ACCURACY statement appears in Attachment E must be completed within fifteen (15) days of the end of the reporting period.

(2) This record shall be maintained on site for a period of five (5) years from the date of certification. It shall be made available, upon request, to the Director or his (her) authorized representative

(3) The Responsible Official shall initial and date each line thereby attesting to the accuracy and completeness of the data recorded therein. The Responsible Official shall initial and date the monthly record within fifteen (15) days of the end of the month of record.

(4) Year-to-Date throughput shall not exceed 3,000,000 tons per year.

ATTACHMENT C

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. .....

---

[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.

APPENDIX A

CAIR Permit Application

CAIR Permit Application

For sources subject to the Clean Air Interstate Rule Trading Programs under 45CSR39, 45CSR40 and 45CSR41, the West Virginia Department of Environmental Protection, Division of Air Quality has prepared this CAIR Permit Application. Please refer to sections 21 and 22 of 45CSR39, 45CSR40 and 45CSR41, as applicable.

This submission is: ☑ New ☐ Revised

STEP 1
Identify the source by plant name, and ORIS or facility code

Plant Name	West Virginia ID Number	ORIS/Facility Code
Mt. Storm Power Station	03-54-023-00003	3954

STEP 2
Enter the unit ID# for each CAIR unit and indicate to which CAIR programs each unit is subject (by placing an "X" in the column)

Unit ID#	NO_x Annual	NO_x Ozone Season	SO_2 Annual
1	X	X	X
2	X	X	X
3	X	X	X

STEP 3
Read the standard requirements and the certification, enter the name of the CAIR designated representative, and sign and date

Standard Requirements

(a) Permit Requirements.

(1) The CAIR designated representative of each CAIR NO_x Annual source, CAIR NO_x Ozone Season source and CAIR SO_2 source (as applicable) required to have a Title V operating permit and each CAIR NO_x Annual unit, CAIR NO_x Ozone Season unit and CAIR SO_2 unit (as applicable) required to have a Title V operating permit at the source shall:

(i) Submit to the Secretary a complete CAIR permit application under 45CSR§39-22, 45CSR§40-22 and 45CSR§41-22 (as applicable) in accordance with the deadlines specified in 45CSR§39-21, 45CSR§40-21 and 45CSR§41-21 (as applicable); and

(ii) Submit in a timely manner any supplemental information that the Secretary determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

(2) The owners and operators of each CAIR NO_x Annual source, CAIR NO_x Ozone Season source and CAIR SO_2 source (as applicable) required to have a Title V operating permit and each CAIR NO_x Annual unit, CAIR NO_x Ozone Season unit and CAIR SO_2 unit (as applicable) required to have a Title V operating permit at the source shall have a CAIR permit issued by the Secretary under sections 20 through 24 of 45CSR39, 45CSR40 and 45CSR41 (as applicable) for the source and operate the source and the unit in compliance with such CAIR permit.

(3) Except as provided in sections 80 through 88 of 45CSR39, 45CSR40 and 45CSR41, the owners and operators of a CAIR NO_x Annual source, CAIR NO_x Ozone Season source and CAIR SO_2 source (as applicable) that is not otherwise required to have a Title V operating permit and each CAIR NO_x Annual unit, CAIR NO_x Ozone Season unit and CAIR SO_2 unit (as applicable) that is not otherwise required to have a Title V operating permit are not required to submit a CAIR permit application and to have a CAIR permit, under sections 20 through 24 of 45CSR39, 45CSR40 and 45CSR41 (as applicable) for such CAIR NO_x Annual source, CAIR NO_x Ozone Season source and CAIR SO_2 source (as applicable) and such CAIR NO_x Annual unit, CAIR NO_x Ozone Season unit and CAIR SO_2 unit (as applicable).

Plant Name: Mt. Storm Power Station

STEP 3, continued

(b) Monitoring, reporting and recordkeeping requirements.

(1) The owners and operators and the CAIR designated representative, of each CAIR NO_X Annual source, CAIR NO_X Ozone Season source and CAIR SO_2 source (as applicable) and each CAIR NO_X Annual unit, CAIR NO_X Ozone Season unit and CAIR SO_2 unit (as applicable) at the source shall comply with the monitoring, reporting and recordkeeping requirements of sections 70 through 75 of 45CSR39, 45CSR40 and 45CSR41 (as applicable).

(2) The emissions measurements recorded and reported in accordance with sections 70 through 75 of 45CSR39, 45CSR40 and 45CSR41 (as applicable) shall be used to determine compliance by each CAIR NO_X Annual source, CAIR NO_X Ozone Season source and CAIR SO_2 source (as applicable) with the CAIR NO_X Annual emissions limitation, CAIR NO_X Ozone Season emissions limitation and CAIR SO_2 emissions limitation (as applicable) under 45CSR§39-6.3, 45CSR§40-6.3 and 45CSR§41-6.3 (as applicable).

(c) Nitrogen oxides annual emissions requirements.

(1) As of the allowance transfer deadline for the 2009 control period and each control period thereafter, the owners and operators of each CAIR NO_X Annual source and each CAIR NO_X Annual unit at the source shall hold, in the source's compliance account, CAIR NO_X Annual allowances available for compliance deductions for the control period under 45CSR§39-54.1 in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_X Annual units at the source, as determined in accordance with sections 70 through 75 of 45CSR39.

(2) A CAIR NO_X Annual unit shall be subject to the requirements under 45CSR§39-6.3.a for the control period starting on the later of January 1, 2009 or the deadline for meeting the unit's monitor certification requirements under subdivisions 70.2.a, 70.2.b, or 70.2.e of 45CSR39, and for each control period thereafter.

(3) A CAIR NO_X Annual allowance shall not be deducted, for compliance with the requirements under 45CSR§39-6.3.a, for the control period in a calendar year before the year for which the CAIR NO_X Annual allowance was allocated.

(4) CAIR NO_X Annual allowances shall be held in, deducted from, or transferred into or among CAIR NO_X Allowance Tracking System accounts in accordance with sections 50 through 62, and 80 through 88 of 45CSR39.

(5) A CAIR NO_X Annual allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO_X Annual Trading Program. No provision of the CAIR NO_X Annual Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 45CSR§39-5 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.

(6) A CAIR NO_X Annual allowance does not constitute a property right.

(7) Upon recordation by the Administrator under sections 40 through 62, and 80 through 88 of 45CSR39, every allocation, transfer, or deduction of a CAIR NO_X Annual allowance to or from a CAIR NO_X Annual source's compliance account is incorporated automatically in any CAIR permit of the source.

(d) Nitrogen oxides ozone season emissions requirements.

(1) As of the allowance transfer deadline for the 2009 ozone season and each ozone season thereafter, the owners and operators of each CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO_X Ozone Season allowances available for compliance deductions for the ozone season under 45CSR§40-54.1 in an amount not less than the tons of total nitrogen oxides emissions for the ozone season from all CAIR NO_X Ozone Season units at the source, as determined in accordance with sections 70 through 75 of 45CSR40.

(2) A CAIR NO_X Ozone Season unit shall be subject to the requirements under 45CSR§40-6.3.a for the ozone season starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under subdivisions 70.2.a, 70.2.b, 70.2.c or 70.2.g of 45CSR40 and for each ozone season thereafter.

(3) A CAIR NO_X Ozone Season allowance shall not be deducted, for compliance with the requirements under 45CSR§40-6.3.a, for an ozone season in a calendar year before the year for which the CAIR NO_X Ozone Season allowance was allocated.

(4) CAIR NO_X Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO_X Ozone Season Allowance Tracking System accounts in accordance with sections 50 through 62, and 80 through 88 of 45CSR40.

(5) A CAIR NO_X Ozone Season allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO_X Ozone Season Trading Program. No provision of the CAIR NO_X Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 45CSR§40-5 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.

(6) A CAIR NO_X Ozone Season allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subdivision 43.3, sections 51 through 57, 60 through 62, and 80 through 88 of 45CSR40, every allocation, transfer, or deduction of a CAIR NO_X Ozone Season allowance to or from a CAIR NO_X Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

(e) Sulfur dioxide annual emission requirements.

(1) As of the allowance transfer deadline for the 2010 control period and each control period thereafter, the owners and operators of each CAIR SO_2 source and each CAIR SO_2 unit at the source shall hold, in the source's compliance account, a tonnage equivalent of CAIR SO_2 allowances available for compliance deductions for the control period, as determined in accordance with subsections 54.1 and 54.2 of 45CSR§41 in an amount not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO_2 units at the source, as determined in accordance with sections 70 through 75 of 45CSR41.

(2) A CAIR SO_2 unit shall be subject to the requirements under 45CSR§41-6.3.a for the control period starting on the later of January 1, 2010 or the deadline for meeting the unit's monitor certification requirements under subdivisions 70.2.a, 70.2.b, or 70.2.e of 45CSR41 and for each control period thereafter.

(3) A CAIR SO_2 allowance shall not be deducted, for compliance with the requirements under 45CSR§41-6.3.a, for a control period in a calendar year before the year for which the CAIR SO_2 allowance was allocated.

(4) CAIR SO_2 allowances shall be held in, deducted from, or transferred into or among CAIR SO_2 Allowance Tracking System accounts in accordance with sections 51through 62, and 80 through 88 of 45CSR41.

(5) A CAIR SO_2 allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO_2 Trading Program. No provision of the CAIR SO_2 Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 45CSR§41-5 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.

(6) A CAIR SO_2 allowance does not constitute a property right.

(7) Upon recordation by the Administrator under sections 51 through 57, 60 through 62, and 80 through 88 of 45CSR41, every allocation, transfer, or deduction of a CAIR SO_2 allowance to or from a CAIR SO_2 source's compliance account is incorporated automatically in any CAIR permit of the source.

STEP 3, continued

(f) Excess emissions requirements.

(1) If a CAIR NO_x Annual source emits nitrogen oxides during any control period in excess of the CAIR NO_x Annual emissions limitation, then:

(i) The owners and operators of the source and each CAIR NO_x Annual unit at the source shall surrender the CAIR NO_x Annual allowances required for deduction under 45CSR§39-54.4.a and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or West Virginia Code §22-5-1 et seq; and

(ii) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 45CSR39, the Clean Air Act, and West Virginia Code §22-5-1 et seq.

(2) If a CAIR NO_x Ozone Season source emits nitrogen oxides during any ozone season in excess of the CAIR NO_x Ozone Season emissions limitation, then:

(i) The owners and operators of the source and each CAIR NO_x Ozone Season unit at the source shall surrender the CAIR NO_x Ozone Season allowances required for deduction under 45CSR§40-54.4.a and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or West Virginia Code §22-5-1 et seq; and

(ii) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 45CSR40, the Clean Air Act, and West Virginia Code §22-5-1 et seq.

(3) If a CAIR SO_2 source emits sulfur dioxide during any control period in excess of the CAIR SO_2 emissions limitation, then:

(i) The owners and operators of the source and each CAIR SO_2 unit at the source shall surrender the CAIR SO_2 allowances required for deduction under 45CSR§41-54.4.a and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or West Virginia Code §22-5-1 et seq; and

(ii) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 45CSR41, the Clean Air Act, and West Virginia Code §22-5-1 et seq.

(g) Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of a CAIR NO_x Annual source, CAIR NO_x Ozone Season source and CAIR SO_2 source (as applicable) and each CAIR NO_x Annual unit, CAIR NO_x Ozone Season unit and CAIR SO_2 unit (as applicable) at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Secretary or the Administrator.

(i) The certificate of representation under 45CSR§39-13, 45CSR§40-13 and 45CSR§41-13 (as applicable) for the CAIR designated representative for the source and each CAIR NO_x Annual unit, CAIR NO_x Ozone Season unit and CAIR SO_2 unit (as applicable) at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 45CSR§39-13, 45CSR§40-13 and 45CSR§41-13 (as applicable) changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with sections 70 through 75 of 45CSR39, 45CSR40 and 45CSR41 (as applicable), provided that to the extent that sections 70 through 75 of 45CSR39, 45CSR40 and 45CSR41 (as applicable) provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Annual Trading Program, CAIR NO_x Ozone Season Trading Program and CAIR SO_2 Trading Program (as applicable).

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO_x Annual Trading Program, CAIR NO_x Ozone Season Trading Program and CAIR SO_2 Trading Program (as applicable) or to demonstrate compliance with the requirements of the CAIR NO_x Annual Trading Program, CAIR NO_x Ozone Season Trading Program and CAIR SO_2 Trading Program (as applicable).

(2) The CAIR designated representative of a CAIR NO_x Annual source, CAIR NO_x Ozone Season source and CAIR SO_2 source (as applicable) and each CAIR NO_x Annual unit, CAIR NO_x Ozone Season unit and CAIR SO_2 unit (as applicable) at the source shall submit the reports required under the CAIR NO_x Annual Trading Program, CAIR NO_x Ozone Season Trading Program and CAIR SO_2 Trading Program (as applicable) including those under sections 70 through 75 of 45CSR39, 45CSR40 and 45CSR41 (as applicable).

(h) Liability.

(1) Each CAIR NO_x Annual source, CAIR NO_x Ozone Season source and CAIR SO_2 source (as applicable) and each NO_x unit, CAIR NO_x Ozone Season unit and CAIR SO_2 unit (as applicable) shall meet the requirements of the CAIR NO_x Annual Trading Program, CAIR NO_x Ozone Season Trading Program and CAIR SO_2 Trading Program (as applicable).

(2) Any provision of the CAIR NO_x Annual Trading Program, CAIR NO_x Ozone Season Trading Program or CAIR SO_2 Trading Program (as applicable) that applies to a CAIR NO_x Annual source, CAIR NO_x Ozone Season source or CAIR SO_2 source (as applicable) or the CAIR designated representative of a CAIR NO_x Annual source, CAIR NO_x Ozone Season source or CAIR SO_2 source (as applicable) shall also apply to the owners and operators of such source and of the CAIR NO_x Annual units, CAIR NO_x Ozone Season units or CAIR SO_2 units (as applicable) at the source.

(3) Any provision of the CAIR NO_x Annual Trading Program, CAIR NO_x Ozone Season Trading Program or CAIR SO_2 Trading Program (as applicable) that applies to a CAIR NO_x Annual unit, CAIR SO_2 unit or CAIR NO_x Ozone Season unit (as applicable) or the CAIR designated representative of a CAIR NO_x Annual unit, CAIR NO_x Ozone Season unit or CAIR SO_2 unit (as applicable) shall also apply to the owners and operators of such unit.

(i) Effect on Other Authorities.

No provision of the CAIR NO_x Annual Trading Program, CAIR NO_x Ozone Season Trading Program and CAIR SO_2 Trading Program (as applicable), a CAIR permit application, a CAIR permit, or an exemption under 45CSR§39-5, 45CSR§40-5, or 45CSR§41-5 (as applicable) shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x Annual source, CAIR NO_x Ozone Season source and CAIR SO_2 source (as applicable) or CAIR NO_x Annual unit, CAIR NO_x Ozone Season unit and CAIR SO_2 unit (as applicable) from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

Plant Name	Mt. Storm Power Station

STEP 3, continued

Certification

I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

CAIR Designated Representative	J. David Rives	
Signature	J. David Rives	Date 06·18·07

APPENDIX B

45CSR2 & 45CSR10 Monitoring Plan

J. David Rives, P.E.
Vice President
Fossil & Hydro

Dominion Generation
Innsbrook Technical Center
5000 Dominion Boulevard, Glen Allen, VA 23060

Dominion®

August 18, 2005

Mr. John A. Benedict
Director
Division of Air Quality
West Virginia Department of Environmental Protection
601 57th Street
Charleston, WV 25304

Re: Update to Monitoring and Recordkeeping Plans for 45 CSR 2A and 45 CSR 10A;
Mt. Storm Power Station, ID 023 0003

Dear Mr. Benedict:

This letter is to advise your office that Dominion has appointed a new facility environmental contact, Kristin D. Edwards, replacing William H. Wilkinson, Jr. for the Interpretive Rules 2A and 10A monitoring plans for the Mt. Storm Power Station. These plans were most recently revised on February 1, 2002, and approved by your office on March 8, 2002. No substantive changes to the plans are necessary.

Please contact Mr. Andy Gates at (804) 273-2950 if you have any questions or need any additional information.

Sincerely,

J. David Rives

45 CSR 2A and 45 CSR 10A
MONITORING AND RECORDKEEPING PLANS
Mt. STORM POWER STATION
February 28, 2001
Revised February 1, 2002

RECEIVED
JUN 17 2005
WV DEP / DIV. OF AIR QUALITY

FACILITY INFORMATION:

Facility Name: Mt. Storm Power Station

Facility ID #: 023 0003

Facility Address: HC #76
Box 430
Mt. Storm, WV, 26739-9711

Facility Environmental Contact:
William H. Wilkinson, Jr.
Senior Environmental Compliance Coordinator

Facility Description:

Dominion Generation's (operator of Virginia Electric and Power Company-owned facilities) Mt. Storm Power Station is a coal-fired electric generating facility with three main combustion units: Units 1 and 2 discharge through a common stack (MS12) and Unit 3 discharges through a dedicated stack (MS3). Mt. Storm Power Station also has an auxiliary boiler (distillate oil-fired), used infrequently for generation of steam, and a combustion turbine (jet fuel-fired), used infrequently for generation of electrical power, which discharge through independent stacks (MS4 and MS5, respectively). All of these units have a design heat input (DHI) greater than 10 mmBtu/hr (i.e.,10^6 Btu/hr) making them subject to the applicable standards of both 45 CSR 2A (Interpretive Rule 45 CSR 2 for stack particulate matter emissions) and 45 CSR 10A (Interpretive Rule 45 CSR 10 for stack sulfur oxide emissions).

The mmBtu/hr DHI rating of these units are as follows:

Unit	Stack	DHI, mmBtu/hr
Unit 1	MS12	5,779
Unit 2	MS12	5,779
Unit 3	MS3	5,824
Auxiliary Boiler	MS4	150
Combustion Turbine	MS5	215.3

The DHI ratings are nominal design values. Actual heat input values may differ.

Electrostatic precipitators (ESPs) are installed on Units 1-3 to control particulate emissions and flue gas desulfurization units (FGDs or SO_2 scrubbers) are installed on Units 1-3 to control emissions of sulfur oxides. SO_2 scrubbers were recently installed on Units 1 and 2 with initial operation occurring on January 7, 2002 and December 18, 2001, respectively. These three scrubbers are installed solely for the purpose of the SO_2 allowance program under Title IV of the Clean Air Act and are not specifically required for compliance with any regulatory requirement.

Continuous SO_2 emission monitoring systems (CEMS) exist on the common stack for Units 1 and 2 and on the Unit 3 stack. We removed the continuous opacity monitoring system (COMS) from Units 1 and 2 common stack after initial startup of the new scrubber on Unit 2 based on DAQ's approval in the letter to Mr. Martin L. Bowling from Mr. John A. Benedict, dated December 4, 2001. We still plan to terminate the Consent Order CO-R2-C-2000-28 dated August 31, 2000, effective after both Unit 1 and Unit 2 scrubbers are deemed acceptable for commercial operation based on DAQ's approval in Mr. Benedict's letter dated December 4, 2001.

In order to qualify for the alternative individual stack emission rates for particulates and sulfur oxides, registration of Mt. Storm Units 1-3 (MS12 and MS3), required by Interpretative Rules 2A and 10A, was originally submitted based on simultaneous stack testing (i.e., tests conducted within seven days of each other). We intend to conduct simultaneous particulate stack testing during the week of February 4, 2002 in order to qualify for this option. Dominion may petition the DAQ Director at a later date for alternative stack SO_2 emission rates.

Revisions of Monitoring Plan

Mt. Storm Power Station reserves the right to periodically revise the conditions of this monitoring plan. Any revised plan will become effective only after approval by the DAQ.

Implementation of Monitoring Plan

Upon approval of this monitoring plan or any subsequent revisions to the plan, a transition period will be necessary to implement any new testing, monitoring, recordkeeping or reporting requirements. While some of these new requirements may be implemented immediately, others may require a significant amount of implementation work (including potentially new

equipment and training of personnel) that may not be undertaken until the plan has been approved by DAQ.

Mt. Storm Power Station therefore requests approval to begin implementation of this revised monitoring plan beginning April 1, 2002, assuming approval by DAQ before by March 1, 2002. This implementation date is necessary in order to revise procedures and provide adequate training to station personnel and it will coincide with the beginning of the Second Quarter 2002 reporting period.

In addition, if the final Monitoring Plan requires significant equipment revisions or installation of new equipment beyond that proposed in this revision, more time may be required.

I. 45 CSR 2A MONITORING PLAN (Stack Particulate Emissions)

In accordance with 45 CSR 2, §8.2, following is the proposed plan for monitoring compliance with the opacity limits set forth under 45 CSR 2 §3 for Units 1 and 2 Common Stack and Unit 3 Stack:

A. Common Stack for Units 1 and 2 (MS12) and Unit 3 Stack (MS3)

1. Applicable Standards (for units with a DHI of 250 mmBtu/hr or greater that are exempt from the use of a COMS under 45 CSR 2A, §6.2b, based on the existing installation of an SO_2 scrubber (with a wet plume) to control emissions of sulfur oxides):

45 CSR 2A, §6.2.b. The Director may exempt a source from the requirements of subdivision 6.2.a if the Director determines that the installation of a COMS would not provide an accurate determination of emissions or that the installation of a COMS may not be implemented by a source due to physical source limitations or to extreme economic reasons. The Director shall require such an exempted source to fulfill alternative emission monitoring and reporting requirements.

45 CSR 2, §3.1. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is greater than ten (10) percent opacity based on a six minute block average.

45 CSR 2, §4.1.a. For Type 'a' fuel burning units, the product of 0.05 and the total design heat inputs for such units in million British Thermal Units (B.T.U.'s) per hour, provided however that no more than twelve hundred (1200) pounds per hour of particulate matter shall be discharged into the open air from all such units;

2. Monitoring Methods

45 CSR 2A, §6.3.a. For sources not utilizing COMS as the method of monitoring compliance with the opacity limit, the approved monitoring plan shall contain at a minimum the following requirements:

45 CSR 2A, §6.3.a.1. Provisions to take Method 9 readings a minimum of once per month per stack during months when the source operated at normal conditions for at least twenty-four (24) consecutive hours and weather/lighting conditions were conducive to taking proper Method 9 readings;

45 CSR 2A, §6.3.a.2. a list of operating parameters to be monitored;

45 CSR 2A, §6.3.a.3. the monitoring method and frequency for each operating parameter to be monitored;

45 CSR 2A, §6.3.a.4. the nominal range for each operating parameter to be monitored;

45 CSR 2A, §6.3.a.5 an explanation of how the operating parameters to be monitored were chosen, and how they are indicative of compliance;

45 CSR 2A, §6.3.a.6. an explanation of how the nominal ranges were chosen;

45 CSR 2A, §6.3.a.7. a schedule for installation and operation of any additional monitoring equipment to be installed for purposes of complying with this rule; and

45 CSR 2A, §6.3.a.8 a response plan to be implemented during excursions which shall include, but not limited to, the following:

45 CSR 2A, §6.3.a.8.A. for excursions of any operating parameter exceeding one hour, the owner or operator shall perform Method 9 readings for a minimum of six (6) minutes for each hour during the excursion. Such Method 9 readings shall continue each hour until four (4) successive six-minute observations demonstrate compliance.

45 CSR 2, §3.2. Compliance with the visible emission requirements of subsection 3.1 shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 or by using measurements from continuous opacity monitoring systems approved by the Director. The Director may require the installation, calibration, maintenance and operation of continuous opacity monitoring systems and may establish policies for the evaluation of continuous opacity monitoring results and the determination of compliance with the visible emission requirements of subsection 3.1. Continuous opacity monitors shall not be required on fuel burning units which employ wet scrubbing systems for emission control.

"Continuous Opacity Monitoring Enforcement Policy", West Virginia Office of Air Quality (Rev. 2/28/97).

Primary Monitoring Method

45 CSR 2A, §6.2.b allows the DEP Director to exempt COMS requirements for fuel burning units that employ wet scrubbing for sulfur dioxide control (like Mt. Storm Units 1-3). DEP Director approval was obtained in a letter to Mr. Martin L. Bowling from Mr. John A. Benedict, dated December 4, 2001.

45 CSR 2A, §6.3.a.1. Method 9 Readings

Mt. Storm Power Station will conduct Method 9 readings a minimum of one-six minute period once per month for Units 1 and 2 Common Stack and for Unit 3 Stack during months when the units are operated at normal conditions for at least twenty-four (24) consecutive hours and weather/lighting conditions are conducive to taking proper Method 9 readings. Method 9 readings will not be conducted during start-up or shutdown periods, unless required by the DEP Director in the future;

45 CSR 2A, §6.3.a.2. Operating Parameters to be Monitored:

Mt. Storm Power Station will use the guidance and methodology provided by the WVDAQ to calculate the potential particulate emissions on a daily basis and use it as the primary operating system parameter. These calculations may be based on, but are not limited to, the following data:

Monitored Parameters

Coal Feed Rate, lbs/hour (calculated)
Gross Generation (Load), MW
Heat Rate, Btu/net KW-hour
Unburned Carbon, percent lbs of flyash
Air Flow Rate, corrected ACFM (calculated)
ESP Temperature, °F
Ambient Temperature, °F
O_2, percent Excess Air
ESP kW, average Kw/hour
ESP Efficiency, percent power (calculated)

Parameters Based on Previous Month's Data

Coal Heating Value, Btu/lb
Coal Ash Content, percent lbs of fuel

Parameter Based on Three Years of Historical Data

Flyash, percent lbs of ash

45 CSR 2A, §6.3.a.3. Monitoring Method and Frequency

(1) The station will generally obtain the following or similar data from the Digital Control System (DCS) from various field devices such as flow measuring equipment, O_2 probe, thermocouples, MW-hour indicator or other sources. Frequency of obtaining data for the monitoring parameters may be either continuous, hourly or some other period.

Coal Feed Rate, lbs/hour (calculated continuously)
Gross Generation, MW-hours (continuous)
Heat Rate, Btu/KW-hour (calculated continuously)
Coal Heating Value, Btu/lb (previous month's lab data, as soon as the complete month's final data are available)
Air Flow Rate, corrected ACFM (calculated continuously)
ESP Temperature, °F (continuous)
Ambient Temperature, °F (continuous)
O_2, percent Excess Air (continuous)

(2) Station personnel will obtain the following data from the Forry Energy Management System, which monitors ESP performance:

ESP KW, average KW/hour (hourly)
ESP Efficiency, percent power (calculated hourly)
Corona Power Density, watts/1000 ACFM (calculated hourly)

(3) Using the data listed above, or some variation thereof, and the guidance and methodology provided by the WVDAQ, station personnel will calculate the potential particulate emissions;

(4) Station personnel will compare potential particulate emissions to regulatory limits;

(5) Station personnel will review the results of the comparison to decide if Method 9 readings should be conducted. If required, the Method 9 readings should include a minimum of four successive six-minute periods to determine compliance with the 10% opacity limit, if weather/lighting conditions are conducive to taking proper Method 9 readings. If all the four successive six-minute readings are in compliance, then no further action is required;

(6) If during unstable operating conditions when four successive six-minute readings contain some six-minute readings below the 10% opacity limit and some six-minute readings above the 10% opacity limit, then station personnel may elect to:

(a) Stop conducting continuous Method 9 readings and instead conduct only one six-minute reading each hour, if weather/lighting conditions are conducive to taking proper Method 9 readings,
(b) Investigate the cause of the unstable conditions and occasional exceedances, and
(c) Resume attempts to obtain four successive six-minute Method 9 readings after stable operating conditions are restored;

(7) If the Method 9 readings are interrupted by a shutdown, station personnel will stop conducting Method 9 readings;

(8) However, if all four successive six-minute periods during the Method 9 opacity readings are greater than the 10% opacity limit based on weather/lighting conditions conducive to taking proper Method 9 readings, station personnel will follow the response plan in §6.3.a.8. below.

45 CSR 2A, §6.3.a.4. Nominal Range of Parameters

The potential emissions and monitoring parameter values in the equations specified by WVDAQ's guidance information will change with variations of the following nominal ranges, typical values and other calculated values:

Coal Feed Rate, lbs/hour (0 – 435,000)
Gross Generation (Load), MW (0 – 560)
Heat Rate, Btu/net KW-hour (9000 – 12000)
ESP Temperature, °F (250 – 310)
Ambient Temperature, °F (-20 – 100)
O_2 , percent Excess Air (3.0 – 10.0)
ESP KW, average KW/hour (100 – 1000)
Coal Heating Value, Btu/lb (typically 12,247)
Ash Content, percent lbs of fuel (typically 15%)
Flyash, percent lbs of ash (typically 80%)
Unburned Carbon, percent lbs of flyash (typically 12%)
Air Flow Rate, corrected ACFM (calculated)
ESP Efficiency, percent power (calculated)
Corona Power Density, watts/1000 ACFM (calculated)

45 CSR 2A, §6.3.a.5 Explanation of Chosen Parameter and how it is Indicative of Compliance

As mentioned above, Mt. Storm Power Station will use the WVDAQ guidance to calculate the potential emissions **The method described in §6.3.a.2 through §6.3.a.4 will be used as a potential indicator that Method 9 opacity readings may need to be conducted. This approach is a trigger mechanism for Method 9 opacity readings and not to be considered as evidence of compliance or non-compliance**

with either opacity or particulate mass emissions limits. Method 9 opacity readings and valid stack tests are the appropriate means to determine compliance or non-compliance with these limits.

45 CSR 2A, §6.3.a.6. Explanation of How Nominal Ranges Were Chosen

The nominal ranges were based on historical data.

45 CSR 2A, §6.3.a.7. Schedule for Installation and Operation of any Additional Monitoring Equipment to be Installed for Purposes of Complying with this Rule

Dominion has not identified any additional equipment to be installed in order to implement this plan. However, we request approval to begin implementation of this monitoring April 1, 2002, assuming approval by DAQ by March 1, 2002. We request this date, in order to revise procedures and provide adequate training to station personnel. Also, April 1 will coincide with the beginning of the Second Quarter 2002 reporting period.

45 CSR 2A, §6.3.a.8 Response Plan to be Implemented During Opacity Excursions:

As a continuation to §6.3.a.3 above, if all four successive six-minute periods during the Method 9 opacity readings are greater than the 10% opacity limit, station personnel will:

(1) Drop load sufficiently to meet the limit,
(2) Continue to conduct Method 9 readings a minimum of one-six minute period each hour during the excursion (weather/lighting conditions being acceptable) until four successive six-minute Method 9 observations demonstrate compliance with the 10% opacity limit,
(3) Investigate and determine the cause of the opacity excursion,
(4) Correct the cause of the opacity excursion,
(5) Restore electrical generation to normal levels,
(6) Document the opacity excursion information for use in the quarterly report and
(7) Call the DAQ immediately for any malfunction which causes any one six-minute exceedance greater than 40% or exceedances lasting more than 30 minutes in a 24-hour period.

3. Recordkeeping

Operating Schedule and Quality/Quantity of Fuel Burned

45 CSR 2A §7.1.a. The owner or operator of a fuel burning unit(s) shall maintain records of the operating schedule, and the quality and quantity of fuel burned in each fuel burning unit as specified in paragraphs 7.1.a.1 through 7.1.a.6, as applicable.

The applicable Standards for Mt. Storm Power Station are the following:

§7.1.a.2: For fuel burning unit(s) which burn only distillate oil, such records shall include, but not be limited to, the date and time of start-up and shutdown, the quantity of fuel consumed on a monthly basis and a BTU analysis for each shipment.

§7.1.a.4: For fuel burning unit(s) which burn only coal, such records shall include, but not be limited to, the date and time of start-up and shutdown, the quantity of fuel consumed on a daily basis and an ash and BTU analysis for each shipment.

§7.1.a.6: For fuel burning unit(s) which burn a combination of fuels, the owner or operator shall comply with the applicable recordkeeping requirements of paragraph 7.1.a.1 through 7.1.a.5 for each fuel burned.

Records of the date and time of each startup and shutdown of Units 1-3 will be maintained.

Records of the quantity of coal burned on a daily basis, as well as the "as-received" ash content and "as-received" Btu content determined by ASTM methods, will also be maintained.

The quantity of fuel oil burned on a monthly basis is calculated from actual facility-wide inventory data and is maintained on a facility-wide basis for Units 1-3, the Auxiliary Boiler and the Combustion Turbine. Calculations provide an estimate of consumption for each of these units based on distribution of the facility-wide consumption data.

4. Record Maintenance

45 CSR 2A §7.1.b. Records of all required monitoring data and support information shall be maintained on-site for a period of at least five (5) years from the date of monitoring, sampling, measurement or reporting. Support information includes all calibration and maintenance records and all strip chart recordings for continuous monitoring instrumentation, and copies of all required reports.

45 CSR 2, §3.4.f. That the owner or operator will install, calibrate, maintain and operate a continuous opacity monitoring system approved by the Director, for the fuel burning unit for which an alternative visible emission standard is proposed,

and will submit the results of such monitoring system to the Director on a calendar monthly basis in a format approved by the Director, provided that this provision shall not apply to fuel burning units which employ wet scrubbing systems for emission control.

Records of all required monitoring data and support information will be maintained on-site for at least five (5) years.

5. Exception Reporting

a. Opacity

45 CSR 2A, §7.2.c. *Non-COMS Based Monitoring - Each owner or operator employing non-COMS based monitoring shall submit a "Monitoring Summary Report" and/or an "Excursion and Monitoring Plan Performance Report" to the Director on a quarterly basis; the Director may, on a case-by-case basis, require more frequent reporting if the Director deems it necessary to accurately assess the compliance status of the fuel burning unit(s). All reports shall be postmarked by the thirtieth (30th) day following the end of each calendar quarter. The Monitoring Summary Report shall be in a format approved by the Director.*

> ***45 CSR 2A, §7.2.c.1.*** *If the total number of excursions for the reporting period is less than one percent (1%) of the total number of readings for the reporting period and the number of readings missing for the reporting period is less than five percent (5%) of the total number of readings agreed upon in the monitoring plan for the reporting period, the Monitoring Summary Report shall be submitted to the Director; the Excursion and Monitoring System Performance report shall be maintained on-site and shall be submitted to the Director upon request.*
>
> ***45 CSR 2A, §7.2.c.2.*** *If the number of excursions for the reporting period is one percent (1%) or greater of the total number of readings for the reporting period or the number of readings missing for the reporting period is five percent (5%) or greater of the total number of readings agreed upon in the monitoring plan for the reporting period, the Monitoring Summary Report and the Excursion and Monitoring Plan Performance Report shall both be submitted to the Director.*
>
> ***45 CSR 2A, §7.2.c.3.*** *The Excursion and Monitoring Plan Performance Report shall be in a format approved by the Director and shall include, but not be limited to, the following information:*
>
> > ***45 CSR 2A, §7.2.c.3.A.*** *The magnitude of each excursion, and the date and time, including starting and ending times, of each excursion;*

45 CSR 2A, §7.2.c.3.B. Specific identification of each excursion that occurs during start-ups, shutdowns, and malfunctions of the facility.

45 CSR 2A, §7.2.c.3.C. The nature and cause of any excursion (if known), and the corrective action taken and preventative measures adopted (if any).

45 CSR 2A, §7.2.c.3.D. The date and time identifying each period during which data is unavailable, and the reason for data unavailability and the corrective action taken; and.

45 CSR 2A, §7.2.c.3.E. When no excursions have occurred or there were no periods of data unavailability, such information shall be stated in the report.

45 CSR 2A, §7.2.d. To the extent that an excursion is due to a malfunction, the reporting requirements in section 9 of 45 CSR 2 shall be followed.

*"**Continuous Opacity Monitoring Enforcement Policy**", West Virginia Office of Air Quality (Rev. 2/28/97).*

Mt. Storm Power Station will (1) comply with the exception reporting requirements for non-COMS based monitoring specified under 45 CSR 2A, §7.2.c, (2) develop and submit a draft Excursion and Monitoring Plan Performance Report for the Director's approval based on Second Quarter 2002 Method 9 data and (3) submit a "Monitoring Summary Report" and/or an "Excursion and Monitoring Plan Performance Report" to the Director on a quarterly basis.

To the extent that an excursion is due to a malfunction, the reporting requirements in 45 CSR 2, §9 will be followed.

b. Particulate Mass Emissions

45 CSR 2A, §7.2.a. With respect to excursions associated with measured emissions under Section 4 of 45 CSR 2, compliance with the reporting and testing requirements under the Appendix to 45 CSR 2 shall fulfill the requirement for a periodic exception report under subdivision 8.3.b. or 45 CSR 2.

45 CSR 2A, §4.1. The owner or operator shall conduct periodic simultaneous weight emission tests of all similar fuel burning units at each source, except where the owner or operator registers allowable emission rates for individual stacks in accordance with subsection 4.2 of this rule. The frequency and performance of periodic simultaneous weight emission tests shall conform to the provisions of subsection 5.2.

45 CSR 2A, §2.5. "Simultaneous" means that all compliance test runs for all similar fuel burning units at the plant are conducted within a seven (7) day period.

45 CSR 2A, §5.2.a. Weight Emission Testing. The owner or operator shall periodically conduct or have conducted, weight emission tests to determine the compliance of each fuel stack with the weight emission standards set forth in section 4 of 45CSR2. Weight emission tests shall be conducted in accordance with 45CSR2 Appendix "Compliance Test Procedures for 45CSR2" or other equivalent EPA approved method approved by the Director. The baseline compliance test shall be conducted within a time period starting twelve (12) months prior to and ending twelve (12) months after the effective date of this interpretive rule for existing fuel burning unit(s) and within one hundred eighty (180) days of start-up for new fuel burning unit(s). The weight emission test results of the baseline test shall establish the weight emission testing cycle to be used for subsequent testing. Weight emission tests shall be conducted at a frequency established in the following tables:

Baseline Weight Emission Test Results	*Resulting Testing Cycle*
≥50% of weight emission standard	*Cycle 3*
Between 50% and 80% of weight emission standard	*Cycle 2*
≥80% of weight emission standard	*Cycle 1*

Mt. Storm Power Station will comply with the reporting and testing requirements specified under 45 CSR 2A, §4.1, §2.5 and §5.2.a and the Appendix to 45 CSR 2 applicable to Units 1 and 2. The station will conduct simultaneous weight emission tests with Units 1-3 within a seven-day period to ensure the station qualifies for the alternative stack emission rate in accordance with 45 CSR 2§4.2, 45 CSR 2A§4.2 and Appendix B of 45 CSR 2A.

C. Auxiliary Boiler (MS4) and Combustion Turbine (MS5)

1. Applicable Standard

45 CSR 2, §3.1. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is greater than ten (10) percent opacity based on a six minute block average.

45 CSR 2, §4.1.b. For Type 'a' fuel burning units, the product of 0.09 and the total design heat inputs for such units in million British Thermal Units (B.T.U.'s) per hour, provided however that no more than twelve hundred (600) pounds per hour of particulate matter shall be discharged into the open air from all such units;

2. **Monitoring Method:**

45 CSR 2, §6.2.a. The owner or operator of a fuel burning unit(s) with a DHI of 250 mmBTU/hr or greater shall use a COMS to satisfy the requirements of an approved monitoring plan, except where:

Pursuant to 45 CSR 2, §6.2.a, the Mt. Storm Auxiliary Boiler (MS4) and Combustion Turbine (MS5) are exempt from COMS requirements based on the DHI of the Auxiliary Boiler at 150 mmBTU/hr and the Combustion Turbine at 215.3 mmBTU/hr.

The purpose of the Auxiliary Boiler is to provide steam during emergency conditions when no other boiler is operational. It is also tested monthly and bi-monthly to ensure its operability. The purpose of the Combustion Turbine is to provide emergency back up electrical power when no other generator or outside electrical supply is operational or available. It is tested bimonthly to ensure its operability. It is also available for system dispatch during extreme peaking power demands (and was only called for once in this capacity for a couple hours during 2000).

Primary Monitoring Method
Mt. Storm Power Station will conduct Method 9 readings one time per month on each stack, four successive six-minute periods, provided the following conditions are met: 1) The Auxiliary Boiler or the Combustion Turbine has operated at normal, stable load conditions for at least 24 consecutive hours and 2) weather/lighting conditions are conducive to taking proper Method 9 readings.

3. **Recordkeeping**

a. **Operating Schedule and Quality/Quantity of Fuel Burned**

45 CSR 2A §7.1.a. The owner or operator of a fuel burning unit(s) shall maintain records of the operating schedule, and the quality and quantity of fuel burned in each fuel burning unit as specified in paragraphs 7.1.a.1 through 7.1.a.6, as applicable.

§7.1.a.2: For fuel burning unit(s) which burn only distillate oil, such records shall include, but not be limited to, the date and time of start-up and

shutdown, the quantity of fuel consumed on a monthly basis and a BTU analysis for each shipment.

Mt. Storm Power Station will maintain records of the date and time of each startup and shutdown of the Auxiliary Boiler and Combustion Turbine.

The quantity of fuel oil burned on a monthly basis is calculated from actual facility-wide inventory data and is maintained on a facility-wide basis for Units 1-3, the Auxiliary Boiler and the Combustion Turbine. Calculations provide an estimate of consumption for each of these units based on distribution of the facility-wide consumption data.

b. **Record Maintenance**

45 CSR 2A §7.1.b. Records of all required monitoring data and support information shall be maintained on-site for a period of at least five (5) years from the date of monitoring, sampling, measurement or reporting. Support information includes all calibration and maintenance records and all strip chart recordings for continuous monitoring instrumentation, and copies of all required reports.

Records of all required monitoring data and support information will be maintained on-site for at least five (5) years.

4. Exception Reporting

a. **Opacity**

As an alternative to the exception reporting requirements for opacity emissions from the Auxiliary Boiler or Combustion Turbine, Mt. Storm Power Station will maintain a copy of each properly conducted Method 9 evaluation performed (correct weather/lighting conditions, etc.). Any properly conducted Method 9 test which indicates an exceedance shall be postmarked to the DAQ on a quarterly basis (within 30 days of the end of the quarter) along with an accompanying description of the excursion cause, any corrective action taken, and the beginning and ending times for the excursion.

To the extent that an excursion is due to a malfunction, the reporting requirements in 45 CSR 2, §9 will be followed.

A report to the DAQ will be submitted even if no exceptions have occurred during the quarter. This will include periods in which no method 9 tests were conducted (e.g. unit out of service) or when no fuel oil was received.

b. **Particulate Mass Emissions**

No mass emission tests will be conducted for either the Auxiliary Boiler or Combustion Turbine based on (1) the DHI of the Auxiliary Boiler at 150 mmBTU/hr and the Combustion Turbine at 215.3 mmBTU/hr and (2) infrequent use.

II. 45 CSR 10A MONITORING PLAN (Stack Sulfur Oxide Emissions)

In accordance with 45 CSR 10 §8.2.c, the plan for monitoring compliance with the sulfur dioxide weight emission standards expressed in Section 3 of that rule follows:

A. Common Stack (MS12) and Unit 3 Stack (MS3)

1. Applicable Standard

45 CSR 10, §3.1.d. *For fuel burning units of the Mt. Storm Plant of Virginia Electric and Power Company, located in Air Quality Control Region VII, the product of 2.7 and the total design heat inputs for such units discharging through those stacks in million BTU's per hour.*

45 CSR 10, §3.8. *Compliance with the allowable sulfur dioxide emission limitations from fuel burning units shall be based on continuous twenty-four (24) hour averaging time...A continuous twenty-four (24) hour period is defined as one (1) calendar day.*

45 CSR 10, §3.4.a. *Unless otherwise approved by the Director, the maximum allowable emission rate for an individual stack shall not exceed by more than twenty-five percent (25%) the emission rate determined by prorating the total allowable emission rate specified in subsections 3.1, 3.2, or 3.3, on the basis of individual unit heat input at design capacity for all fuel burning units discharging through that stack.*

2. Monitoring Method

45 CSR 10, §8.2.c.1. *The installation, operation and maintenance of a continuous monitoring system meeting the requirements 40 CFR Part 60, Appendix B, Performance Specification 2 (PS2) or Performance Specification 7 (PS7) shall be deemed to fulfill the requirements of a monitoring plan for a fuel burning unit(s), manufacturing process source(s) or combustion source(s). CEMS meeting the requirements of 40 CFR Part 75 (Acid Rain) will be deemed to have satisfied the requirements of PS2.*

a. **Primary Monitoring Method:** The primary method of monitoring SO_2 mass emissions from MS12 and MS3 will be Continuous Emissions Monitors (CEMS). Data used in evaluating the performance of the Mt. Storm Power Station Units 1-3 with the applicable standard will be unbiased, unsubstituted data as specified in definition 45 CSR 10A, §6.1.b.1. We submit that data capture of more than 50% constitute sufficient data for the daily mass emissions to be considered valid. The CEMS are installed, maintained and operated in compliance with requirements of 40 CFR Part 75.

b. **Other Credible Monitoring Methods:** While Mt. Storm Power Station will use CEMS as the primary method of monitoring SO_2 mass emissions of the stack CS012, we are also reserving the right to use ASTM compliant fuel sampling and analysis or any other appropriate method that would produce credible data. These "other monitoring methods" will generally be used in the absence of CEMS data or as other credible evidence used in conjunction with CEMS data.

3. Recordkeeping

a. Operating Schedule and Quality/Quantity of Fuel Burned:

45 CSR 10A, §7.1.a. *Fuel burning units - The owner or operator of a fuel burning unit(s) shall maintain records of the operating schedule and the quality or quantity of fuel burned in each unit...*

45 CSR 10A, §7.1.c. *The owner or operator of a fuel burning unit or combustion source which utilizes CEMS shall be exempt from the provisions of subdivision 7.1.a. or 7.1.b, respectively.*

Pursuant to the exemption under 45 CSR 10A, §7.1.c, Mt. Storm Power Station will not be required to maintain records of the operating schedule and the quality and quantity of fuel burned in each unit for purposes of meeting the requirements for a monitoring plan under 45 CSR 10. While fuel sampling and analysis may continue to be performed at this facility, it will be done at the discretion of the owner/operator and is not required by this monitoring plan for the purposes of indicating compliance with SO_2 standards.

b. Record Maintenance

45 CSR 10A, §7.1.d. *For fuel burning units, manufacturing process sources, and combustion sources, records of all required monitoring data as*

established in an approved monitoring plan and support information shall be maintained on-site for a period of at least five (5) years from the date of monitoring, sampling, measurement or reporting. Support information includes all calibration and maintenance records and all strip chart recordings for continuous monitoring instrumentation, and copies of all required reports.

CEMS records at Mt. Storm Power Station will be maintained for at least five (5) years.

4. Exception Reporting

45 CSR 10A, §7.2.a. *CEMS - Each owner or operator employing CEMS for an approved monitoring plan, shall submit a "CEMS Summary Report" and/or a "CEMS Excursion and Monitoring System Performance Report" to the Director quarterly; the Director may, on a case-by-case basis, require more frequent reporting if the Director deems it necessary to accurately assess the compliance status of the source. All reports shall be postmarked by the thirtieth (30th) day following the end of each calendar quarter. The CEMS Summary Report shall contain the information and be in the format shown in Appendix A unless otherwise specified by the Director.*

45 CSR 10A, §7.2.a.1. *Submittal of 40 CFR Part 75 data in electronic data (EDR) format to the Director shall be deemed to satisfy the requirements of subdivision 7.2.a.*

Mt. Storm Power Station will submit quarterly the CEMS Summary Report and the CEMS Excursion and Monitoring System Performance Report to the DAQ. The reports will be postmarked to the DAQ within 30 days of the end of the quarter. When no excursions of the 24-hour SO_2 standard have occurred, such information shall be stated in the cover letter of the EDR submittal.

Note: The station may petition the DAQ Director pursuant to 45 CSR 10§3.4.b for an alternative individual stack allowable SO_2 emission rate in accordance with the 45 CSR 10A registration.

B. <u>Auxiliary Boiler (MS4) and Combustion Turbine (MS5)</u>

1. Applicable Standard

45 CSR 10, §3.1.e. *For type 'b' and Type 'c' fuel burning units, the product of 3.1 and the total design heat inputs for such units discharging through those stacks in million BTU's per hour.*

45 CSR 10, §3.8. Compliance with the allowable sulfur dioxide emission limitations from fuel burning units shall be based on continuous twenty-four (24) hour averaging time...A continuous twenty-four (24) hour period is defined as one (1) calendar day.

2. Monitoring, Recordkeeping, Exception Reporting Requirements

45 CSR 10, §10.3. The owner or operator of a fuel burning unit(s) which combusts natural gas, wood or distillate oil, alone or in combination, shall be exempt from the requirements of section 8.

Pursuant to 45 CSR 10, §10.3, the Mt. Storm Auxiliary Boiler (MS4) and Combustion Turbine (MS5) are exempt from Testing, Monitoring, Recordkeeping, and Reporting requirements found in 45 CSR 10, §8 because the Auxiliary Boiler combusts only distillate oil and the Combustion Turbine combusts only jet fuel. 45 CSR 10, §8 also contains the requirement for the development of a monitoring plan. The simple nature of burning distillate oil results in an SO_2 emission rate well below the standard.

While fuel sampling and analysis may be performed at this facility, it will be done at the discretion of the owner/operator and is not required by this monitoring plan for the purposes of indicating compliance with SO_2 standards.

APPENDIX C

Acid Rain Permit

west virginia department of environmental protection
Division of Air Quality

Phase II Acid Rain Permit

Plant Name: **Mount Storm Power Station**		Permit #: **R33-3954-2012-3**
Affected Unit(s): **1, 2, 3**		
Operator: **Virginia Electric and Power Company**		ORIS Code: **3954**
Effective Date	From: **January 1, 2008**	To: **December 31, 2012**

Contents:

1. Statement of Basis.
2. SO_2 allowances allocated under this permit and NO_x requirements for each affected unit.
3. Comments, notes and justifications regarding permit decisions and changes made to permit application forms during the review process, and any additional requirements or conditions.
4. The permit application forms submitted for this source, as corrected by the West Virginia Division of Air Quality. The owners and operators of the source must comply with the standard requirements and special provisions set forth in the application.

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1. Statement of Basis

Statutory and Regulatory Authorities: In accordance with W. Va. Code §22-5-4(a)(16) and Titles IV and V of the Clean Air Act, the West Virginia Department of Environmental Protection, Division of Air Quality issues this permit pursuant to 45CSR33 and 45CSR30.

Permit Approval

John A. Benedict, Director
Division of Air Quality

12-18-07
Date

Plant Name: **Mount Storm Power Station**	Permit #: **R33-3954-2012-3**

2. SO_2 Allocations and NO_x Requirements for each affected unit

Unit No.	**1**

SO_2 Allowances	**Year**				
	2008	**2009**	**2010**	**2011**	**2012**
Table 2 allowances, as adjusted by 40CFR Part 73	18855*	18855*	18887	18887	18887
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

The number of allowances actually held by an affected source in a unit account may differ from the number allocated by U.S. EPA. The aforementioned condition does not necessitate a revision to the unit SO_2 allowance allocations identified in this permit (See 40 CFR §72.84). **Note: 2008 and 2009 allowances are the sum of Column "(B)" and Column "(C)" of Table 2 of 40CFR§73.10.*

NO_X Requirements	**2008**	**2009**	**2010**	**2011**	**2012**
NO_X Limit (lb/mmBtu)	0.45	0.45	0.45	0.45	0.45

Pursuant to 40 CFR Part 76 and 45CSR33, the West Virginia Department of Environmental Protection, Division of Air Quality approves a NO_x emissions compliance plan for this unit effective for calendar years 2008, 2009, 2010, 2011 and 2012. Under this plan the unit's actual annual average NO_x emission rate shall not exceed the applicable limitation of 0.45 lb/mmBtu as set forth in 40 CFR §76.5(a)(1) for Group I, Phase I tangentially fired boilers

In addition to the described NO_x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR Part 76, including the duty to reapply for a NO_x compliance plan and requirements covering excess emissions.

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

As a result of comments from American Electric Power, the 2008 and 2009 SO_2 allowances have been adjusted to reflect an October 30, 2000 reallocation of allowances by USEPA. The 2008 and 2009 allowances are the sum of Column "(B)" and Column "(C)" of Table 2 of 40CFR§73.10.

4. Permit application forms:

Attached.

Plant Name: **Mount Storm Power Station**	Permit #: **R33-3954-2012-3**

2. SO_2 Allocations and NO_x Requirements for each affected unit

Unit No.	**2**

SO_2 Allowances	Year				
	2008	**2009**	**2010**	**2011**	**2012**
Table 2 allowances, as adjusted by 40CFR Part 73	17688*	17688*	17718	17718	17718
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

The number of allowances actually held by an affected source in a unit account may differ from the number allocated by U.S. EPA. The aforementioned condition does not necessitate a revision to the unit SO_2 allowance allocations identified in this permit (See 40 CFR §72.84). **Note: 2008 and 2009 allowances are the sum of Column "(B)" and Column "(C)" of Table 2 of 40CFR§73.10.*

NO_X Requirements	2008	2009	2010	2011	2012
NO_X Limit (lb/mmBtu)	0.45	0.45	0.45	0.45	0.45

Pursuant to 40 CFR Part 76 and 45CSR33, the West Virginia Department of Environmental Protection, Division of Air Quality approves a NO_x emissions compliance plan for this unit effective for calendar years 2008, 2009, 2010, 2011 and 2012. Under this plan the unit's actual annual average NO_x emission rate shall not exceed the applicable limitation of 0.45 lb/mmBtu as set forth in 40 CFR §76.5(a)(1) for Group I, Phase I tangentially fired boilers

In addition to the described NO_x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR Part 76, including the duty to reapply for a NO_x compliance plan and requirements covering excess emissions.

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

As a result of comments from American Electric Power, the 2008 and 2009 SO_2 allowances have been adjusted to reflect an October 30, 2000 reallocation of allowances by USEPA. The 2008 and 2009 allowances are the sum of Column "(B)" and Column "(C)" of Table 2 of 40CFR§73.10.

4. Permit application forms:

Attached.

Plant Name: **Mount Storm Power Station**	Permit #: **R33-3954-2012-3**

2. SO_2 Allocations and NO_x Requirements for each affected unit

Unit No. 3

SO_2 Allowances	Year				
	2008	2009	2010	2011	2012
Table 2 allowances, as adjusted by 40CFR Part 73	18296*	18296*	18327	18327	18327
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

The number of allowances actually held by an affected source in a unit account may differ from the number allocated by U.S. EPA. The aforementioned condition does not necessitate a revision to the unit SO_2 allowance allocations identified in this permit (See 40 CFR §72.84). **Note: 2008 and 2009 allowances are the sum of Column "(B)" and Column "(C)" of Table 2 of 40CFR§73.10.*

NO_X Requirements	2008	2009	2010	2011	2012
NO_X Limit (lb/mmBtu)	0.45	0.45	0.45	0.45	0.45

Pursuant to 40 CFR Part 76 and 45CSR33, the West Virginia Department of Environmental Protection, Division of Air Quality approves a NO_x emissions compliance plan for this unit effective for calendar years 2008, 2009, 2010, 2011 and 2012. Under this plan the unit's actual annual average NO_x emission rate shall not exceed the applicable limitation of 0.45 lb/mmBtu as set forth in 40 CFR §76.5(a)(1) for Group I, Phase I tangentially fired boilers

In addition to the described NO_x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR Part 76, including the duty to reapply for a NO_x compliance plan and requirements covering excess emissions.

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

As a result of comments from American Electric Power, the 2008 and 2009 SO_2 allowances have been adjusted to reflect an October 30, 2000 reallocation of allowances by USEPA. The 2008 and 2009 allowances are the sum of Column "(B)" and Column "(C)" of Table 2 of 40CFR§73.10.

4. Permit application forms:

Attached

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258

Acid Rain Permit Application

For more information, see instructions and refer to 40 CFR 72.30 and 72.31

This submission is: ☐ New ☒ Revised

STEP 1

Identify the source by plant name, State, and ORIS code.

Plant Name	State	ORIS Code
Mt. Storm Power Station	WV	3954

STEP 2

Enter the unit ID# for every affected unit at the affected source in column "a." For new units, enter the requested information in columns "c" and "d."

a	b	c	d
Unit ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)	New Units Commence Operation Date	New Units Monitor Certification Deadline
1	Yes		
2	Yes		
3	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		

Mt. Storm Power Station
Plant Name (from Step 1)

STEP 3

Read the standard requirements

Permit Requirements

(1) The designated representative of each affected source and each affected unit at the source shall:
(i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
(2) The owners and operators of each affected source and each affected unit at the source shall:
(i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
(ii) Have an Acid Rain Permit.

Monitoring Requirements

(1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.
(2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
(3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

(1) The owners and operators of each source and each affected unit at the source shall:
(i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)), or in the compliance subaccount of another affected unit at the same source to the extent provided in 40 CFR 73.35(b)(3), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
(ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
(2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
(3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
(i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
(ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).
(4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
(5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
(6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
(7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

STEP 3, Cont'd.

Nitrogen Oxides Requirements The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

(1) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
(2) The owners and operators of an affected unit that has excess emissions in any calendar year shall:
(i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
(ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

(1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting
authority:
(i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
(ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
(iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
(2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

(1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
(2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
(3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
(4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.

Plant Name (from Step 1)	Mt. Storm Power Station

Step 3, Cont'd.

Liability, Cont'd.

(5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
(6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
(7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:
(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
(2) Limiting the number of allowances a unit can hold; *provided,* that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;
(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4

Read the certification statement, sign, and date

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	J. David Rives	
Signature	J. David Rives	Date 06-26-07

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258

Phase II NO_x Compliance Plan

For more information, see instructions and refer to 40 CFR 76.9

This submission is: ☐ New ☒ Revised

STEP 1
Indicate plant name, State, and ORIS code from NADB, if applicable

Plant Name	State	ORIS Code
Mt. Storm Power Station	WV	3954

STEP 2

Identify each affected Group 1 and Group 2 boiler using the boiler ID# from NADB, if applicable. Indicate boiler type: "CB" for cell burner, "CY" for cyclone, "DBW" for dry bottom wall-fired, "T" for tangentially fired, "V" for vertically fired, and "WB" for wet bottom. Indicate the compliance option selected for each unit.

	ID# 1	ID# 2	ID# 3	ID#	ID#	ID#
	Type T	Type T	Type T	Type	Type	Type
(a) Standard annual average emission limitation of 0.50 lb/mmBtu (for Phase I dry bottom wall-fired boilers)	☐	☐	☐	☐	☐	☐
(b) Standard annual average emission limitation of 0.45 lb/mmBtu (for Phase I tangentially fired boilers)	☒	☒	☒	☐	☐	☐
(c) EPA-approved early election plan under 40 CFR 76.8 through 12/31/07 (also indicate above emission limit specified in plan)	☐	☐	☐	☐	☐	☐
(d) Standard annual average emission limitation of 0.46 lb/mmBtu (for Phase II dry bottom wall-fired boilers)	☐	☐	☐	☐	☐	☐
(e) Standard annual average emission limitation of 0.40 lb/mmBtu (for Phase II tangentially fired boilers)	☐	☐	☐	☐	☐	☐
(f) Standard annual average emission limitation of 0.68 lb/mmBtu (for cell burner boilers)	☐	☐	☐	☐	☐	☐
(g) Standard annual average emission limitation of 0.86 lb/mmBtu (for cyclone boilers)	☐	☐	☐	☐	☐	☐
(h) Standard annual average emission limitation of 0.80 lb/mmBtu (for vertically fired boilers)	☐	☐	☐	☐	☐	☐
(i) Standard annual average emission limitation of 0.84 lb/mmBtu (for wet bottom boilers)	☐	☐	☐	☐	☐	☐
(j) NO_x Averaging Plan (include NO_x Averaging form)	☐	☐	☐	☐	☐	☐
(k) Common stack pursuant to 40 CFR 75.17(a)(2)(i)(A) (check the standard emission limitation box above for most stringent limitation applicable to any unit utilizing stack)	☒	☒	☐	☐	☐	☐
(l) Common stack pursuant to 40 CFR 75.17(a)(2)(i)(B) with NO_x Averaging (check the NO_x Averaging Plan box and include NO_x Averaging form)	☐	☐	☐	☐	☐	☐

Mt. Storm Power Station
Plant Name (from Step 1)

STEP 2, cont'd.

	ID# 1 / Type T	ID# 2 / Type T	ID# 3 / Type T	ID# / Type	ID# / Type	ID# / Type
(m) EPA-approved common stack apportionment method pursuant to 40 CFR 75.17 (a)(2)(i)(C), (a)(2)(iii)(B), or (b)(2)	☐	☐	☐	☐	☐	☐
(n) AEL (include Phase II AEL Demonstration Period, Final AEL Petition, or AEL Renewal form as appropriate)	☐	☐	☐	☐	☐	☐
(o) Petition for AEL demonstration period or final AEL under review by U.S. EPA or demonstration period ongoing	☐	☐	☐	☐	☐	☐
(p) Repowering extension plan approved or under review	☐	☐	☐	☐	☐	☐

STEP 3
Read the standard requirements and certification, enter the name of the designated representative, sign &

Standard Requirements

General. This source is subject to the standard requirements in 40 CFR 72.9 (consistent with 40 CFR 76.8(e)(1)(i)). These requirements are listed in this source's Acid Rain Permit.

Special Provisions for Early Election Units

Nitrogen Oxides. A unit that is governed by an approved early election plan shall be subject to an emissions limitation for NO_x as provided under 40 CFR 76.8(a)(2) except as provided under 40 CFR 76.8(e)(3)(iii).
Liability. The owners and operators of a unit governed by an approved early election plan shall be liable for any violation of the plan or 40 CFR 76.8 at that unit. The owners and operators shall be liable, beginning January 1, 2000, for fulfilling the obligations specified in 40 CFR Part 77.
Termination. An approved early election plan shall be in effect only until the earlier of January 1, 2008 or January 1 of the calendar year for which a termination of the plan takes effect. If the designated representative of the unit under an approved early election plan fails to demonstrate compliance with the applicable emissions limitation under 40 CFR 76.5 for any year during the period beginning January 1 of the first year the early election takes effect and ending December 31, 2007, the permitting authority will terminate the plan. The termination will take effect beginning January 1 of the year after the year for which there is a failure to demonstrate compliance, and the designated representative may not submit a new early election plan. The designated representative of the unit under an approved early election plan may terminate the plan any year prior to 2008 but may not submit a new early election plan. In order to terminate the plan, the designated representative must submit a notice under 40 CFR 72.40(d) by January 1 of the year for which the termination is to take effect. If an early election plan is terminated any year prior to 2000, the unit shall meet, beginning January 1, 2000, the applicable emissions limitation for NO_x for Phase II units with Group 1 boilers under 40 CFR 76.7. If an early election plan is terminated on or after 2000, the unit shall meet, beginning on the effective date of the termination, the applicable emissions limitation for NO_x for Phase II units with Group 1 boilers under 40 CFR 76.7.

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name J. David Rives	
Signature J. David Rives	Date 06-26-07

APPENDIX D

Federal Consent Decree
(Effective Date October 10, 2003)