West Virginia Department of Environmental Protection
Division of Air Quality

Joe Manchin, III
Governor

Randy C. Huffman
Cabinet Secretary

Permit to Operate

Pursuant to

Title V

of the Clean Air Act

Issued to:

Ohio Power Company
Mitchell Plant
R30-05100005-2009

John A. Benedict
Director

Issued: April 21, 2009 • Effective: May 5, 2009
Expiration: April 21, 2014 • Renewal Application Due: October 21, 2013

Permit Number: **R30-05100005-2009 AA01 ~~(MM01)~~**
Permittee: **Ohio Power Company (d.b.a. American Electric Power)**
Facility Name: **Mitchell Plant**
Permittee Mailing Address: **1 Riverside Plaza, Columbus, Ohio 43215-2373**

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:	Cresap/Moundsville, Marshall County, West Virginia
Facility Mailing Address:	Post Office Box K, Moundsville, West Virginia 26041
Telephone Number:	(304) 843-6000
Type of Business Entity:	Corporation
Facility Description:	Electric Generation Service
SIC Codes:	Primary 4911; Secondary N/A; Tertiary N/A
UTM Coordinates:	516.00 km Easting • 4409.00 km Northing • Zone 17

Permit Writer: Denton B. McDerment

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.

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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 [1]	Design Capacity [2]	Control Device [3]
Boiler & Associated Equipment					
Unit 1	1E	Boiler: Foster Wheeler, Model # 2-85-303	1971	7020 mmBtu/hr	High efficiency ESP, LNB, SCR, FGD
Unit 2	2E	Boiler: Foster Wheeler, Model # 2-85-304	1971	7020 mmBtu/hr	High efficiency ESP, LNB, SCR, FGD
Aux 1	Aux ML1	Boiler: Foster Wheeler, Model # SD-25	1970	663 mmBtu/hr	N/A
Coal & Ash Handling					
BU	BU	Barge Unloader (unload barge onto Conveyor R1	1971	4,000 TPH	WS, PE, MC
Station R1	Sta-R1	Conveyor R1 and drop points to Conveyor R2	1971	3,000 TPH	FE, MC
C-R2	C-R2	Conveyor R2 (transfer to Station R2)	1971	3,000 TPH	WS, PE, MC
RCU	RCU	Rail Car Unloader (unload rail cars to feeders R6-1, R6-2 and R6-3)	April, 1974	3,000 TPH	WS, MC
R6-1, R6-2, R6-3	R6-1, R6-2, R6-3	Feeders R6-1, R6-2, R6-3 (transfer points to Conveyor R7)	April 1974	1,400 TPH	PE, MC
C-R7	C-R7	Conveyor R7 (transfer to Station R2)	April 1974	3,000 TPH	WS, PE, MC
Station R2	Sta-R2	Drop point to coal crusher or conveyor R3	April 1974	N/A	FE, MC
CR-R2	CR-R2	Coal Crusher	1971	2,500 TPH	FE, MC
C-R3	C-R3	Conveyor R3 (transfer to Station R3)	1971	3,000 TPH	PE, MC
Station R3	Sta-R3	Drop point to conveyor R4 or R11	1971	N/A	FE, MC
C-R11	C-R11	Conveyor R11 (transfer to radial portable Conveyor R12)	1971	3,000 TPH	PE, MC
C-R12	C-R12	Radial Portable Conveyor R12 (transfer to temporary storage pile)	1971	3,000 TPH	MC
C-R4	C-R4	Conveyor R4 (transfer to Station R4)	1971	3,000 TPH	PE, MC
Station R4	Sta-R4	Drop point to Sample System and Conveyor R5; and/or Conveyor R8	1971	N/A	FE, MC
C-R8	C-R8	Conveyor R8 (transfer to Radial Stacker Conveyor R9)	April 1974	3,000 TPH	PE, MC
C-R9	C-R9	Radial Stacker Conveyor R9 (transfer to North Yard Storage Pile – Station R7)	April 1974	3,000 TPH	MC

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed [1]	Design Capacity [2]	Control Device [3]
Station R7	Sta-R7	Drop point from North Yard Storage Pile through Crusher R7-1 to Feeder Conveyor BFR7-1	April 1974	N/A	FE, MC
CR-R7-1	CR-R7-1	Coal Crusher	April 1974	1,000 TPH	FE, MC
BFR7-1	BFR7-1	Feeder BFR7-1 (transfer to Conveyor R10)	April 1974	1,100 TPH	FE, MC
C-R10	C-R10	Conveyor R10 (transfer to truck load out and Station R4)	April 1974	1,100 TPH	PE, MC
C-R5	C-R5	Conveyor R5 (transfer to Drive Tower S1)	1971	3,000 TPH	PE, MC
Drive Tower S1	Drive Tower S1	Drop point to Conveyor R6	1971	N/A	FE, MC
C-R6	C-R6	Conveyor R6 (transfer to Station 2)	1971	3,000 TPH	PE, MC
Station 2	Sta-2	Drop point to Radial Stacker Conveyor 2	1969	N/A	FE, MC
RS-2	RS-2	Radial Stacker 2 (transfer to surge pile)	1969	4,000 TPH	WS, MC
Station 1A	Sta-1A	Drop point from frozen coal storage area 4 through crusher CR-1A to Conveyor 1A	1969	N/A	FE, MC
CR-1A	CR-1A	Coal Crusher	1969	1,000 TPH	FE, MC
C-1A	C-1A	Conveyor 1A (transfer to Station 1B)	1969	1,100 TPH	PE, MC
Station 1B	Sta-1B	Drop point to Conveyor 1	1969	N/A	FE, MC
C-1	C-1	Conveyor 1 (transfer to Station 2)	1969	2,600 TPH	PE, MC
CSA-1	CSA-1	Coal Storage Area #1 (Surge Pile)	1969	Approx 40 Acres	MC
CSA-2	CSA-2	Coal Storage Area #2 (North Yard Storage Pile)	April 1974	Approx 40 Acres	MC
CSA-3	CSA-3	Coal Storage Area #3 (Temporary Storage Pile at R3)		Approx 6 Acres	MC
CSA-4	CSA-4	Coal Storage Area #4 (conveyor from 1B)	1969	Included in CSA-1	MC
SGM1 through SGM16	SGM1 through SGM16	Reclaim Hoppers/Vibratory Feeders (Reclaim Area #1 surge pile) transfers to Conveyors 3A, 3B and 3C	1969	300 TPH each	FE, MC
C-3A	C-3A	Conveyor 3A (transfer to Station 3B)	1969	1,100 TPH	FE, MC
Station 3B	Sta-3B	Drop point to Conveyor 3B	1969	N/A	FE, MC
C-3B	C-3B	Conveyor 3B (transfer to Station 3)	1969	1,100 TPH	FE, MC
C-3C	C-3C	Conveyor 3C (transfer to Station 3)	1969	1,100 TPH	FE, MC
Station 3	Sta-3	Drop point to Conveyors 4E and/or 4W	1969	N/A	FE, MC
C-4E/C-4W	C-4E/C-4W	Conveyors 4E and 4W (transfer to Station 4)	1969	1,100 TPH each	PE, MC
Station 4	Sta-4	Drop point to Sample System, Conveyor 7E and/or 7W, and Conveyor 5 or Emergency Conveyors E25 through E21	1969	N/A	FE, MC
C-7E/C-7W	C-7E/C-7W	Conveyors 7E and 7W (transfer to Station 5)	1969	1,100 TPH each	PE, MC

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed [1]	Design Capacity [2]	Control Device [3]
C-5	C5	Conveyor 5 (transfer to Unit 2 coal silos 3, 4 or 5 and to Conveyor 6)	1969	1,100 TPH	FE, MC
C-6	C-6	Conveyor 6 (transfer to Unit 2 coal silos 1 or 2)	1969	1,100 TPH	FE, MC
C-E25 through C-E21	C-E25 through C-E21	Emergency conveyors E25 through E21 (used in an emergency to transfer coal into Unit 2 coal silos)	1969	500 TPH each	MC
Station 5	Sta-5	Drop point to Conveyor 8 or Emergency Conveyors E11 through E15	1969	N/A	FE, MC
C-8	C-8	Conveyor 8 (transfer to Unit 1 coal silos 3, 4, or 5 and to Conveyor 9)	1969	1,100 TPH	FE, MC
C-9	C-9	Conveyor 9 (transfer to Unit 1 coal silos 1 or 2)	1969	1,100 TPH	FE, MC
C-E11 through C-E15	C-E11 through C-E15	Emergency conveyors E11 through E15 (used in an emergency to transfer coal into Unit 1 coal silos)	1969	500 TPH	MC
~~Ash Handling System~~	~~Ash Handling System~~	~~The Ash Handling System at Mitchell Plant is a wet system.~~		~~N/A~~	~~Wet System~~
Fly Ash Material Handling					
Haul Roads	Haul Roads	Fly Ash Material Haul Roads and Landfill	N/A	N/A	Water Truck
ME-1A	EP-1	Unit 1 Mechanical Exhauster 1A	2012	N/A	Filter/ Separator
ME-1B	EP-2	Unit 1 Mechanical Exhauster 1B	2012	N/A	Filter/ Separator
ME-1C (spare)	EP-3	Unit 1 Mechanical Exhauster 1C	2012	N/A	Filter/ Separator
ME-2A	EP-4	Unit 2 Mechanical Exhauster 2A	2012	N/A	Filter/ Separator
ME-2B	EP-5	Unit 2 Mechanical Exhauster 2B	2012	N/A	Filter/ Separator
ME-2C (spare)	EP-6	Unit 2 Mechanical Exhauster 2C	2012	N/A	Filter/ Separator
FAS-A	EP-7	Fly Ash Silo A	2012	2,160 tons	BVF-A
FAS-B	EP-8	Fly Ash Silo B	2012	2,160 tons	BVF-B
FAS-C	EP-9	Fly Ash Silo C	2012	2,160 tons	BVF-C
WFA-AA	F-1	Transfer conditioned fly ash from Fly Ash Silo A to Truck via Pin/Paddle Mixer	2012	360 tph	MC
WFA-BA	F-2	Transfer conditioned fly ash from Fly Ash Silo B to Truck via Pin/Paddle Mixer	2012	360 tph	MC
WFA-CA	F-3	Transfer conditioned fly ash from Fly Ash Silo C to Truck via Pin/Paddle Mixer	2012	360 tph	MC
WFA-AB (spare)	F-4	Transfer conditioned fly ash from Fly Ash Silo A to Truck via Pin/Paddle Mixer	2012	360 tph	MC
WFA-BB (spare)	F-5	Transfer conditioned fly ash from Fly Ash Silo B to Truck via Pin/Paddle Mixer	2012	360 tph	MC

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed [1]	Design Capacity [2]	Control Device [3]
WFA-CB (spare)	F-6	Transfer conditioned fly ash from Fly Ash Silo C to Truck via Pin/Paddle Mixer	2012	360 tph	MC
TC-A	EP-10, F-7	Transfer dry fly ash from Fly Ash Silo A to Truck via Telescopic Chute	2012	300 tph	TC
TC-B	EP-11, F-8	Transfer dry fly ash from Fly Ash Silo B to Truck via Telescopic Chute	2012	300 tph	TC
TC-C	EP-12, F-9	Transfer dry fly ash from Fly Ash Silo C to Truck via Telescopic Chute	2012	300 tph	TC
1S – Limestone Material Handling					
BUN-1	BUN-1 (Fugitive)	Limestone Unloading Crane	2006	1,000 TPH	None
RH-1	RH-1 (Fugitive)	Limestone Unloading Hopper	2006	60 Tons	WS, PE
VF-1	VF-1 (Fugitive)	Limestone Unloading Feeder	2006	750 TPH	FE
BC-1	BC-1 (Fugitive)	Limestone Dock/Connecting Conveyor	2006	750 TPH	PE
TH-1	TH-1 (Fugitive)	Limestone Transfer House #1	2006	750 TPH	FE
BC-2	BC-2 (Fugitive)	Limestone Storage Pile Stacking Conveyor	2006	750 TPH	PE
LSSP	LSSP (Fugitive)	Limestone Active/Long-Term Stockpile	2006	41,300 Tons	None
2S – Gypsum Material Handling					
BC-8	BC-8 (Fugitive)	Vacuum Collecting Conveyor	2007	200 TPH	PE
TH-3	TH-3 (Fugitive)	Gypsum Transfer House #3	2007	200 TPH	FE
BC-9	BC-9 (Fugitive)	Connecting Conveyor	2007	200 TPH	PE
TH-4	TH-4 (Fugitive)	Gypsum Transfer House #4	2007	200 TPH	FE
BC-10	BC-10 (Fugitive)	Connecting Conveyor	2007	200 TPH	PE
TH-5	TH-5 (Fugitive)	Gypsum Transfer House #5	2007	200 TPH	FE
BC-11	BC-11 (Fugitive)	Connecting Conveyor	2007	200 TPH	PE
TH-6	TH-6 (Fugitive)	Gypsum Transfer House #6	2007	200 TPH	FE
BC-12	BC-12 (Fugitive)	Stacking Tripper Conveyor	2007	200 TPH	PE
GSP	GSP (Fugitive)	Gypsum Stockpile	2007	15,600 tons	FE

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed [1]	Design Capacity [2]	Control Device [3]
PSR-1	PSR-1 (Fugitive)	Traveling Portal Scraper Reclaimer	2007	1,000 TPH	FE
BC-14	BC-14 Fugitive)	Reclaim Conveyor	2007	1,000 TPH	PE
TH-7	TH-7 (Fugitive)	Transfer House #7	2007	1,000 TPH	FE
BC-13	BC-13 (Fugitive)	Bypass Conveyor	2007	200 TPH	PE
BC-15	BC-15 (Fugitive)	Connecting Conveyor	2007	1,000 TPH	PE
TH-1	TH-1 (Fugitive)	Transfer House #1	2007	1,000 TPH	FE
BC-16	BC-16 (Fugitive)	Transfer Conveyor	2007	1,000 TPH	PE
BL-1	BL-1 (Fugitive)	Barge Loader	2007	1,000 TPH	PE
BC-14	BC-14 (Fugitive)	Reclaim Conveyor Extension	2007	1,000 TPH	PE
TH-8	TH-8 (Fugitive)	Transfer House 8	2007	1,000 TPH	FE
BC-19	BC-19 (Fugitive)	Transfer Conveyor	2007	1,000 TPH	PE
TH-9	TH-9 (Fugitive)	Transfer House 9	2007	1,000 TPH	FE
BC-20	BC-20 (Fugitive)	Transfer Conveyor to 20	2007	1,000 TPH	PE
TH-10	TH-10 (Fugitive)	Transfer House 10	2007	1,000 TPH	FE
BC-21	BC-21 (Fugitive)	Transfer Conveyor to 21	2007	1,000 TPH	PE
BUN-1	BUN-1 (Fugitive)	Clamshell Unloading Crane	2007	1,000 TPH	
RH-4	RH-4 (Fugitive)	Gypsum Unloading Hopper	2007	30 tons	WS, PE
RP-1	RP-1 (Fugitive)	Gypsum Rotary Plow	2007	750 TPH	FE
BC-17	BC-17 (Fugitive)	Dock/Connecting Conveyor	2007	750 TPH	PE
TH-7	TH-7 (Fugitive)	Transfer House #7	2007	750 TPH	FE
BC-18	BC-18 (Fugitive)	Bypass Conveyor	2007	750 TPH	PE
TH-6	TH-6 (Fugitive)	Transfer House #6	2007	750 TPH	FE
3S – Limestone Mineral Processing					

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed [1]	Design Capacity [2]	Control Device [3]
VF-2	VF-2 (Fugitive)	Limestone Reclaim Feeder 2	2007	750 TPH	FE
VF-3	VF-3 (Fugitive)	Limestone Reclaim Feeder 3	2007	750 TPH	FE
BC-3	BC-3 (Fugitive)	Limestone Tunnel Reclaim Conveyor	2007	750 TPH	PE
FB-1	FB-1 (Fugitive)	Emergency Limestone Reclaim Feeder/Breaker	2007	750 TPH	
TH-2	TH-2 (Fugitive)	Limestone Transfer House 2	2007	750 TPH	FE
BC-4	BC-4 (Fugitive)	Limestone Silo A Feed Conveyor	2007	750 TPH	PE
BC-5	BC-5 (Fugitive)	Limestone Silo B Feed Conveyor	2007	750 TPH	PE
BC-6	BC-6 (Fugitive)	Limestone Silo C Feed Conveyor (future)	2007	750 TPH	PE
LSB-1	6E	Limestone Silo A	2007	900 Tons	BH
LSB-2	7E	Limestone Silo B	2007	900 Tons	BH
LSB-3	8E	Limestone Silo C (future)	2007	900 Tons	BH
	(Fugitive)	Vibrating Bin Discharger (one per silo)	2007	68.4 TPH	FE
LSWF-1 LSWF-2 LSWF-3	LSWF-1 (Fugitive) LSWF-2 (Fugitive) LSWF-3 (Fugitive)	Limestone Weigh Feeder (one per silo)	2007	68.4 TPH	FE
	(Fugitive)	Wet Ball Mill (one per silo)	2007	68.4 TPH	FE
4S – Dry Sorbent Material Handling					
	(Fugitive)	Truck Unloading Connection (2)	2007	25 TPH	FE
DSSB 1	10E	Dry Sorbent Storage Silo #1	2007	500 TPH	BH, FE
DSSB 2	11E	Dry Sorbent Storage Silo #2	2007	500 TPH	BH, FE
	(Fugitive)	Aeration Distribution Bins	2007	4.6 TPH	FE
	(Fugitive)	De-aeration Bins	2007	4.6 TPH	FE
	(Fugitive)	Rotary Feeder	2007	4.6 TPH	FE
5S – Coal Blending System					
HTS-1	HTS-1 (Fugitive)	Transfer House #1	2007	3,000 TPH	FE
HSC-1	HSC-1 (Fugitive)	Stacking Conveyor #1	2007	3,000 TPH	PE
HTS-2A	HTS-2A (Fugitive)	Transfer House #2A	2007	3,000 TPH	FE
HSC-2	HSC-2 (Fugitive)	Stacking Conveyor #2	2007	3,000 TPH	PE

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed [1]	Design Capacity [2]	Control Device [3]
HTS-3	HTS-3 (Fugitive)	Transfer House #3	2007	3,000 TPH	FE
HSC-3	HSC-3 (Fugitive)	Stacking Conveyor #3	2007	3,000 TPH	PE
SH-1	SH-1 (Fugitive)	Stacking Hopper SH-1 Transfer to SC-3 (receive coal from plant radial stacker R9)	2007	3,000 TPH	FE
HSC-3 to High Sulfur Pile (CSA-2, existing)	HSC-3 to High Sulfur Pile (Fugitive) (CSA-2, existing)	Transfer from Stacking Conveyor HSC-3 to High Sulfur Pile at existing North Yard Storage Area (CSA-2)	2007	3,000 TPH	Stacking Tube
HVF-1	HVF-1 (Fugitive)	Coal Reclaim Feeder 1	2007	800 TPH	FE
HVF-2	HVF-2 (Fugitive)	Coal Reclaim Feeder 2	2007	800 TPH	FE
HVF-3	HVF-3 (Fugitive)	Coal Reclaim Feeder 3	2007	800 TPH	FE
HVF-4	HVF-4 (Fugitive)	Coal Reclaim Feeder 4	2007	800 TPH	FE
HVF-1 through HVF-4 to HRC-1 (Transfer)	HVF-1 through HVF-4 to HRC-1 (Fugitive) (Transfer)	Transfer from Vibrating Feeders HVF-1 through HVF-4 to Reclaim Conveyor HRC-1	2007	1,600 TPH	FE
HRC-1	HRC-1 (Fugitive)	Coal Tunnel Reclaim Conveyor	2007	1,600 TPH	PE
HTS-2B	HTS-2B (Fugitive)	Coal Transfer House #2B	2007	1,600 TPH	FE
HRC-2	HRC-2 (Fugitive)	Reclaim Conveyor #2	2007	1,600 TPH	PE
HTS-4	HTS-4 (Fugitive)	Coal Transfer House #4	2007	1,600 TPH	FE
HRC-3	HRC-3 (Fugitive)	Reclaim Conveyor #3	2007	1,600 TPH	PE
HTS-5	HTS-5 (Fugitive)	Coal Transfer House #5	2007	1,600 TPH	FE
SB-1	SB-1 (Fugitive)	Surge Bin #1	2007	80 Tons	FE
HBF-1A	HBF-1A (Fugitive)	Belt Feeder 1A	2007	800 TPH	PE
HBF-1B	HBF-1B (Fugitive)	Belt Feeder 1B	2007	800 TPH	PE
HBF-1A/1B to BF-4E/4W	HBF-1A/1B to BF-4E/4W (Fugitive)	Transfer from Belt Feeders HBF-1A and HBF-1B to Existing Coal Conveyors 4E and 4W	2007	1,600 TPH	FE

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed [1]	Design Capacity [2]	Control Device [3]
6S, 7S – Emergency Quench Water System					
6S	15E	Diesel Engine on Quench Pump #1	2007[1]	60 HP (approx.)	FE
7S	16E	Diesel Engine on Quench Pump #2	2007[2]	60 HP (approx.)	FE
9S – Magnesium Hydroxide Material Handling System					
MHM-1	MHM-1	Magnesium Hydroxide Mix Tank #1	2007	1,000 Gal.	N/A
MHM-2	MHM-2	Magnesium Hydroxide Mix Tank #2	2007	1,000 Gal.	N/A
11S – Wastewater Treatment Material Handling					
	Fugitive	Truck Unloading Connection (2)	2007	25 TPH	FE
	24E	Lime Storage Silo #1	2007	100 TPH	BH, FE
	25E	Lime Storage Silo #2	2007	100 TPH	BH, FE
	Fugitive	Wastewater Treatment Cake Stockpile	2007	3,600 Tons	Building Enclosure
FB-2	Fugitive	Filter Cake Feeder/Breaker	2007	600 TPH	PE
BC-22	Fugitive	Transfer Conveyor 22	2007	600 TPH	PE
TH-12	Fugitive	Transfer House #12	2007	600 TPH	PE
Tank #1	Tank #1	Ignition Oil Tank – S. of U1 Cooling Tower	~1975	1,500,000 Gal.	N/A
Tank #2	Tank #2	Ignition Oil Tank – N. of U2 Cooling Tower	1971	500,000 Gal.	N/A
Tank #3	Tank #3	Ignition Oil Tank – N. of U2 Cooling Tower	1971	500,000 Gal.	N/A
Tank #4	Tank #4	Used Oil Tank – S. of U1 Cooling Tower	Relocated ~2004	1,000 Gal.	N/A
Tank #5	Tank #5	Used Oil Tank – Tractor Shed	~2000	500 Gal.	N/A
Tank #6	Tank #6	Sulfuric Acid Tank – W. of Units 1&2	1971	15,000 Gal.	N/A
Tank #7	Tank #7	Ammonium Hydroxide Tank – W. of Units 1&2	1971	4,750 Gal.	N/A
Tank #8	Tank #8	Diethylene Glycol Tank – N. of Station R-4	~2002	500 Gal.	N/A
Tank #9	Tank #9	Diethylene Glycol Tank – Station 3	~2002	300 Gal.	N/A
Tank #10	Tank #10	Diethylene Glycol Tank – Station R-4	~2002	300 Gal.	N/A
Tank #11	Tank #11	No.2 Fuel Oil Tank – Coal Transfer Station #3	2007	1,000 Gal.	N/A
Tank #12	Tank #12	No.2 Fuel Oil Tank – Coal Transfer Station R-2	~2004	3,000 Gal.	N/A
Tank #13	Tank #13	No.2 Fuel Oil Tank – Coal Transfer Station R-4	~2004	3,000 Gal.	N/A
Tank #14	Tank #14	No.2 Fuel Oil Tank – Drain Receiver Tank	1969	400 Gal.	N/A
Tank #15	Tank #15	Gasoline Tank – Main Plant Entrance	1991	8,000 Gal.	N/A
Tank #16	Tank #16	Diesel Fuel Tank – Tractor Shed	1991	10,000 Gal.	N/A
Tank #17	Tank #17	Turbine Oil Tank – U1	1971	~14,000 Gal.	N/A
Tank #18	Tank #18	Turbine Oil Tank – U2	1971	~14,000 Gal.	N/A

[1] Construction *commenced* (as defined in 40 C.F.R. §63.2) on or about June 14, 2004 for engine 6S.
[2] Construction *commenced* (as defined in 40 C.F.R. §63.2) on or about June 14, 2004 for engine 7S.

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed [1]	Design Capacity [2]	Control Device [3]
Tank #19	Tank #19	Lube Oil Tank – U1	1971	~20,000 Gal.	N/A
Tank #20	Tank #20	Lube Oil Tank – U2	1971	~18,000 Gal.	N/A
Tank #21	Tank #21	Chemical Cleaning Solution Tank	1989	1,000,000 Gal.	N/A
Tank #22	Tank #22	EHC System Oil Tank – U1	1971	200 Gal.	N/A
Tank #23	Tank #23	New Lube Oil Tank – U1	1971	1,000 Gal.	N/A
Tank #24	Tank #24	Used Oil Bulk Tank – U1	~2002	275 Gal.	N/A
Tank #25	Tank #25	EHC System Oil Tank – U2	1971	625 Gal.	N/A
Tank #26	Tank #26	New Lube Oil Tank – U2	1971	1,000 Gal.	N/A
Tank #27	Tank #27	Used Oil Bulk Tank – U2	~2002	275 Gal.	N/A
Tank #28	Tank #28	Diesel Fire Pump Fuel Tank – U1	1971	275 Gal.	N/A
Tank #29	Tank #29	Diesel Fire Pump Fuel Tank – U2	1971	275 Gal.	N/A
Tank #30	Tank #30	3 Compartment Oil Tank – Tractor Shed Oil Room	~1995	920 Gal.	N/A
Tank #31	Tank #31	Single Compartment Oil Tank – Tractor Shed	~1995	560 Gal.	N/A
Tank #32	Tank #32	Waste Oil Tank – Tractor Shed Oil Room	~2000	500 Gal.	
Tank #33	Tank #33	Urea Receiving Hopper	2007	45 tons	FE
Tank #34	Tank #34	No.2 Fuel Oil Tank – Drain Receiver Tank – overflow tank	2001	1,000 Gal.	N/A
Tank #35	Tank #35	TK103-100 Urea Solution Storage Tank	2007	200,000 Gal.	N/A
Tank #36	Tank #36	TK102-100 Urea Mix Tank	2007	2,700 Gal.	N/A
Tank #37	Tank #37	CPS Lime Slurry Tank #1	2007	750 Gal.	N/A
Tank #38	Tank #38	CPS Lime Slurry Tank #2	2007	750 Gal.	N/A
Tank #39	Tank #39	CPS Equalization Tank #1	2007	254,513 Gal.	N/A
Tank #40	Tank #40	CPS Equalization Tank #2	2007	254,513 Gal.	N/A
Tank #41	Tank #41	CPS Ferric Chloride Mix Tank #1	2007	9,200 Gal.	N/A
Tank #42	Tank #42	CPS Ferric Chloride Mix Tank #2	2007	9,200 Gal.	N/A
Tank #43	Tank #43	CPS Ferric Chloride Bulk Storage Tank	2007	8,800 Gal.	N/A
Tank #44	Tank #44	CPS Acid Bulk Storage Tank	2007	10,575 Gal.	N/A
Tank #45	Tank #45	CPS Polymer Totes (2)	2007	225 Gal. (each)	N/A
Tank #46	Tank #46	Emergency Quench Pump #1 Diesel Tank	2007	70 Gal.	N/A
Tank #47	Tank #47	Emergency Quench Pump #2 Diesel Tank	2007	70 Gal.	N/A
Tank #48	Tank #48	Aux. Boiler Collection Tank Return UST	2006	500 Gal.	N/A
Tank #49	Tank #49	No. 2 Fuel Tank – SW Corner of CSA-2	2008	2000 Gal.	N/A

[1] "Year Installed" reflects the "commenced" construction or modification date as defined in 40 C.F.R. Part 60.

[2] Rated Design Capacity

[3] Control Device/Control System abbreviations: ESP = Electrostatic Precipitators, LNB = Low NOx Burners, SCR = Selective Catalytic Reduction, FGD = Flue Gas Desulfurization, FE = Full enclosure, PE = Partial Enclosure, BH = Baghouse(s), MC = Moisture Content, WS = Wetting Spray, TC = Telescopic Chute, BVF = Bin Vent Filter, TS = Vacuum/Pressure Transfer Stations, N/A = Not applicable

1.2. Active R13, R14, and R19 Permits

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

Permit Number	Date of Issuance
R13-2608B	March 9, 2012

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. Reserved.

3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11.
[45CSR§11-5.2]

3.1.7. **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)]

3.1.8. **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]

3.1.9. **Risk Management Plan.** Should this stationary source, as defined in 40 C.F.R. § 68.3, become subject to Part 68, then the owner or operator shall submit a risk management plan (RMP) by the date specified in 40 C.F.R. § 68.10 and 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]

3.1.10. Reserved.

3.1.11. Reserved.

3.1.12. **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.

d. Flue Gas Desulfurization (FGD) and Selective Catalytic Reduction (SCR) material handling systems.

[45CSR§2-5; 45CSR13, R13-2608, 4.1.18.]

3.1.13. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed within Emission Groups 1S, 2S, 3S, 4S, 5S, 6S, 7S, 9S, and 11S in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR13, R13-2608, 4.1.25; 45CSR§13-5.11.]

3.1.14. **CAIR NO_x Annual Trading Program (*UNIT 1 and UNIT 2*).** The permittee shall comply with the standard requirements set forth in the attached CAIR Permit Application (see Appendix F) 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.; State-Enforceable only.]

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.; State-Enforceable only.]

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.; State-Enforceable only.]

3.1.15. **CAIR NO_x Ozone Season Trading Program (*UNIT 1, UNIT 2, and AUX 1*).** The permittee shall comply with the standard requirements set forth in the attached CAIR Permit Application (see Appendix F) 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.; State-Enforceable only.]

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.; State-Enforceable only.]

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.; State-Enforceable only.]

3.1.16. **CAIR SO_2Trading Program (*UNIT 1 and UNIT 2*).** The permittee shall comply with the standard requirements set forth in the attached CAIR Permit Application (see Appendix F) 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.; State-Enforceable only.]

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.; State-Enforceable only.]

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.; State-Enforceable only.]

3.2. Testing Requirements

3.2.1. **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 3.2.1.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 3.4.1; 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) and 45CSR13]

3.3. Recordkeeping Requirements

3.3.1. **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, R13-2608, 4.4.1.]

3.3.2. **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.]

3.3.3. **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.]

3.3.4. 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 weekly from May 1 through September 30 and monthly from October 1 through April 30 to ensure that they are operated as necessary and maintained in good working order. 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 weekly and/or monthly inspections, the times the fugitive dust control system(s) were inoperable and any corrective actions taken.
[45CSR§30-5.1.c.]

3.3.5. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed within Emission Groups 1S, 2S, 3S, 4S, 5S, 6S, 7S, 9S, and 11S in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[45CSR13, R13-2608, 4.4.2.]

3.3.6. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed within Emission Groups 1S, 2S, 3S, 4S, 5S, 6S, 7S, 9S, and 11S in Section 1.0, 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, R13-2608, 4.4.3.]

3.4. Reporting Requirements

3.4.1. **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.]

3.4.2. 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.]

3.4.3. 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:	**If to the US EPA:**
Director WVDEP Division of Air Quality	Associate Director Office of Air Enforcement and Compliance Assistance (3AP20)

601 57th Street SE
Charleston, WV 25304

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

U. S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

3.4.4. **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.]**

3.4.5. **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.]**

3.4.6. **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.]**

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

3.4.8. **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.]

3.4.9. **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. Compliance Plan

3.5.1. There is no compliance plan since a responsible official certified compliance with all applicable requirements in the Title V renewal application.

3.6. Permit Shield

3.6.1. 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.

3.6.2. 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.

a. **45CSR5 – *To Prevent and Control Air Pollution from the Operation of Coal Preparation Plants, Coal Handling Operations and Coal Refuse Disposal Areas***
Since the facility is subject to 45CSR2, according to 45CSR§5-2.4.b. the facility is not included in the definition of a "Coal Preparation Plant". Therefore, 45CSR5 does not apply to the facility, and particularly to its coal crushing operations and associated coal handling.

b. **45CSR7 – *To Prevent and Control Particulate Matter Air Pollution from Manufacturing Processes and Associated Operations***
Since the facility is subject to 45CSR2, 45CSR§7-10.1. provides an exemption from 45CSR7.

c. **45CSR17 – *To Prevent and Control Particulate Matter Air Pollution from Material Handling, Preparation, Storage and Other Sources of Fugitive Particulate Matter***
The facility is characterized by the handling and storage of materials that have the potential to produce fugitive particulate if not properly controlled. However, since the facility is subject to 45CSR2, it is not subject to this rule in accordance with the exemption granted in 45CSR§17-6.1.

d. **40 C.F.R. 60 Subpart D – *Standards of Performance for Fossil-fuel-fired Steam Generators for which Construction is Commenced after August 17, 1971***
The fossil-fuel-fired steam generators potentially affected by this rule have not commenced construction or modification after August 17, 1971. Therefore, the units do not meet the applicability criteria under §60.40(c), and hence the NSPS does not apply.

e. **40 C.F.R. 60 Subpart Da – *Standards of Performance for Electric Utility Steam Generating Units for which Construction is Commenced After September 18, 1978***
The electric utility steam generating units potentially affected by this rule have not commenced construction or modification after September 18, 1978. Therefore, the units do not meet the applicability criteria under §60.40Da(a)(2), and hence the NSPS does not apply.

f. **40 C.F.R. 60 Subpart Db - *Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units***
According to §60.40b(a), this rule applies to each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 100 MMBtu/hr. The electric utility steam generating units potentially affected by this rule have not commenced construction or modification after June 19, 1984; therefore, the NSPS does not apply.

g. **40 C.F.R. 60 Subpart K - *Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978***
The facility does not include storage vessels that are used to store petroleum liquids (as defined in 40 C.F.R. §60.111(b)) and that have a storage capacity greater than 40,000 gallons for which construction, reconstruction or modification was commenced after June 11, 1973 and prior to May 19, 1978. Therefore, the tanks do not meet the applicability criteria under §60.110, and hence the NSPS does not apply.

h. **40 C.F.R. 60 Subpart Ka - *Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984***
The facility does not include storage vessels that are used to store petroleum liquids (as defined in 40 C.F.R. §60.111a(b)) and that have a storage capacity greater than 40,000 gallons for which construction, reconstruction or modification was commenced after May 18, 1978 and prior to July 23, 1984. Therefore, the tanks do not meet the applicability criteria under §60.110a(a), and hence the NSPS does not apply.

i. **40 C.F.R. 60 Subpart Kb - *Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984***
Storage vessels potentially affected by this rule are exempted because they contain liquids with a maximum true vapor pressure of less than 3.5 kPa, have a storage capacity of less than 40 cubic meters, or have not commenced construction, reconstruction or modification after July 23, 1984. Therefore, the tanks do not meet the applicability criteria under §60.110b, and hence the NSPS does not apply.

j. **40 C.F.R. 60 Subpart Y – *Standards of Performance for Coal Preparation Plants***
The coal handling equipment potentially affected by this rule has not been constructed or modified after October 24, 1974. Therefore, the equipment does not meet the applicability criteria set forth in 40 C.F.R. §60.250(b), and hence this NSPS does not apply.

k. **40 C.F.R. 63 Subpart Q – *National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers***
This facility does not include *industrial process cooling towers* that have operated with chromium-based water treatment chemicals on or after September 8, 1994. Therefore, the facility does not meet the applicability criteria set forth in §63.400(a), and hence this MACT does not apply to the facility.

l. **Condition 4.3.1. of Permit R13-2608B**
Condition 4.3.1. of R13-2608B sets out the performance testing requirements under 40 C.F.R. Part 60 Subpart OOO. The permittee stated in correspondence (3/04/2009 email with comments on pre-draft renewal permit) that this testing has been performed, and the test report was submitted to DAQ on June 26, 2007. Since this requirement has been fulfilled, and there are no ongoing requirements within this condition, it will not be included in the Title V renewal.

4.0 Source-Specific Requirements [Main Boilers – Em. Unit IDs *Unit 1* and *Unit 2* – Em. Pt. IDs *1E* and *2E*; Auxiliary Boiler – Em. Unit ID *Aux 1* – Em. Pt. ID *Aux ML1*]

4.1. Limitations and Standards

4.1.1. Emergency Operating Scenarios

a. In the event of an unavoidable shortage of fuel having characteristics or specifications necessary to comply with the visible emission requirements or any emergency situation or condition creating a threat to public safety or welfare, the Secretary may grant an exemption to the otherwise applicable visible emission standards for a period not to exceed fifteen (15) days, provided that visible emissions during that period do not exceed a maximum six (6) minute average of thirty (30) percent and that a reasonable demonstration is made by the owner or operator that the weight emission requirements will not be exceeded during the exemption period.
[45CSR§2-10.1.]

b. Due to unavoidable malfunction of equipment or inadvertent fuel shortages, SO_2 emissions from the main boilers and auxiliary boiler exceeding those provided for in 45CSR§§10-3.1.b. and 3.1.e., respectively, may be permitted by the Secretary for periods not to exceed ten (10) days upon specific application to the Secretary. Such application shall be made within twenty-four (24) hours of the equipment malfunction or fuel shortage. In cases of major equipment failure or extended shortages of conforming fuels, additional time periods may be granted by the Secretary, provided a corrective program has been submitted by the owner or operator and approved by the Secretary.
[45CSR§10-9.1.]

4.1.2. **Thermal Decomposition Of Boiler Cleaning Solutions**
The thermal decomposition of boiler cleaning solutions is permitted upon notification to the Secretary, provided that records are maintained which show that the solutions are non-hazardous materials and that the combustion of such solutions does not produce hazardous compounds or emissions. Such records 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. See Appendix D.
[WVDAQ Letter dated September 3, 2002 addressed to Mr. Greg Wooten and signed by Jesse D. Adkins - State-Enforceable only]

4.1.3. 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.]

Unit 1 & Unit 2 Steam Generators (Em. Pt. IDs: 1E, 2E)

Visible Emissions and Particulate Matter

4.1.4. Visible Emissions from Unit 1 & 2 stacks shall not exceed ten (10) percent opacity based on a six minute block average.
[45CSR§2-3.1.]

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

4.1.6. Particulate matter emissions from Unit 1 & 2 stacks shall not exceed 702 lb/hr. The averaging time shall be the arithmetic average of three (3) complete sampling runs consisting of a minimum total sampling time of two (2) hours per run.
[45CSR§2-4.1.a.; 45CSR2-Appendix §§ 4.1.b. & 4.1.c.]

Sulfur Dioxide (SO_2)

4.1.7. Sulfur dioxide emissions from Unit 1 and Unit 2 stacks (Em. Pt. IDs: 1E, 2E) shall not exceed a heat input weighted average of 1.2 lb/mmBtu SO_2 on a 3-hour block average basis, with SO_2 mass emissions not to exceed an average of 20,485.2 lb SO_2/hr on a 3-hour block average basis. *Compliance with this limitation will assure compliance with the 45CSR10 limitation of 7.5 lb/mmBtu*.
[45CSR§30-12.7.; 45CSR§§10-3.1., and 3.1.b.]

4.1.8. Compliance with the allowable sulfur dioxide emission limitations from the Unit 1 & 2 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, 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.]

Auxiliary Boiler (Em. Pt. ID *Aux ML1*)

Visible Emissions and Particulate Matter

4.1.9. Visible Emissions from the auxiliary boiler stack (*Aux ML1)* shall not exceed ten (10) percent opacity based on a six minute block average.
[45CSR§2-3.1.]

4.1.10. The visible emission standards (condition 4.1.9.) shall apply at all times except in periods of start-ups, shutdowns and malfunctions.
[45CSR§2-9.1.]

4.1.11. Particulate matter emissions from the auxiliary boiler's stack (*Aux ML1)* shall not exceed 59.67 lb/hr.
[45CSR§2-4.1.b.]

Sulfur Dioxide (SO_2)

4.1.12. Sulfur dioxide emissions from the auxiliary boiler stack (*Aux ML1)* shall not exceed 2,055.3 lb/hr.
[45CSR§10-3.1. & 3.1.e.]

4.1.13. 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, 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.]

4.1.14. **Combustion of Demineralizer Resins**
The combustion of demineralizer resins is permitted in accordance with the WVDAQ letter dated January 21, 2004 addressed to Mr. Frank Blake and signed by Jesse D. Adkins and subject to the DAQ notification requirements as outlined in the document titled "American Electric Power Demineralizer Resin Burn Notification Procedure." Records pertaining to the combustion of demineralizer resins shall be kept in accordance with 3.3.2. and shall be made available, in a suitable form for inspection, to the Secretary upon request. See Appendix E.
[WVDAQ Letter dated January 21, 2004 addressed to Mr. Frank Blake and signed by Jesse D. Adkins - State-Enforceable only; 45CSR§30-5.1.c.]

4.1.15. **Dry Sorbent Injection**
The permittee shall operate the SO_3 dry-sorbent injection control system consistent with the technological capabilities and limitations of the system and with good operation and maintenance practices whenever *Unit 1* or *Unit 2* (or both) is operating, except during periods of startup, shut-down, malfunction, and maintenance.
[45CSR§30-12.7., State-enforceable only]

4.1.16. a. **40 C.F.R. 63, Subpart DDDDD.** The Aux 1 boiler [Em. Pt. ID No. Aux ML1] 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 Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters" no later than the existing source compliance date of March 21, 2014, or as amended by US EPA.

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.

[40 C.F.R. 63, Subpart DDDDD, 45CSR§30-6.5.b.]

4.2. Monitoring Requirements

4.2.1. Compliance with the visible emission requirements for emission points *1E* and *2E* shall be determined as outlined in section I.A.2. of the DAQ approved "45CSR2 Monitoring Plan" attached in Appendix A 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 opacity and all SO_2, and NO_x, emissions from emission points *1E* and *2E* as specified in 40 C.F.R. Part 75 and measure CO_2 emissions from emission points *1E* and *2E* as specified in 40 C.F.R. Part 75.
[45CSR33; 40 C.F.R. §75.10; 40 C.F.R. §§ 64.3(b)(1) and 64.3(b)(4)(ii); 45CSR§30-5.1.c.]

4.2.3. Compliance with the operating and fuel usage requirements for Units 1 & 2 shall be demonstrated as outlined in section I.A.3. of the DAQ approved "45CSR2 Monitoring Plan" attached in Appendix A 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 *Aux ML1* shall be determined as outlined in section I.B.2. of the DAQ approved "45CSR2 Monitoring Plan" attached in Appendix A of this permit. **[45CSR§§2-3.2. & 8.2.]**

4.2.5. Compliance with the auxiliary boiler stack (*Aux ML1*) particulate matter mass emission requirements and the operating and fuel usage requirements for the auxiliary boiler, shall be demonstrated as outlined in section I.B.3. of the DAQ approved "45CSR2 Monitoring Plan" attached in Appendix A of this permit. **[45CSR§§2-8.3.c., 8.4.a. & 8.4.a.1.]**

4.2.6. The owner or operator shall implement a Compliance Assurance Monitoring (CAM) program in accordance with the following:

(a) The permittee shall monitor and maintain 6-minute opacity averages measured by a continuous opacity monitoring system, operated and maintained pursuant to 40 C.F.R. Part 75, including the minimum data requirements, in order to determine 3-hour block average opacity values. The permittee may also use COMS that satisfy Section 51.214 and appendix P of Part 51, or Section 60.13 and appendix B of Part 60, to satisfy the general design criteria under 40 C.F.R. §§64.3(a) and (b). **[45CSR§30-5.1.c. and 40 C.F.R. § 64.6(c)(1)(i) and (ii), *(Unit 1 and Unit 2)*]**

(b) The COM QA/QC procedures shall be equivalent to the applicable requirements of 40 C.F.R. Part 75. The permittee may also use COMS that satisfy Section 51.214 and appendix P of Part 51, or Section 60.13 and appendix B of Part 60, to satisfy the general design criteria under 40 C.F.R. §§64.3(a) and (b). **[40 C.F.R. §75.21 and 40 C.F.R. § 64.6(c)(iii), *(Unit 1 and Unit 2)*]**

(c) The 6-minute opacity averages from permit condition 4.2.6.(a) shall be used to calculate 3-hour block average opacity values. Data recorded during monitoring malfunctions, associated repairs and QA/QC activities shall not be used for calculating the 3-hour averages. All other available qualified data consisting of 6-minute opacity averages will be used to calculate a 3-hour average. Data availability shall be at least of 50% of the operating time in the 3-hour block to satisfy the data requirements to calculate the 3-hour average opacity. However, the number of invalid 3-hour blocks shall not exceed 15% of the total 3-hour blocks during unit operation for a quarterly reporting period.

An excursion of the indicator range shall be defined as two consecutive 3-hour block average opacity values that exceed 10%.

[45CSR§30-5.1.c. 40 C.F.R. § 64.6(c)(2) and (4) and 40 C.F.R. § 64.7(c), *(Unit 1 and Unit 2)*]

4.2.7. The CAM-related testing and CAM plan implementation shall be conducted according to the following schedule:

(a) The permittee shall submit a CAM testing protocol to the Department at least 30 days prior to the proposed testing date.

(b) A test report, presenting testing results, shall be submitted to the Director within 60 days after completion of testing.

(c) The permittee shall complete the CAM testing and implement the CAM monitoring within 180 days of the issuance of this permit.

[45CSR§30-5.1.c., 40 C.F.R. § 64.6(d), and 40 C.F.R. § 64.7(a), *(Unit 1 and Unit 2)*]

4.2.8. **Proper Maintenance** – At all times, the permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.
[40 C.F.R. § 64.7(b); 45CSR§30-5.1.c. *(Unit 1 and Unit 2)*]

4.2.9. **Response to Excursions or Exceedances**

(a) Upon detecting an excursion or exceedance, the permittee shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable

(b) Determination of whether the permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

[40 C.F.R. § 64.7(d); 45CSR§30-5.1.c., *(Unit 1 and Unit 2)*]

4.2.10. **Documentation of Need for Improved Monitoring** – After approval of monitoring under 40 C.F.R. Part 64, if the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the Director and, if necessary, submit a proposed modification to the permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.
[40 C.F.R. § 64.7(e); 45CSR§30-5.1.c. *(Unit 1 and Unit 2)*]

4.2.11. **Quality Improvement Plan (QIP)**

(1) Based on the results of a determination made under permit condition 4.2.9.(b) or 4.2.11.(2), the Administrator or the Director may require the permittee to develop and implement a QIP. If a QIP is required, then it shall be developed, implemented, and modified as required according to 40 C.F.R. §§ 64.8(b) through (e). Refer to permit condition 4.5.6.(b)(iii) for the reporting required when a QIP is implemented.

(2) If five (5) percent or greater of the three (3) hour average COMS opacity values, determined in accordance with 4.2.6.(c) of this permit, indicate excursions of the 10% opacity threshold during a calendar quarter, the permittee shall develop and implement a QIP. The Director may waive this QIP requirement upon a demonstration that the cause(s) of the excursions have been corrected, or may require stack tests at any time pursuant to permit condition 3.2.1.

[40 C.F.R. §§ 64.8, and 64.7(d); 45CSR§30-5.1.c. *(Unit 1 and Unit 2)*]

4.2.12. **Continued Operation** – Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of 40 C.F.R. Part 64, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.
[40 C.F.R. § 64.7(c); 45CSR§30-5.1.c. *(Unit 1 and Unit 2)*]

4.2.13. The permittee shall perform daily monitoring and recordkeeping of the total daily dry sorbent usage rate (pounds /tons per day) and startups, shutdowns, malfunctions, and maintenance associated with the dry sorbent injection system.
[45CSR§30-5.1.c., State-enforceable only]

4.3. Testing Requirements

4.3.1. The owner or operator shall conduct, or have conducted, tests to determine the compliance of Unit 1 & Unit 2 with the particulate matter mass emission limitations. 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 next test shall be performed by July 14, 2009.

Test	Test Results	Retesting 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 <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 <80 % of weight emission standard	Once/2 years

Test	Test Results	Retesting Frequency
Once/2 years	any tests indicates a mass emission rate ≥80% of weight emission standard	Annual
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.]

4.3.2. Data collected during future periodic 45CSR2 mass emissions tests (under permit condition 4.3.1.) will be used to supplement the existing data set in order to verify the continuing appropriateness of the 10% indicator range value.
[45CSR§30-5.1.c. and 40 C.F.R. § 64.6(b), *(Unit 1 and Unit 2)*]

4.4. Recordkeeping Requirements

4.4.1. Records of monitored data established in the monitoring plan (see Appendix A) 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. Records of the block 3-hour COMS opacity averages and corrective actions taken during excursions of the CAM plan indicator range shall be maintained on site and shall be made available to the Director or his duly authorized representative upon request. COMS performance data will be maintained in accordance with 40 C.F.R. Part 75 recordkeeping requirements**.**
[45CSR§30-5.1.c. and 40 C.F.R. §64.9(b) *(Unit 1 and Unit 2)*]

4.4.4. **General recordkeeping requirements for 40 C.F.R. Part 64 (CAM)**
The permittee shall comply with the recordkeeping requirements specified in permit conditions 3.3.1. and 3.3.2. The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 C.F.R. §64.8 (condition 4.2.11.) and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 C.F.R. Part 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).
[40 C.F.R. § 64.9(b); 45CSR§30-5.1.c. *(Unit 1 and Unit 2)*]

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.4., I.B.4., and II.A.4. of the DAQ approved "45CSR2 and 45CSR10 Monitoring Plan" attached in Appendix A of this permit.
[45CSR§2-8.3.b.]

4.5.3. Excess opacity periods resulting from any malfunction of Unit 1, Unit 2, or Aux 1 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, or Aux1 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.]

Acid Rain Program

4.5.5. Unit 1& Unit 2 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 B)~~;

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]

4.5.6. **General reporting requirements for 40 C.F.R. Part 64 (CAM)**

(a) On and after the date specified in 40 C.F.R. §64.7(a) by which the permittee must use monitoring that meets the requirements of 40 C.F.R. 64, the permittee shall submit monitoring reports to the DAQ in accordance with permit condition 3.4.6.

(b) A report for monitoring under 40 C.F.R. 64 shall include, at a minimum, the information required under permit condition 3.4.8. and the following information, as applicable:

(i) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;

(ii) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

(iii) A description of the actions taken to implement a QIP during the reporting period as specified in 40 C.F.R. §64.8. Upon completion of a QIP, the permittee shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

[40 C.F.R. § 64.9(a); 45CSR§30-5.1.c. *(Unit 1 and Unit 2)*]

4.6. Compliance Plan

4.6.1. There is no compliance plan since a responsible official certified compliance with all applicable requirements in the Title V renewal application.

5.0 Source-Specific Requirements [Material Handling – Emission point IDs identified in Equipment Table subsection 1.1.]

5.1. Limitations and Standards

5.1.1. Limestone transferred across belt conveyor BC-1 to Transfer House #1 [TH-1] shall be limited to a maximum transfer rate of 750 tons per hour and 1,100,000 tons per year.
[45CSR13, R13-2608, 4.1.1.]

5.1.2. Limestone transferred across belt conveyor BC-3 to Transfer House #2 [TH-2] shall be limited to a maximum transfer rate of 750 tons per hour and 1,100,000 tons per year.
[45CSR13, R13-2608, 4.1.2.]

5.1.3. Gypsum transferred across belt conveyor BC-9 to Transfer House #4 [TH-4] shall be limited to a maximum transfer rate of 200 tons per hour and 1,700,000 tons per year.
[45CSR13, R13-2608, 4.1.3.]

5.1.4. Gypsum and wastewater treatment system cake transferred across belt conveyor BC-14 to Transfer House #7 [TH-7] shall be limited to a maximum transfer rate of 1,000 tons per hour and 1,912,000 tons per year.
[45CSR13, R13-2608, 4.1.4.]

5.1.5. Gypsum transferred across belt conveyor BC-17 to Transfer House #7 [TH-7] shall be limited to a maximum transfer rate of 750 tons per hour and 1,200,000 tons per year.
[45CSR13, R13-2608, 4.1.5.]

5.1.6. Gypsum transferred across belt conveyor BC-19 to Transfer House #9 [TH-9] shall be limited to a maximum transfer rate of 1,000 tons per hour and 1,700,000 tons per year.
[45CSR13, R13-2608, 4.1.6.]

5.1.7. Coal transferred across belt conveyor HSC-1 shall be limited to a maximum transfer rate of 3,000 tons per hour and 5,732,544 tons per year.
[45CSR13, R13-2608, 4.1.7.]

5.1.8. Dry Sorbent (Trona or Hydrated Lime) for SO_3 mitigation shall be delivered to the facility at a maximum annual rate of 81,000 tons per year.
[45CSR13, R13-2608, 4.1.8.]

5.1.9. Liquid magnesium hydroxide shall be delivered to the facility at a maximum annual rate of 6,600,000 gallons per year.
[45CSR13, R13-2608, 4.1.9.]

5.1.10. Hydrated lime for the FGD wastewater treatment system shall be delivered to the facility at a maximum annual rate of 3,200 tons per year.
[45CSR13, R13-2608, 4.1.10.]

5.1.11. Ferric Chloride for the FGD wastewater treatment system shall be delivered to the facility at a maximum annual rate of 110,000 gallons per year.
[45CSR13, R13-2608, 4.1.11.]

5.1.12. Acid (hydrochloric or sulfuric) for the FGD wastewater treatment system shall be delivered to the facility at a maximum annual rate of 170,000 gallons per year.
[45CSR13, R13-2608, 4.1.12.]

5.1.13. Polymer and organosulfide for the FGD wastewater treatment facility shall be delivered to the facility at a maximum annual rate of 13,500 gallons per year.
[45CSR13, R13-2608, 4.1.13.]

5.1.14. The diesel-fired engines [6S and 7S] used to power the emergency quench water system shall be limited to a total maximum combined annual operating schedule of 200 hours per year.
[45CSR13, R13-2608, 4.1.14.]

5.1.15. Compliance with all annual operating limits shall be determined using a twelve month rolling total. A twelve month rolling total shall mean the sum of the quantified operating data at any given time during the previous twelve (12) consecutive calendar months.
[45CSR13, R13-2608, 4.1.15.]

5.1.16. The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water 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 spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water 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, R13-2608, 4.1.16.]

5.1.17. Additionally, at least three times per year the permittee shall apply a mixture of water and an environmentally acceptable dust control additive hereafter referred to as solution to all unpaved haul roads. The solution shall have a concentration of dust control additive sufficient to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haulroads.
[45CSR13, R13-2608, 4.1.17.]

5.1.18. The installation and operation of the proposed Limestone Material Handling equipment [1S] and Limestone Processing equipment [3S] shall be subject to the limits and requirements set forth by 40 C.F.R. 60 - Subpart OOO, *"Standards of performance for non-metallic mineral processing plants."*

a. The material transfers across the conveyors within the enclosed transfer stations and ball mill within the processing building will be limited to the opacity emissions from the building or building vents. The buildings will be limited to emissions of no visible opacity per 40 C.F.R. §60.672(e)(1), and the vents from the buildings will be limited to an opacity of 7% and particulate emissions of 0.022 grains per dry standard cubic foot, per 40 C.F.R. §60.672(e)(2).

b. The emissions from the baghouse on each of the limestone day bins will be limited to 7% opacity per 40 C.F.R. §60.672(f).

c. All material transfer points outside of the buildings will be limited to a maximum 10% opacity per 40 C.F.R. §60.672(b).

d. In order to comply with the emission and opacity limitations of 40 C.F.R. 60 Subpart OOO, the permittee shall employ dust suppression methods to minimize particulate emissions from the limestone processing equipment. In order to demonstrate compliance, in accordance to the requirements of the regulation, the applicant shall conduct performance testing and monitoring activities as set forth by 40 C.F.R. 60 Subpart OOO.

[45CSR13, R13-2608, 4.1.19.; 40 C.F.R. Part 60, Subpart OOO; 45CSR16]

5.1.19. The maximum amount of fly ash handled by the fly ash handling system shall not exceed 800,000 tons per year on a dry (1% moisture) basis (i.e. 980,000 tons per year at 20% moisture). Compliance with the throughput limit shall be determined using a rolling yearly total. A rolling yearly total shall mean the sum of the fly ash transferred for the previous twelve (12) consecutive calendar months.
[45CSR13, R13-2608, 4.1.20.]

5.1.20. PM emissions from Mechanical Exhausters ME-1A, ME-1B and ME-1C shall not exceed 0.16 lb/hr and 0.69 tpy individually nor 0.32 lb/hr and 1.38 tons per year combined.
[45CSR13, R13-2608, 4.1.21.]

5.1.21. PM emissions from Mechanical Exhausters ME-2A, ME-2B and ME-2C shall not exceed 0.15 lb/hr and 0.65 tpy individually nor 0.30 lb/hr and 1.30 tons per year combined.
[45CSR13, R13-2608, 4.1.22.]

5.1.22. PM emissions from Bin Vent Filters BVF-A, BVF-B and BVF-C shall not exceed 0.75 lb/hr nor 3.25 tpy combined.
[45CSR13, R13-2608, 4.1.23.]

5.1.23. PM emissions from the transfer of conditioned fly ash from the silos to trucks (WFA-AA, WFA-AB, WFA-BA, WFA-BB, WFA-CA, and WFA-CB) shall not exceed 0.07 pounds per hour nor 0.09 tons per year combined.
[45CSR13, R13-2608, 4.1.24.]

5.1.24. The Coal and Ash handling systems, and FGD and SCR material handling systems, are subject to 45CSR§2-5 as outlined in the facility wide section of this permit (condition 3.1.12.) regarding fugitive dust control system.

5.2. Monitoring Requirements

5.2.1. For the purpose of determining compliance with the material transfer limits set forth by Section 5.1.1. and 5.1.2. of this permit, the permittee shall monitor the hourly and annual limestone transfer rates across belt conveyor BC-1 to Transfer House #1 [TH-1] and across belt conveyor BC-3 to Transfer House #2 [TH-2].
[45CSR13, R13-2608, 4.2.1.]

5.2.2. For the purpose of determining compliance with the material transfer limits set forth by Section 5.1.3., 5.1.4., 5.1.5. and 5.1.6. of this permit, the permittee shall monitor the hourly and annual gypsum and wastewater

treatment cake transfer rates across belt conveyors BC-9 to Transfer House #4 [TH-4], BC-14 to Transfer House #7 [TH-7], BC-17 to the Transfer House #7 Extension, and BC-19 to Transfer House #9 [TH-9].
[45CSR13, R13-2608, 4.2.2.]

5.2.3. For the purpose of determining compliance with the material transfer limits set forth by Section 5.1.7. of this permit, the permittee shall monitor the hourly and annual coal transfer rates across belt conveyor HSC-1 to Transfer Station #2A.
[45CSR13, R13-2608, 4.2.3.]

5.2.4. For the purpose of determining compliance with the limits associated with the delivery of raw materials for the SO_3 mitigation system, as set forth by Section 5.1.8. and 5.1.9. of this permit, the permittee shall monitor the on-site delivery of dry sorbent (including trona and hydrated lime) and liquid magnesium hydroxide.
[45CSR13, R13-2608, 4.2.4.]

5.2.5. For the purpose of determining compliance with the limits associated with the delivery of raw materials for the FGD wastewater treatment system, as set forth by Sections 5.1.10. through 5.1.13. of this permit, the permittee shall monitor the on-site delivery of hydrated lime, ferric chloride, acid (hydrochloric or sulfuric), polymer and organosulfide.
[45CSR13, R13-2608, 4.2.5.]

5.2.6. For the purpose of determining compliance with the operating limits set forth by Section 5.1.14. of this permit, the permittee shall monitor the operating schedule of the diesel-fired engine [6S and 7S] used to power the emergency quench water system.
[45CSR13, R13-2608, 4.2.6.]

5.2.7. For the purpose of determining compliance with the limits associated with disposal of dry fly ash, as set forth by Section 5.1.19 of this permit, the permittee shall monitor and record the amount of dry fly ash disposed of.
[45CSR13, R13-2608, 4.2.7.]

5.2.8. For the purpose of determining compliance with the operating limits set forth by Section 5.1.17. of this permit, the permittee shall monitor and record the date that chemical solution is applied to the haulroads along with the amount and concentration of the solution applied.
[45CSR13, R13-2608, 4.2.8.]

5.3. Testing Requirements

5.3.1. Within 120 days of startup of the dry ash handling system, the permittee shall perform or have performed EPA approved tests (or other methods as approved by WVDAQ) to determine maximum PM emissions from any one of the Silo Bin Vent Filters (BVF-A, BVF-B or BVF-C).
[45CSR13, R13-2608, 4.3.2.]

5.4. Recordkeeping Requirements

5.4.1. For the purpose of demonstrating compliance with the monitoring requirements set forth in Section 5.2.1. of this permit, the permittee shall maintain monthly records of the amount of limestone transferred across the monitored belt conveyors.
[45CSR13, R13-2608, 4.4.4.]

5.4.2. For the purpose of demonstrating compliance with the monitoring requirements set forth in Section 5.2.2. of this permit, the permittee shall maintain monthly records of the amount of gypsum and wastewater treatment cake transferred across the monitored belt conveyors.
[45CSR13, R13-2608, 4.4.5.]

5.4.3. For the purpose of demonstrating compliance with the monitoring requirements set forth in Section 5.2.3. of this permit, the permittee shall maintain monthly records of the amount of coal transferred across the monitored belt conveyor.
[45CSR13, R13-2608, 4.4.6.]

5.4.4. For the purpose of demonstrating compliance with the monitoring requirements set forth in Section 5.2.4. of this permit, the permittee shall maintain monthly records of the amount of dry sorbent (trona and hydrated lime) and liquid magnesium hydroxide delivered to the facility via truck.
[45CSR13, R13-2608, 4.4.7.]

5.4.5. For the purpose of demonstrating compliance with the monitoring requirements set forth in Section 5.2.5. of this permit, the permittee shall maintain monthly records of the amount of hydrated lime, ferric chloride, acid (hydrochloric or sulfuric), polymer and organosulfide delivered to the facility via truck.
[45CSR13, R13-2608, 4.4.8.]

5.4.6. For the purpose of demonstrating compliance with the monitoring requirements set forth in Section 5.2.6. of this permit, the permittee shall maintain monthly records of the hours of operation of the diesel-fired engines [6S and 7S].
[45CSR13, R13-2608, 4.4.9.]

5.4.7. For the purposes of determining compliance with Section 5.1.16., 5.1.17., and 3.1.11. of this permit, the permittee shall maintain records of the amount of dust control additive used at the facility and the dates the solution was applied.
[45CSR13, R13-2608, 4.4.10.]

5.4.8. All records produced in accordance to the requirements set forth by Sections 5.4.1. through 5.4.7. of this permit shall be maintained in accordance with Section 3.3.2. of this permit. At a time prior to being submitted to the Director, all records shall be certified and signed by a "Responsible Official" or a duly authorized representative, utilizing the attached Certification of Data Accuracy statement (Appendix C).
[45CSR13, R13-2608, 4.4.11.]

5.4.9. For the purposes of determining compliance with the maximum throughput limit set forth in Condition 5.1.19. above, the facility shall maintain monthly (and calculated rolling yearly total) records of the amount of fly ash handled by the Units 1 and 2 fly ash system.
[45CSR13, R13-2608, 4.4.12.]

5.5. Reporting Requirements

5.5.1. Reserved.

5.6. Compliance Plan

5.6.1. A compliance plan is not included since a Responsible Official certified compliance with all applicable requirements in the renewal application.

6.0 Emergency Quench Water Pump Engines [emission point ID(s): 15E, 16E]

6.1. Limitations and Standards

6.1.1. If you have an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations and operating limitations no later than May 3, 2013.
[40 C.F.R. §63.6595(a)(1); 45CSR34]

6.1.2. For emergency stationary CI RICE[1], you must meet the following requirements, except during periods of startup:

a. Change oil and filter every 500 hours of operation or annually, whichever comes first;[2]
b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.[3]

During periods of startup you must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

[1] If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of 40 C.F.R. 63 Subpart ZZZZ, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

[2] Sources have the option to utilize an oil analysis program as described in 40 C.F.R. §63.6625(i) (permit condition 6.1.6.) in order to extend the specified oil change requirement in Table 2c of 40 C.F.R. 63 Subpart ZZZZ.

[3] Sources can petition the Administrator pursuant to the requirements of 40 C.F.R. §63.6(g) for alternative work practices.

[40 C.F.R. §63.6602, Table 2c, Row 1; 40 C.F.R. §63.6625(h); 45CSR34] *This condition is subject to the compliance date specified in condition 6.1.1.*

6.1.3. At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
[40 C.F.R. §63.6605(b); 45CSR34] *This condition is subject to the compliance date specified in condition 6.1.1.*

6.1.4. If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 HP located at a major source of HAP emissions, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
[40 C.F.R. §§63.6625(e) and 63.6625(e)(2); 40 C.F.R. §63.6640(a), Table 6, Row 9; 45CSR34] *This condition is subject to the compliance date specified in condition 6.1.1.*

6.1.5. If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.
[40 C.F.R. §63.6625(f); 45CSR34] *This condition is subject to the compliance date specified in condition 6.1.1.*

6.1.6. If you own or operate a stationary CI engine that is subject to the work, operation or management practices in item 1 of Table 2c to 40 C.F.R. 63 Subpart ZZZZ (permit condition 6.1.2.), you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c to 40 C.F.R. 63 Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c to 40 C.F.R. 63 Subpart ZZZZ (permit condition 6.1.2.a.). The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine (permit condition 6.1.4.).
[40 C.F.R. §63.6625(i); 45CSR34] *This condition is subject to the compliance date specified in condition 6.1.1.*

6.1.7. *Requirements for emergency stationary RICE.* If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, you must operate the emergency stationary RICE according to the requirements in paragraphs (i) through (iii) of this permit condition. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (i) through (iii) of this permit condition, is prohibited. If you do not operate the engine according to the requirements in paragraphs (i) through (iii) of this permit condition, the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines.

(i) There is no time limit on the use of emergency stationary RICE in emergency situations.

(ii) You may operate your emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of

additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.

(iii) You may operate your emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing.

[40 C.F.R. §63.6640(f)(1); 45CSR34] *This condition is subject to the compliance date specified in condition 6.1.1.*

6.2. Monitoring Requirements

6.2.1. Reserved.

6.3. Testing Requirements

6.3.1. Reserved.

6.4. Recordkeeping Requirements

6.4.1. You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan (permit condition 6.1.4.) if you own or operate an existing stationary emergency RICE.
[40 C.F.R. §§63.6655(e) and 63.6655(e)(2); 45CSR34] *This condition is subject to the compliance date specified in condition 6.1.1.*

6.4.2. If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.
[40 C.F.R. §§63.6655(f) and 63.6655(f)(1); 45CSR34] *This condition is subject to the compliance date specified in condition 6.1.1.*

6.4.3. **Form and Retention of Records for 40 C.F.R. 63 Subpart ZZZZ**.
(a) Your records must be in a form suitable and readily available for expeditious review according to 40 C.F.R. §63.10(b)(1).

(b) As specified in 40 C.F.R. §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 C.F.R. §63.10(b)(1).

[40 C.F.R. §§63.6660(a), (b), and (c); 45CSR34] *This condition is subject to the compliance date specified in condition 6.1.1.*

6.5. Reporting Requirements

6.5.1. You must report each instance in which you did not meet each limitation in Table 2c to 40 C.F.R. 63 Subpart ZZZZ (permit condition 6.1.2.). These instances are deviations from the emission and operating limitations in 40 C.F.R. 63 Subpart ZZZZ. These deviations must be reported according to the requirements in 40 C.F.R. §63.6650 (permit condition 6.5.3.).
[40 C.F.R. §63.6640(b); 45CSR34] *This condition is subject to the compliance date specified in condition 6.1.1.*

6.5.2. You must also report each instance in which you did not meet the requirements in Table 8 to 40 C.F.R. 63 Subpart ZZZZ that apply to you.
[40 C.F.R. §63.6640(e); 45CSR34] *This condition is subject to the compliance date specified in condition 6.1.1.*

6.5.3. The permittee must report all deviations as defined in 40 C.F.R. 63 Subpart ZZZZ in the semiannual monitoring report required by permit condition 3.5.6.
[40 C.F.R. §63.6650(f); 45CSR34] *This condition is subject to the compliance date specified in condition 6.1.1.*

6.6. Compliance Plan

6.6.1. Reserved.

APPENDIX A

45CSR2 & 45CSR10 Monitoring Plan

45 CSR 2 and 45 CSR 10
Monitoring and Recordkeeping Plan

Mitchell Plant

Facility Information:

Facility Name: Mitchell Plant

Facility Address: P.O. Box K
State Route 2
Moundsville, WV 26041

Facility Environmental Contact: Mr. J. W. Palmer
Production Support Superintendent - Environmental

A. Facility Description:

Mitchell Plant is a coal-fired electric generating facility with two main combustion units (Units 1 and 2) discharging through a common stack shell that utilizes two separate stack discharge flues. Mitchell plant also has an auxiliary boiler (Aux. 1) that discharges through an independent auxiliary stack (Aux ML1). Unit 1, Unit 2, and Aux. Boiler 1 each have a design heat input greater than 10 mmBTU/hr making both 45 CSR 2A (Interpretive Rule for 45 CSR 2) and 45 CSR 10A (Interpretive Rule for 45 CSR 10) applicable to these sources.

I. 45 CSR 2 Monitoring Plan:

In accordance with Section 8.2.a of 45 CSR 2, following is the proposed plan for monitoring compliance with opacity limits found in Section 3 of that rule:

A. Main Stack (1E, 2E)

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.*

2. Monitoring Method(s):

   45 CSR 2, §3.2 *…Continuous opacity monitors shall not be required on fuel burning units which employ wet scrubbing systems for emissions control.*

45 CSR 2, §8.2.a.1. *Direct measurement with a certified continuous opacity monitoring system (COMS) shall be deemed to satisfy the requirements for a monitoring plan. Such COMS shall be installed, calibrated, operated and maintained as specified in 40 CFR Part 60, Appendix B, Performance Specification 1 (PS1). COMS meeting the requirements of 40 CFR Part 75 (Acid Rain) will be deemed to have satisfied the requirements of PS1.*

a. Primary Monitoring Method: While a Continuous Opacity Monitoring System (COMS) would not be required on a wet scrubbed fuel burning unit, Mitchell Plant has chosen to employ COMS on each of the fuel burning units upstream of the wet scrubbers and located in plant ductwork. As such, the primary method of monitoring opacity at Mitchell Plant will be Continuous Opacity Monitors (COMS). The COMS are installed, maintained and operated in compliance with requirements of 40 CFR Part 75.

b. Other Credible Monitoring Method(s): While Mitchell Plant will use COMS as the primary method of monitoring opacity of the fuel burning units, we are also reserving the right to use other appropriate method that would produce credible data. These "other monitoring methods" will generally be used in the absence of COMS data or as other credible evidence used in conjunction with COMS data.

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.*

The applicable paragraphs for Mitchell Plant 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.*

The date and time of each startup and shutdown of Units 1 and 2 will be maintained. The quantity of coal burned on a daily basis as well as the ash and Btu content will also be maintained. From a fuel oil perspective, the quantity of fuel oil burned on a monthly basis, as well as the Btu content will be maintained. The fuel oil analysis will generally be one that is provided by the supplier for a given shipment but in some cases, we may use independent sampling and analyses. The quantity of fuel oil burned on a monthly basis may be maintained on a facility wide basis.

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. Support information includes all calibration and maintenance records and all strip chart recordings for continuous monitoring instrumentation, and copies of all required reports.

4. Exception Reporting:

a. **Particulate Mass Emissions:**

45 CSR 2A, §7.2.a. *With respect to excursions associated with measured emissions under Section 4 of 45CSR2, compliance with the reporting and testing requirements under the Appendix to 45CSR2 shall fulfill the requirement for a periodic exception report under subdivision 8.3.b. or 45CSR2.*

Mitchell Plant will comply with the reporting and testing requirements specified under the Appendix to 45 CSR 2.

b. **Opacity:**

45 CSR 2A, §7.2.b. *COMS – In accordance with the provisions of this subdivision, each owner or operator employing COMS as the method of monitoring compliance with opacity limits shall submit a "COMS Summary Report" and/or an "Excursion and COMS Monitoring System 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 COMS Summary Report shall contain the information and be in the format shown in Appendix B unless otherwise specified by the Director.*

45 CSR 2A, §7.2.b.1. *If the total duration of excursions for the reporting period is less than one percent (1%) of the total operating time for the reporting period and monitoring system downtime for the reporting period is less than five percent (5%) of the total operating time for the reporting period, the COMS Summary Report shall be submitted to the Director; the Excursion and COMS Monitoring System Performance report shall be maintained on-site and shall be submitted to the Director upon request.*

45 CSR 2A, §7.2.b.2. *If the total duration of excursions for the reporting period is one percent (1%) or greater of the total operating time for the reporting period or the total monitoring system downtime for the reporting period is five percent (5%) or greater of the total operating time for the reporting period, the COMS Summary Report and the Excursion and COMS Monitoring System Performance Report shall both be submitted to the Director.*

45 CSR 2A, §7.2.b.3. *The Excursion and COMS Monitoring System 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.b.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.b.3.B. *Specific identification of each excursion that occurs during start-ups, shutdowns, and malfunctions of the facility.*

45 CSR 2A, §7.2.b.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.b.3.D. *The date and time identifying each period during which quality- controlled monitoring data was unavailable, except for zero and span checks, and the reason for data unavailability and the nature of the repairs or adjustments to the monitoring system.*

45 CSR 2A, §7.2.b.3.E. *When no excursions have occurred or there were no periods of quality-controlled data unavailability, and no monitoring systems were inoperative, repaired, or adjusted, such information shall be stated in the report.*

Attached, as Appendices A and B are sample copies of a typical COMS "Summary Report" and "Excess opacity and COM downtime report" that we plan on using to fulfill the opacity reporting requirements. The COMS "Summary Report" will satisfy the conditions under 45 CSR 2A, §7.2.b for the "COMS Summary Report" and will be submitted to the Director according to its requirements. The "Excess opacity and COM downtime report" satisfies the conditions under 45 CSR 2A, §7.2.b.3. for the "Excursion and COMS Monitoring System Performance Report". The "Excess opacity and COM downtime report" shall be submitted to the Director following the conditions outlined in 45 CSR 2A, §7.2.b.1. and §7.2.b.2.

To the extent that an excursion is due to a malfunction, the reporting requirements in section 9 of 45CSR2 shall be followed – 45 CSR 2A, §7.2.d.

B. Aux. Stack (Aux ML1)

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.*

2. Monitoring Method:

45 CSR 2, §8.2.a.1. *Direct measurement with a certified continuous opacity monitoring system (COMS) shall be deemed to satisfy the requirements for a monitoring plan. Such COMS shall be installed, calibrated, operated and maintained as specified in 40 CFR Part 60, Appendix B, Performance Specification 1 (PS1). COMS meeting the requirements of 40 CFR Part 75 (Acid Rain) will be deemed to have satisfied the requirements of PS1.*

45 CSR 2, §8.4.a. *The owner or operator of a fuel burning unit(s) may petition for alternatives to testing, monitoring, and reporting requirements prescribed pursuant to this rule for conditions, including, but not limited to, the following:*

45 CSR 2, §8.4.a.1. *Infrequent use of a fuel burning unit(s)*

Pursuant to 45 CSR 2, Section 8.4.a and 8.4.a.1, Mitchell Plant previously petitioned the Office of Air Quality (OAQ) Chief for alternative testing, monitoring, and reporting requirements for the auxiliary boiler and associated stack. Based on limited operating hours, the requirement for COMS installation per Section 6.2.a of interpretive rule 45 CSR 2A was determined to be overly-burdensome and sufficient reason for the granting of alternative monitoring methods. The alternative monitoring method based on USEPA Method 9 visible emission readings is described below.

- Primary Monitoring Method: As an alternative to COMS monitoring, a Method 9 reading will be conducted one time per month provided the following conditions are met: 1) The auxiliary boiler 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. Since the Mitchell auxiliary boiler does not utilize post-combustion particulate emissions controls, operating parameters of control equipment are nonexistent and therefore unable to be monitored.

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.*

The applicable paragraph for the Mitchell Plant auxiliary boilers follows:

§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.*

As such, the date and time of each startup and shutdown of the auxiliary boiler will be maintained. The quantity of fuel oil burned on a monthly basis, as well as the Btu content will be maintained. The fuel oil analysis will generally be one that is provided by the supplier for a given shipment but in some cases, we may use independent sampling and analyses. The quantity of fuel oil burned on a monthly basis may be maintained on a facility wide basis.

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. In the case of the auxiliary boilers, strip chart recordings, etc. are generally not available.

4. Exception Reporting:

Pursuant to 45 CSR 2, Section 8.4.a and 8.4.a.1, Mitchell Plant previously petitioned the Office of Air Quality (OAQ) Chief for alternative testing, monitoring, and reporting requirements for the auxiliary boiler and associated stack.

a. **Particulate Mass Emissions** – As an alternative to the testing and exception reporting requirements for particulate mass emissions from the auxiliary boiler, the following was previously proposed and approved. Based on an average heat content of approximately 139,877 Btu/gallon (calendar year 2000 data) and an AP-42 based particulate mass emissions emission factor of 2 lbs/thousand gallons, the calculated particulate mass emissions of the auxiliary boiler are 0.01 lb/mmBTU. As such, the fuel analysis records maintained under the fuel quality

analysis and recordkeeping section of this plan provide sufficient evidence of compliance with the particulate mass emission limit. For the purpose of meeting exception reporting requirements, any fuel oil analysis indicating a heat content of less than 25,000 Btu per gallon will be reported to the OAQ to fulfill the requirement for a periodic exception report under subdivision 8.3.b. or 45 CSR 2 – 45 CSR 2A, §7.2.a. A heat content of 25,000 Btu/gal and a particulate emissions factor of 2 lbs/thousand gallons would result in a calculated particulate mass emissions of approximately 90% of the applicable 45 CSR 2 standard.

b. **Opacity** – As an alternative to the exception reporting requirements for opacity emissions from the auxiliary boiler, the following was previously proposed and approved. We will maintain a copy of each properly conducted (correct weather/lighting conditions, etc.) Method 9 evaluation performed. Any properly conducted Method 9 test which indicates an exceedance shall be submitted to the OAQ 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 section 9 of 45CSR2 shall be followed – 45 CSR 2A, §7.2.d.

If no exceptions have occurred during the quarter, then a report will be submitted to the OAQ stating so. This will identify periods in which no method 9 tests were conducted (e.g. unit out of service) or when no fuel oil was received.

II. 45 CSR 10 Monitoring Plan:

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

A. Main Stack (1E, 2E)

1. Applicable Standard:

45 CSR 10, §3.1.b. *For fuel burning units of the Mitchell Plant of Ohio Power Company, located in Air Quality Control Region I, the product of 7.5 and the total actual operating 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.*

A new SO_2 limit will likely be established as a result of the installation of the flue gas desulfurization system/new stack configuration and the subsequent NAAQS compliance demonstration modeling. Assuming that revised SO2 limit is more stringent than the current limit expressed in 45 CSR 10,

Mitchell Plant SO_2 emissions will be regulated by the more stringent of the two limits.

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 the two new stack flues (located within one stack shell) will be Continuous Emissions Monitors (CEMS). Data used in evaluating the performance of the Mitchell Units with the applicable standard will be unbiased, unsubstituted data as specified in definition 45 CSR 10A, §6.1.b.1. Data capture of more than 50% constitutes 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. Because Units 1 and 2 will discharge through separate flues and both units are "Type a" fuel burning units as defined in 45 CSR 10, the plant-wide limit is calculated by summing the limits from the two flues.

b. Other Credible Monitoring Method(s): While Mitchell Plant will use CEMS as the primary method of monitoring SO_2 mass emissions from the two flues, we are also reserving the right to use other appropriate methods 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.*

As such, Mitchell plant will not 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 is done so 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.*

As such, CEMS records at Mitchell Plant will be maintained for at least five 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 no later than forty-five (45) days 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.*

As such, Mitchell Plant will submit the 40 CFR 75 quarterly electronic data reports (EDRs) to the OAQ to meet the requirements for a CEMS Summary Report and the CEMS Excursion and Monitoring System Performance Report. The EDR reports will be submitted to the OAQ no later than 45 days following 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.

B. Aux. Stack (Aux ML1)

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.*

As such, the Mitchell Plant auxiliary boiler (auxiliary stack) is exempt from Testing, Monitoring, Recordkeeping, and Reporting requirements found in 45 CSR 10, Section 8 because the fuel burning source combusts only distillate oil. 45 CSR 10, Section 8 also contains the requirement for the development of a monitoring plan. The simple nature of burning distillate oil results in an SO2 emission rate well below the standard.

While fuel sampling and analysis may continue to be performed at this facility, it is done so 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.

Revisions of Monitoring Plan:

Mitchell Plant reserves the right to periodically revise the conditions of this monitoring plan. Any revised plan will become effective only after approval by the OAQ.

Implementation of Revised Monitoring Plan:

Implementation of this revised monitoring plan will occur in concurrence with the installation and operation of the new stack for Units 1 and 2 at Mitchell Plant.

SUMMARY REPORT

Pollutant	**Opacity**
Company	American Electric Power
	Philip Sporn Plant

Emmission Limitation

Regulation	Limit	Units	Period
45 CSR 2	10	%	6 minute average

Total source Operating Time 132,361 minutes

Reporting Period: Calendar Quarter	10/1/00	to	12/31/00
Monitor Manufacturer :	United Sciences, Inc.		
Model Number:	500C		
Date of last Certification or Audit:	11/28/00		
Process Unit(s) Description:	Units 1-4 Stack,		

Four coal fired power generation units attached to a common stack (CS014).

Emissions Data Summary

1. Duration of excess emissions in reporting period due to:

	45 CSR 2
a. Startup / Shutdown	1206 minutes
b. Soot Blowing	0 minutes
c. Malfunction due to Control Equipment Problems	96 minutes
d. Malfunction due to Process Problem	12 minutes
e. Other Known Causes	0 minutes
f. Unknown Causes	0 minutes
2. Total Duration	1314 minutes
3. Percent Excess Emission	0.99 %

% Excess = 100 * (Total Duration / Total Source Operating Time)

COMS Performance Summary

1. COMS Downtime in reporting period due to:

a. Monitor Equipment Malfunction	66 minutes
b. Other Equipment Malfunction	0 minutes
c. Quality Assurance Calibration	1170 minutes
d. Other Known Causes	0 minutes
e. Unknown Causes	0 minutes
2. Total COMS Downtime	1236 minutes
3. Percent COMS Downtime	0.93 %

% Downtime = 100 * (Total COMS Downtime / Total Source Operating Time)

Please Note:

1. Separate Summary Reports are required for each boiler in the system when it has separate monitoring equipment.
2. Total source operating time means the total time which affected source is operating, including all periods of start-up, shut-down, malfunction, soot blowing, or COMS downtime as those terms are defined under the rule.
3. All times for opacity must be reported in minutes.
4. On a separate page describe any changes since the last reporting period to the COMS process or controls.
5. Other reports may be necessary to meet requirements.

Appendix A
Sample

EXCESS OPACITY AND COM DOWNTIME REPORT

Page: 1

Facility Name: PHILIP SPORN
Address: P.O. BOX 389
New Haven, WVa 25265

Report Period: 10/01/00 to 12/31/00
Emission Limit: 10.499

Stack/Unit ID: CS014

Parameter Name: OPACSQA

Date	Start Time	End Time	Duration (Minutes)	Average Opacity	Maximum Opacity	Causes/ Corrective Action
10/01/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/02/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/03/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/04/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/05/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/06/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/07/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/08/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/09/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/10/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/10/00	0606	0618	12	11	11	TR Set Trip Reset TR
10/10/00	0636	0642	6	11	11	TR Set Trip Reset TR
10/10/00	0824	0836	12	11	11	TR Set Trip Reset TR
10/11/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/11/00	1130	1224	54	-	-	COM Repair, COM o/s COM Lens Cleaned
10/12/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/13/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/14/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/15/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/16/00	0106	0118	12	-	-	Monitor Calibration/QA, COM o/s Completed COM Calibration/QA Activity
10/16/00	1448	1454	6	15	15	Unit Tripped None

Appendix B
Sample

* = Time period does not end during selected time range

APPENDIX B

Reserved ~~Acid Rain Permit~~

west virginia department of environmental protection
Division of Air Quality

Phase II Acid Rain Permit

Plant Name: **Mitchell Power Station**	Permit #: **R33-3948-2012-3**
Affected Unit(s): **1, 2**	
Operator: **Ohio Power Company**	ORIS Code: **3948**
Effective Date: From: **January 1, 2008**	To: **December 31, 2012**

DELETED From Permit

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.

---

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

Promoting a healthy environment

West Virginia Department of Environmental Protection • Division of Air Quality

Plant Name: **Mitchell Power Station**	Permit #: **R33-3948-2012-3**

2. SO_2 Allocations and NO_x Requirements for each affected unit

Unit No. **1**

DELETED

SO_2 Allowances	Year				
	2008	**2009**	**2010**	**2011**	**2012**
Table 2 allowances as adjusted by 40CFR Part 73	18963*	18963*	18995	18995	18995
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*

From Permit

NO_x Requirements	2008	2009	2010	2011	2012
NO_x Limit (lb/mmBtu)	0.50	0.50	0.50	0.50	0.50

Pursuant to 40 CFR §76.11, the West Virginia Department of Environmental Protection, Division of Air Quality approves four (4) NO_x emissions averaging plans for this unit. Each plan is effective for one calendar year for the years 2008, 2009, 2010 and 2011. Under each plan, the unit's NO_x emissions shall not exceed the annual alternative contemporaneous emission limitation (ACEL) of 0.50 lb/mmBtu.

Under the plan, the actual Btu-weighted annual average NO_x emission rate for the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR §76.5, 76.6 or 76.7, except that for early election units, the applicable emission limitations shall be under 40 CFR §76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR §76.11(d)(1)(ii)(A)) is met for a year under the plan, then this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit.

In accordance with 40 CFR §72.40(b)(2), approval of the averaging plan shall be final only when the Arkansas Department of Environmental Quality, Air Division, Indiana Department of Environmental Management, Office of Air Management, the Kentucky Department of Environmental Protection, Division for Air Quality, the Ohio Environmental Protection Agency, Division of Air Pollution Control the Oklahoma Department of Environmental Quality, Air Quality Division, Virginia Department of Environmental Quality, Division of Air Program Coordination and the Texas Commission on Environmental Quality, Office of Permitting, Remediation and Registration have also approved this averaging plan.

In addition to the described NO_x compliance plans, 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.

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 year 2012. Under this plan the unit's actual annual average NO_x emission rate shall not exceed the applicable limitation of 0.50 lb/mmBtu as set forth in 40 CFR §76.5(a)(2) for Group 1, Phase I dry bottom wall-fired boilers.

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.

West Virginia Department of Environmental Protection • Division of Air Quality

Plant Name: **Mitchell Power Station**	Permit #: **R33-3948-2012-3**

2. SO_2 Allocations and NO_x Requirements for each affected unit

Unit No.	**2**

DELETED

SO_2 Allowances	**Year**				
	2008	**2009**	**2010**	**2011**	**2012**
Table 2 allowances, as adjusted by 40 CFR Part 73	19622*	19622*	19656	19656	19656
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*

From Permit

NO_x Requirements	**2008**	**2009**	**2010**	**2011**	**2012**
NO_x Limit (lb/mmBtu)	0.50	0.50	0.50	0.50	0.50

Pursuant to 40 CFR §76.11, the West Virginia Department of Environmental Protection, Division of Air Quality approves four (4) NO_x emissions averaging plans for this unit. Each plan is effective for one calendar year for the years 2008, 2009, 2010 and 2011. Under each plan, the unit's NO_x emissions shall not exceed the annual alternative contemporaneous emission limitation (ACEL) of 0.50 lb/mmBtu.

Under the plan, the actual Btu-weighted annual average NO_x emission rate for the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR §76.5, 76.6 or 76.7, except that for early election units, the applicable emission limitations shall be under 40 CFR §76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR §76.11(d)(1)(ii)(A)) is met for a year under the plan, then this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit.

In accordance with 40 CFR §72.40(b)(2), approval of the averaging plan shall be final only when the Arkansas Department of Environmental Quality, Air Division, Indiana Department of Environmental Management, Office of Air Management, the Kentucky Department of Environmental Protection, Division for Air Quality, the Ohio Environmental Protection Agency, Division of Air Pollution Control the Oklahoma Department of Environmental Quality, Air Quality Division, Virginia Department of Environmental Quality, Division of Air Program Coordination and the Texas Commission on Environmental Quality, Office of Permitting, Remediation and Registration have also approved this averaging plan.

In addition to the described NO_x compliance plans, 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.

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 year 2012. Under this plan the unit's actual annual average NO_x emission rate shall not exceed the applicable limitation of 0.50 lb/mmBtu as set forth in 40 CFR §76.5(a)(2) for Group 1, Phase I dry bottom wall-fired boilers.

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

DELETED From Permit

STEP 1

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

Plant Name	State	ORIS Code
Mitchell Power Station	West Virginia	6948

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		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		

EPA Form 7610-16 (rev. 12-03)

Acid Rain - Page 2

Mitchell 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.

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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.

EPA Form 7610-16 (rev. 12-03)

Mitchell Power Station Plant Name (from Step 1)

Acid Rain - Page 3

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 documents are 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.

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EPA Form 7610-16 (rev. 12-03)

Acid Rain - Page 4

Mitchell Power Station
Plant Name (from Step 1)

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.

DELETED From Permit

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	John M. McManus	
Signature	John M. McManus	Date 7/13/07

EPA Form 7610-16 (rev. 12-03)

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258

Phase II NO_x Compliance Plan

Page 1 of 1

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
Mitchell	WV	3948

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 "WBW" for wet bottom. Indicate the compliance option selected for each unit.

	1	2				
	ID#	ID#	ID#	ID#	ID#	ID#
	DBW	DBW				
	Type	Type	Type	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)	☐	☐	☐	☐	☐	☐

DELETED From Permit

EPA Form 7610-28 (12-03)

Mitchell
Plant Name (from Step 1)

NO_x Compliance - Page 2
Page 1 of 1

STEP 2, cont'd.

	ID# 1	ID# 2	ID#	ID#	ID#	ID#
	Type DBW	Type DBW	Type	Type	Type	Type
(m) EPA-approved common stack apportionment method pursuant to 40 CFR 75.17 (a)(2)(i)(C), (a)(2)(ii)(B), or (b)	☐	☐	☐	☐	☐	☐
(n) AEL (Include Demonstration Period, Final AEL Petition, or AEL Renewal form as appropriate)	☐	☐	☐	☐	☐	☐
(o) Petition for AEL demonstration period or final AEL under review by USEPA or demonstration period ongoing	☐	☐	☐	☐	☐	☐
(p) Repowering extension plan approved or under review	☐	☐	☐	☐	☐	☐

DELETED From Permit

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: John M. McManus	
Signature: John M. McManus	Date: December 19, 2006

EPA Form 7610-28 (12-03)

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258

EPA

Phase II NO_x Averaging Plan

For more information, see instructions and refer to 40 CFR 76.11

Page 1

This submission is: ☐ New ☒ Revised

Page 1 of 1

DELETED From Permit

STEP 1

Identify the units participating in this averaging plan by plant name, State, and boiler ID# from NADB. In column (a), fill in each unit's applicable emission limitation from 40 CFR 76.5, 76.6, or 76.7. In column (b), assign an alternative contemporaneous annual emissions limitation (ACEL) in lb/mmBtu to each unit. In column (c), assign an annual heat input limitation in mmBtu to each unit. Continue to page 3 if necessary.

Plant Name	State	ID#	(a) Emission Limitation	(b) ACEL	(c) Annual Heat Input Limit
Rockport	IN	MB1	0.46	0.46	88,636,400
Rockport	IN	MB2	0.46	0.46	93,566,400
Tanners Creek	IN	U1	0.80	0.80	8,960,400
Tanners Creek	IN	U2	0.80	0.80	9,839,600
Tanners Creek	IN	U3	0.80	0.80	10,605,200
Tanners Creek	IN	U4	0.80	0.80	28,943,800
Big Sandy	KY	BSU1	0.46	0.46	16,002,200
Big Sandy	KY	BSU2	0.46	0.46	51,126,800
Conesville	OH	3	0.50	0.50	3,518,200

STEP 2

Use the formula to enter the Btu-weighted annual emission rate averaged over the units if they are operated in accordance with the proposed averaging plan and the Btu-weighted annual average emission rate for the same units if they are operated in compliance with 40 CFR 76.5, 76.6, or 76.7. The former must be less than or equal to the latter.

Btu-weighted annual emission rate averaged over the units if they are operated in accordance with the proposed averaging plan		Btu-weighted annual average emission rate for same units operated in compliance with 40 CFR 76.5, 76.6 or 76.7
.56	≤	.56

$$\frac{\sum_{i=1}^{n} (R_{Li} \times HI_i)}{\sum_{i=1}^{n} HI_i} \leq \frac{\sum_{i=1}^{n} [R_{1i} \times HI_i]}{\sum_{i=1}^{n} HI_i}$$

Where,

R_{Li} = Alternative contemporaneous annual emission limitation for unit i, in lb/mmBtu, as specified in column (b) of Step 1:

R_{1i} = Applicable emission limitation for unit i, in lb/mmBtu, as specified in column (a) of Step 1;

HI_i = Annual heat input for unit i, in mmBtu, as specified in column (c) of Step 1;

n = Number of units in the averaging plan

EPA Form 7610-29 (12-03)

Mitchell
Plant Name (from Step 1)

NO_x Averaging - Page 2

STEP 3

Mark one of the two options and enter dates.

[X] This plan is effective for calendar year 2007 through calendar year 2011 unless notification to terminate the plan is given.

[ ] Treat this plan as [ ] identical plans, each effective for one calendar year for the following calendar years: _____ unless notification to terminate one or more of these plans is given.

DELETED

From Permit

STEP 4

Read the special provisions and certification, enter the name of the designated representative and sign and date.

Special Provisions

Emission Limitations

Each affected unit in an approved averaging plan is in compliance with the Acid Rain emission limitation for NO_x under the plan only if the following requirements are met:

(i) For each unit, the unit's actual annual average emission rate for the calendar year, in lb/mmBtu, is less than or equal to its alternative contemporaneous annual emission limitation in the averaging plan and
(a) For each unit with an alternative contemporaneous emission limitation less stringent than the applicable emission limitation in 40 CFR 76.5, 76.6, or 76.7, the actual annual heat input for the calendar year does not exceed the annual heat input limit in the averaging plan,
(b) For each unit with an alternative contemporaneous emission limitation more stringent than the applicable emission limitation in 40 CFR 76.5, 76.6, or 76.7, the actual annual heat input for the calendar year is not less than the annual heat input limit in the averaging plan, or
(ii) If one or more of the units does not meet the requirements of (i), the designated representative shall demonstrate, in accordance with 40 CFR 76.11(d)(1)(ii)(A) and (B), that the actual Btu-weighted annual average emission rate for the units in the plan is less than or equal to the Btu-weighted annual average rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations in 40 CFR 76.5, 76.6, or 76.7.
(iii) If there is a successful group showing of compliance under 40 CFR 76.11(d)(1)(ii)(A) and (B) for a calendar year, then all units in the averaging plan shall be deemed to be in compliance for that year with their alternative contemporaneous emission limitations and annual heat input limits under (i).

Liability

The owners and operators of a unit governed by an approved averaging plan shall be liable for any violation of the plan or this section at that unit or any other unit in the plan, including liability for fulfilling the obligations specified in part 77 of this chapter and sections 113 and 411 of the Act.

Termination

The designated representative may submit a notification to terminate an approved averaging plan, in accordance with 40 CFR 72.40(d), no later than October 1 of the calendar year for which the plan is to be terminated.

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.

John M. McManus	
Name	
Signature John M. McManus	December 19, 2006
	Date

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Mitchell
Plant Name (from Step 1)

NO_x Averaging - Page 3

STEP 1

Continue the identification of units from Step 1, page 1, here.

DELETED From Permit

Plant Name	State	ID#	(a) Emission Limitation	(b) Alt. Contemp. Emission Limitation	(c) Annual Heat Input Limit
Conesville	OH	4	0.45	0.45	44,976,190
Conesville	OH	5	0.40	0.40	25,[illegible]34,200
Conesville	OH	6	0.40	0.40	24,[illegible]5,400
Muskingum	OH	1	0.84	0.84	[illegible],796,800
Muskingum	OH	2	0.84	0.84	8,181,600
Muskingum	OH	3	0.86	0.86	8,251,800
Muskingum	OH	[illegible]	0.86	0.86	8,143,200
Muskingum	OH	[illegible]	0.68	0.68	35,[illegible]6,40[illegible]
Conway	OH	[illegible]	[illegible]	0.50	3,432,400
Clinch River	VA	1	0.80	0.80	11,366,000
Clinch River	VA	2	0.80	0.80	14,350,000
Clinch River	VA	3	0.80	0.80	14,544,000
Glen Lyn	VA	51	0.40	0.40	1,581,500
Glen Lyn	VA	52	0.40	0.40	1,581,500
Glen Lyn	VA	6	0.46	0.46	5,930,000
John E Amos	WV	1	0.46	0.46	52,512,000
John E Amos	WV	2	0.46	0.46	52,031,200
John E Amos	WV	3	0.68	0.68	88,228,800
Kammer	WV	1	0.86	0.86	11,214,400
Kammer	WV	2	0.86	0.86	11,570,600
Kammer	WV	3	0.86	0.86	11,498,000
Kanawha	WV	1	0.80	0.80	10,392,600
Kanawha	WV	2	0.80	0.80	9,018,200
Mitchell	WV	1	0.50	0.50	50,415,600
Mitchell	WV	2	0.50	0.50	53,611,600
Mountaineer	WV	1	0.46	0.46	97,048,400
Sporn	WV	11	0.80	0.80	7,467,000

EPA Form 7610-29 (12-03)

Mitchell
Plant Name (from Step 1)

NO_x Averaging - Page 4

STEP 1

Continue the identification of units from Step 1, page 1, here.

DELETED From Permit

Plant Name	State	ID#	(a) Emission Limitation	(b) Alt. Contemp. Emission Limitation	(c) Annual Heat Input Limit
Sporn	WV	21	0.80	0.80	7,203,600
Sporn	WV	3	0.80	0.80	733,800
Sporn	WV	4	0.80	0.80	083,200
Sporn	WV	31	0.40	0.40	13,054,800
Cardinal	OH	1	0.68	0.68	37,568,400
Cardinal	OH	2	0.68	0.68	39,809,200
Cardinal	OH	3	0.46	0.46	39,202,000
Gavin	OH	1	0.68	0.68	5,30[illegible]600
Gavin	OH	2	0.68	0.68	93,845,000
Flint Creek	AR	1	0.46	0.46	37,879,000
Northeastern	OK	3313	0.40	0.40	33,560,000
Northeastern	OK	3314	0.40	0.40	35,524,000
Oklaunion	TX	1	0.46	0.46	44,826,000
Pirkey	TX	1	0.46	0.46	51,699,000
Welsh	TX	1	0.46	0.46	37,588,000
Welsh	TX	2	0.46	0.46	37,923,000
Welsh	TX	3	0.46	0.46	39,080,000

EPA Form 7610-29 (12-03)

APPENDIX C

Certification of Data Accuracy

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 D

DAQ letter dated September 3, 2002 regarding Thermal Decomposition of Boiler Cleaning Solution

Division of Air Quality
7012 MacCorkle Avenue, SE
Charleston, WV 25304-2943
Telephone Number: (304) 926-3647
Fax Number: (304) 926-3739

West Virginia Department of Environmental Protection

Bob Wise
Governor

Michael O. Callaghan
Cabinet Secretary

Mr. Greg Wooten
Senior Engineer
American Electric Power
1 Riverside Plaza
Columbus, Ohio 43215-2373

September 3, 2002

Dear Mr. Wooten:

RE: Thermal Decomposition of Boiler Cleaning Solution at AEP Facilities (i.e. Kammer, Mitchell, Mountaineer, Philip Sporn, Amos or Kanawha River Plants)

Based on the information you provided by email dated August 19, 2002, subsequent phone conversations, and email dated September 3, 2002, (copies attached) the Division is granting approval for AEP to thermally decompose boiler cleaning solution in the boilers at the AEP facilities identified above.

The DAQ is granting approval for AEP to thermally decompose boiler cleaning solution at the AEP facilities identified above, on an as needed and pre-approved basis, subject to the DAQ notification requirements, as outlined in the attached document titled "American Electric Power Boiler Chemical Cleaning Process Evaporation Notification Procedure", as revised.

If you have any questions regarding this matter please contact Laura Mae Crowder of my staff at (304) 926-3647.

Sincerely,

Jesse D. Adkins
Assistant Director of Enforcement
Division of Air Quality

cc: file

DEP West Virginia Department of Environmental Protection "Promoting a healthy environment."

AMERICAN ELECTRIC POWER
BOILER CHEMICAL CLEANING PROCESS
EVAPORATION NOTIFICATION PROCEDURE

Step 1. The spent boiler chemical cleaning process liquid will be collected and stored on site in temporary (frac) tanks and/or permanently installed Metal Cleaning storage tanks. One sample will be collected for laboratory analysis from each storage tank, unless the tanks were manifolded together such that a number of tanks were filled simultaneously, resulting in the co-mingling of the solution in those tanks; in which case, one representative sample may be collected from each group of tanks that were manifolded together. The analyses from the tanks will be used to determine the hazard characteristics of the total volume of material.

Step 2. Upon receipt and assessment of the laboratory TCLP analyses, the hazard characteristics of the spent cleaning solution will be determined. Upon being confirmed non-hazardous, the "AEP facility" (i.e. Kammer, Mitchell, Mountaineer, Philip Sporn, Amos, or Kanawha River Plant) will proceed with the process to thermally decompose (evaporate) the spent material in a boiler on site.

Step 3. The AEP facility will notify West Virginia DAQ by telephone, facsimile or email on or before the day of scheduled commencement for the evaporation of the non-hazardous spent cleaning solution. AEP will submit via facsimile to the Compliance and Enforcement Section of the DAQ, a minimum of one (1) business day prior to commencement of the thermal decomposition process, the following information:

- The results of the laboratory TCLP analyses
- The volume of spent cleaning solution to be evaporated
- The designated boiler(s) in which the spent cleaning solution will be evaporated
- The expected schedule for completing the process

Step 4. AEP will perform evaporation of the spent cleaning solution in the designated boiler(s) in accordance with the appropriate chemical cleaning process document (e.g. "Kammer/Mitchell Plant Chemical Cleaning Process") and this notification procedure.

APPENDIX E

DAQ letter dated January 21, 2004 regarding Demineralizer Resin Burn

Division of Air Quality
7012 MacCorkle Avenue, SE
Charleston, WV 25304-2943
Telephone Number: (304) 926-3647
Fax Number: (304) 926-3739

West Virginia Department of Environmental Protection

Bob Wise
Governor

Stephanie R. Timmermeyer
Cabinet Secretary

Mr. Frank Blake
Engineer – Environmental Services
American Electric Power
1 Riverside Plaza – Floor 22
Columbus, Ohio 43215-2373

January 21, 2004

Dear Mr. Blake:

RE: Demineralizer Resin Burn at AEP Facilities (i.e. John Amos, Kammer, Mitchell, Mountaineer, Philip Sporn, or Kanawha River Plants)

Based on the information you provided during phone conversations on November 14, 2003 as well as by paper mail on November 25, 2003, the Division of Air Quality (DAQ) is granting approval for AEP to burn demineralizer resin in the boilers at the AEP facilities identified above.

The DAQ is granting approval for AEP burn demineralizer resin at the AEP facilities identified above on an as needed and pre-approved basis, subject to the DAQ notification requirements, as outlined in the document titled "American Electric Power Demineralizer Resin Burn Notification Procedure" as revised.

If you have any questions regarding this matter please contact Michael Rowe of my staff at (304) 926-3647.

Sincerely,

Jesse D. Adkins
Assistant Director of Enforcement
Division of Air Quality

cc: file
M. Dorsey, DWWM

AMERICAN ELECTRIC POWER DEMINERALIZER RESIN BURN NOTIFICATION PROCEDURE

Step 1. An appropriate number of samples representative of the used demineralizer resin to be consumed in the boiler will be collected for laboratory analysis to determine the hazard characteristics of the total volume of the material. Analysis will be completed using ASTM approved methods and by a WV Department of Environmental Protection certified laboratory.

Step 2. Upon receipt and assessment of the laboratory TCLP analysis, the hazard characteristics of the used demineralizer resin will be determined. Upon being confirmed as non-hazardous, the AEP facility will proceed to notify the West Virginia DAQ of the intent to burn the demineralizer resin. If the material is determined to be hazardous, it must be disposed of in accordance with 33CSR20 "Hazardous Waste Management Rule". Questions concerning this rule should be directed to the Division of Water and Waste Management (DWWM) at 304 558-5989.

Step 3. The AEP facility will notify the West Virginia DAQ by telephone, facsimile or email at least one business day before the scheduled commencement for the burn of the non-hazardous demineralizer resin. AEP will submit via facsimile to the Compliance and Enforcement Section of the DAQ, a minimum of one (1) business day prior to commencement of the demineralizer resin burn, the following information:

- The results of the laboratory TCLP analyses
- The volume and/or amount of demineralizer resin to be burned
- The designated boiler(s) in which the demineralizer resin will be burned.
- The expected schedule with beginning and end dates and times for completing the process
- The notification will be formatted with a subject line clearly defining the purpose of the notification and the facility where the resin will be burned.

Step 4. AEP will perform the demineralizer resin burn in the designated boiler(s) in accordance with the submitted notification. AEP will maintain records on site of all demineralizer resin burned. These records will include the date, time, boiler, load condition, volume/amount of resin and TCLP analysis.

APPENDIX F

CAIR Permit Application

CAIR Permit Application

Page 1

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
Mitchell Plant	051-00005	3948

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
AUX1		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).

Mitchell Plant
Plant Name

CAIR Permit Application
Page 2

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.

Mitchell Plant
Plant Name

CAIR Permit Application
Page 3

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	Mitchell Plant

CAIR Permit Application
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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	John M. McManus	
Signature	John M. McManus	Date 5/25/07