



west virginia department of environmental protection

Appendix L: Non-EGU Source Reductions

West Virginia Division of Air Quality
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Charleston, WV 25304

Promoting a healthy environment.

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Non-EGU in the > 100 Tons Per Year Reduction Group

The Final Technical Support Document (TSD)¹ for the CSAPR Update Rule focused on emissions and control measures for sources of NO_x other than EGUs. The information provided more detail about why EGUs are the focus of the CSAPR Update Rule, namely the uncertainty regarding whether significant non-EGU source NO_x emissions were achievable by the 2017 ozone season. The TSD evaluated whether non-EGU emissions could be reduced in a cost-effective manner for specific categories, assessed available NO_x emission reductions from such categories, and presented the category-by-category emissions reduction potential. The NO_x emissions reduction EPA recommended, from the Control Strategy Tool (CoST), for West Virginia was 793 tons/O₃ season for sources in the greater than (>) 100 tons per year reduction group and 334 tons/O₃ season for sources in the 25 to 100 tons per year reduction group. Reviewing (a portion of) the > 100 tons per year reduction group for West Virginia, DAQ identified emission reductions of 1,036.2 tons/O₃ season from 2011 to 2017 from either process or facility shutdowns. A summary of the emissions by sources are provided below in Table 6 (same table as provided in the body of the report).

¹ EPA, *Assessment of Non-EGU NO_x Emission Controls, Cost of Controls, and Time for Compliance Final TSD*, August 2016.

Table 6
West Virginia
Non-EGU Sources in the > 100 Tons Per Year Reduction Group

SOURCES	Total 2011 NO_x Emissions (tons)	Total 2016 NO_x Emissions (tons)
Boilers & Process Heaters	1,080.82	924.15
By-Product Coke Manufacturing	681.32	504.20 ³
Coal Cleaning – Thermal Dryer	150.88	109.75
Gas Turbines	277.05	178.15
ICI Boilers	5,043.18	3,753.68
Incinerators	103.58	67.65
Natural Gas RICE Miscellaneous	6,283.30	3,647.07
Natural Gas RICE Pipeline Compressors, Lean Burn/Clean Burn	6,772.89	4,607.78
Natural Gas RICE Pipeline Compressors, Rich Burn	363.93	37.91
Cement Kilns	1,494.50	952.50
TOTAL (tons/year)	22,251.45	14,782.84
Emission Reduction (tons) Due to Process Shutdowns	975.12	
Emission Reduction (tons) Due to Process Shutdowns in 2017	1,383.57 ¹	
Emission Reduction (tons) Due to Facility Shutdowns	162.58	
Emission Reduction (tons) Due to Facility No Longer Covered Under Title V	699.57 ²	

¹The process that shutdown in 2017 had reported emissions of 1,549.13 ton/year in 2011 and 1,318.6 tons/year in 2016. The 2017 permitted NO_x emission limit is 55.19 tons/year for new Boilers 16, 17, and 18 (each) and 17.17 tons/year for new Boiler 19 and 20 (each). The reduction in emissions from 2011 (actuals) to 2017 (potential) is 1,349.23.

²The total tons/year for facilities identified as being no longer Title V Facilities was ignored.

³Zero (0) emissions were reported in the CoST tool due to an unidentified SCC used. Actual emissions from Mountain State Carbon, LLC are reported from WV SLEIS.

Detailed emission reductions attributed to facility process shutdowns, facility shutdowns, and facilities no longer covered under Title V are summarized in a table below.

STATUS	SCC	NOx Emissions (tons)		
		2011	2016	2017 (permitted)
PROCESS SHUTDOWN				
Boiler & Process Heaters				
<i>Union Carbide Corp., So. Charleston Facility (54-039-00003)</i>				
Pwrhse Boiler # 25 Vap. Res.	10200799	0.02	0	
Gas Turbines				
<i>Adaline 7C6600 (54-051-00100)</i>				
'8106	20200201	0	0	
ICI Boilers				
<i>Columbia Gas - Frametown 4C1180 (54-007-00100)</i>				
BLR1	10200603	0.3	0	
<i>Jupiter Aluminum Corporation - Beech Bottom Plant (54-009-00004)</i>				
CCL2 Chemical Dryer	10200603	0.05	0	
CCL2 Curing Over	10200602	0.02	0	
CCL2 RTO (CO3)	10200603	0.19	0	
<i>Glenville Compressor Station #37 (54-021-00010)</i>				
Hot Water Heater	10200603	0.01	0	
<i>Arcelormittal Weirton Inc. (54-029-00001)</i>				
Blast Furnace Gas	10200704	0	0	
Mixed Gas	10200601	75.13	0	
<i>Chemours - Belle (54-039-00001)</i>				
SAR Converter Preheater	10200602	0	0	
SAR Process Air Preheater	10200602	0	0	
<i>Bayer CropScience (54-039-00007)</i>				
480 No. 2 Boiler - Gas	10200601	0	0	
480 No. 2 Boiler - Residues	10200601	0	0	
480 No. 3 Boiler - Gas	10200601	31.51	0	
480 No. 3 Boiler - Residues	10200601	111.32	0	
480 No. 4 Boiler - Gas	10200601	21.74	0	
480 No. 4 Boiler - Residues	10200601	60.29	0	
480 No. 5 Boiler - Gas	10200601	0.3	0	
480 No. 5 Boiler - Residues	10200601	0	0	
<i>Clendenin 4C1200 (54-039-00048)</i>				
BLR3	10200603	0.12	0	
<i>CAMC - General Division (54-039-00057)</i>				
Boiler #1 Natural Gas	10200602	1.78	0	
<i>Columbia Gas - Hubbal 4C4510 (54-043-00002)</i>				
BLR2	10200603	0	0	
<i>Novelis (54-049-00038)</i>				
#3 Furnace	10200602	0	0	
<i>M&G Polymers USA, LLC (54-053-00054)</i>				
#1 Boiler	10200602	0	0	
#2 Boiler	10200602	0	0	
#3 Boiler	10200602	0	0	
<i>Cytec Industries (54-073-00003)</i>				
Oil Heater	10200602	2.78	0	
<i>Saint-Gobain/Norton Ind. Ceramics Corp. (54-097-00001)</i>				
Steam Boiler	10200603	0	0	
<i>Ceredo 4C3360 (54-099-00013)</i>				
BLR1	10200603	0.68	0	
<i>Equitrans, L.P. - Logansport Compressor Station #49 (54-103-00033)</i>				
Dehy #1 (Drybed)	10200603	0.19	0	
Natural Gas RICE Miscellaneous				
<i>Burnsville Compressor Station #71 (54-007-00006)</i>				
Engine #1	20200202	0	0	
<i>Dominion - Camden Compressor Station (54-041-00010)</i>				
Air Compressor	20300201	0	0	
<i>Dominion - Sweeney Compressor Station (54-041-00012)</i>				
Air Compressor	20300201	0	0	
<i>Dominion - Hastings Compressor Station (54-103-00006)</i>				
APU - WAUKESHA	20300201	0.07	0	
Natural Gas RICE Pipeline Compressors, Lean Burn/Clean Burn				
<i>Columbia Gas - Frametown 4C1180 (54-007-00100)</i>				
045G4	20200254	0.02	0	

STATUS	SCC	NOx Emissions (tons)		
		2011	2016	2017 (permitted)
<i>Clendenin 4C1200 (54-039-00048)</i>				
'05801	20200254	0	0	
'05802	20200254	0.38	0	
'05805	20200254	37.28	0	
<i>Columbia Gas - Hubbal 4C4510 (54-043-00002)</i>				
'01603	20200252	0	0	
<i>Columbia Gas - Files Creek 6C4340 (54-083-00019)</i>				
'00901	20200252	103.45	0	
'00902	20200252	90.2	0	
'00903	20200252	88.33	0	
'00904	20200252	119.26	0	
'00905	20200252	116.24	0	
'00906	20200252	113.1	0	
Natural Gas RICE Pipeline Compressors, Rich Burn				
<i>Glenville 4C1170 (54-021-0001)</i>				
'013G2	20200253	0	0	
<i>Files Creek 6C4340 (54-083-00019)</i>				
'009G1	20200253	0.19	0	
'009G2	20200253	0.17	0	
<i>Ceredo 4C3360 (54-099-00013)</i>				
'005G1	20200253	0	0	
'005G2	20200253	0	0	
TOTAL		975.12	0	
PROCESS SHUTDOWN (2017)				
ICI Boilers				
<i>Bayer CropScience (54-039-00007)</i>				
480 No. 10 Boiler - Coal	10200202	493.95	529.00	
480 No. 10 Boiler - Gas	10200601	20.13	91.20	
480 No. 11 Boiler - Coal	10200202	492.44	368.00	
480 No. 11 Boiler - Gas	10200601	20.07	63.50	
480 No. 12 Boiler - Coal	10200202	502.09	266.00	
480 No. 12 Boiler - Gas	10200601	20.46	0.90	
Boiler No. 16 - Natural Gas				55.19
Boiler No. 17 - Natural Gas				55.19
Boiler No. 18 - Natural Gas				55.19
TOTAL		1549.14	1318.60	165.57
FACILITY SHUTDOWN				
ICI Boilers				
<i>Sabco Innovative Plastics US LLC (54-107-00010)</i>				
Process Steam Generation	10200601	41.96	0	
Process Steam Generation	10200602	3.53	0	
Natural Gas RICE Miscellaneous				
<i>Wolf Pen Compressor Station (54-109-00107)</i>				
CE-1 Compressor Engine	20300201	117.09	0	
CE-2 Compressor Engine	20300201	0	0	
CE-3 Compressor Engine	20300201	0	0	
CE-4 Compressor Engine	20300201	0	0	
TOTAL		162.58	0	
FACILITY w/ACTIVE PERMIT -SHUTDOWN				
Coal Cleaning - Thermal Dryer				
<i>Second Sterling Corp. - Keystone No. 1 (54-047-00008)</i>				
Coal Drying	30501001	15.83	0	
ICI Boilers				
<i>Monongahela Power Co. - Rivesville PS (54-049-00009)</i>				
Auxiliary Boiler 9A	10300602	0.23	0	
Auxiliary Boiler 9B	10300602	0.02	0	
Natural Gas RICE Pipeline Compressors, Lean Burn/Clean Burn				
<i>Horsemill Compressor Station (54-039-00075)</i>				
Superior 600 HP	20200252	48.9	0	
Superior 800 HP	20200252	21.26	0	
<i>Heizer Compressor Station (54-079-00046)</i>				
Clark 440 HP	20200252	12.22	0	
Cooper 880 HP	20200252	28.91	0	
<i>Bradley Compressor Station (54-109-00017)</i>				
CAT G3508 TA	20200254	9.8	0	
Catepillar G3516LE	20200256	19.53	0	
Catepillar G3606 1775	20200256	11.7	0	
White 8GT825 1,100	20200256	20.82	0	
TOTAL		189.22	0	

STATUS	SCC	NOx Emissions (tons)		
		2011	2016	2017 (permitted)
NO LONGER TITLE V FACILITY				
ICI Boilers				
<i>QG Printing II Corp. (54-003-00018)</i>				
Dryer 3	10200603	0.4		
Dryer 4	10200603	0.77		
Dryer 5	10200603	0.03		
Dryer 6	10200603	0.37		
Dryer 7	10200603	0.17		
<i>Majorsville 7C5510/20 (54-051-00025)</i>				
BLR4	10200603	0.39		
BLR5	10200603	0		
HTR3	10200603	0		
<i>Rockport 4C4570 (54-107-00100)</i>				
BLR2	10200603	0.3		
HTR1	10200603	0.38		
HTR2	10200603	0.05		
<i>Bradley Compressor Station (54-109-00017)</i>				
Reboiler	10200603	1.07		
Natural Gas RICE Miscellaneous				
<i>Dominion - Kennedy Compressor Station (54-041-00011)</i>				
Engine 1	20300201	13.51		
Engine 2	20300201	169.31		
Natural Gas RICE Pipeline Compressors, Lean Burn/Clean Burn				
<i>Majorsville 7C5510/20 (54-051-00025)</i>				
'14201	20200254	109.53		
'14202	20200254	133.34		
'14203	20200254	99.97		
'14204	20200254	87.8		
'14206	20200252	0		
Natural Gas RICE Pipeline Compressors, Rich Burn				
<i>Majorsville 7C5510/20 (54-051-00025)</i>				
142G1	20200253	0.03		
142G2	20200253	0		
<i>Rockport 4C4570 (54-107-00100)</i>				
'17301	20200253	19.83		
'17302	20200253	18.6		
'17303	20200253	7.05		
'173A1	20200253	0.04		
'173G1	20200253	0.08		
	TOTAL	663.02		

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Documentation to Support Process Shutdowns

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Process Shutdowns 2011-2016

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Processes Shutdown 2011 - 2016

WV Facility ID	Facility Name	Emission Unit ID	Unit Description	Process ID	Process Description	Emission Unit Status	Emission Unit Status Date	Final Year Emissions Reported
54-001-00100	DOMINION - PEPPER COMPRESSOR STATION	006	VENTED EMISSIONS	4	VENTED EMISSIONS	PS	1/1/2013	2012
54-003-00006	ARGOS USA - MARTINSBURG	001	PRIMARY CRUSHING	1	PRIMARY CRUSHING	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	001	PRIMARY CRUSHING	2	TRUCK DUMP INTO CRUSHER	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	001	PRIMARY CRUSHING	3	DISCHARGE TO 40T BIN	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	001	PRIMARY CRUSHING	4	40T BIN TO FEEDER	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	001	PRIMARY CRUSHING	5	FEEDER TO 1011, 1011-1007	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	001	PRIMARY CRUSHING	6	DISCHARGE TO SURGE PILE	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	001	PRIMARY CRUSHING	7	LOAD/UNLOAD SURGE STONE	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	002	SECONDARY CRUSHING	1	SECONDARY CRUSHER	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	002	SECONDARY CRUSHING	2	BELT 999,1000,1001	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	002	SECONDARY CRUSHING	3	999 BELT DISCH TO 998	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	002	SECONDARY CRUSHING	4	999 BELT DISCH-STOCKPILE	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	002	SECONDARY CRUSHING	5	CONVEYOR1005/CONVEYOR1004	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	002	SECONDARY CRUSHING	6	SCREEN DISCHARGE TO 1002	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	004	BUILDING 30 SCREENING SYS	1	STORAGE BAYS TO BLDG 30	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	004	BUILDING 30 SCREENING SYS	2	#1 TERTIARY CRUSHING TORI	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	004	BUILDING 30 SCREENING SYS	3	BUILDING 30 NORBLO	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	004	BUILDING 30 SCREENING SYS	4	HAMMERMILL 916 DISCHARGE	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	004	BUILDING 30 SCREENING SYS	5	ROOF BELT EAST 912	PS	1/1/2015	2014
54-003-00006	ARGOS USA - MARTINSBURG	004	BUILDING 30 SCREENING SYS	6	STONE BELT TO CRANEWAY	PS	1/1/2015	2014
54-003-00133	IRS MARTINSBURG CENTER CAMPUS	MC1	B2-001C, B2-002C, B2-003C	1	MAIN BOILERS	PS	1/1/2015	2014
54-003-00133	IRS MARTINSBURG CENTER CAMPUS	MT1	B2-001T, B2-002T	MT1	TEMP BOILERS MEP	PS	1/1/2015	2014
54-007-00006	Equitrans L.P. - BURNSVILLE COMPRESSOR STATION #71	001	ENGINE #1	1	ENGINE #1	PS	1/1/2015	2014
54-007-00016	WEYERHAEUSER NR COMPANY - SUTTON OSB	39	WAX/RESIN TANK HEATER	1	WAX/RESIN HEATER	PS	1/1/2012	2011
54-007-00100	Columbia Gas - FRAMETOWN 4C1180	001	BLR1	1	BLR1	PS	1/1/2014	2013
54-007-00100	Columbia Gas - FRAMETOWN 4C1180	011	045G4	1	045G4	PS	1/1/2014	2013
54-009-00002	MOUNTAIN STATE CARBON, LLC	012	IRON ORE STORAGE PILE	1	IRON ORE STORAGE PILE	PS	1/1/2014	2013
54-009-00002	MOUNTAIN STATE CARBON, LLC	013	FLUE DUST STORAGE PILE	1	FLUE DUST STORAGE PILE	PS	1/1/2014	2013
54-009-00002	MOUNTAIN STATE CARBON, LLC	014	ROLL SCALE STORAGE PILE	1	ROLL SCALE STORAGE PILE	PS	1/1/2014	2013
54-009-00002	MOUNTAIN STATE CARBON, LLC	015	LIMESTONE/DOLOMITE STORAG	1	LIMESTONE/DOLOMITE STORAG	PS	1/1/2014	2013
54-009-00002	MOUNTAIN STATE CARBON, LLC	020	SINTER PLANT	1	WINDBOX	PS	1/1/2016	2015
54-009-00002	MOUNTAIN STATE CARBON, LLC	020	SINTER PLANT	2	DISCHARGE END	PS	1/1/2016	2015
54-009-00002	MOUNTAIN STATE CARBON, LLC	020	SINTER PLANT	3	MATERIAL HANDLING	PS	1/1/2016	2015
54-009-00004	Jupiter Aluminum Corporation - Beech Bottom Plant	007	STORAGE TANKS	1	DIESEL STORAGE TANK #1	PS	1/1/2013	2012
54-009-00004	Jupiter Aluminum Corporation - Beech Bottom Plant	007	STORAGE TANKS	3	GASOLINE STORAGE TANK	PS	1/1/2013	2012
54-009-00004	Jupiter Aluminum Corporation - Beech Bottom Plant	007	STORAGE TANKS	4	Small Parts Cleaning	PS	1/1/2013	2012
54-009-00004	Jupiter Aluminum Corporation - Beech Bottom Plant	007	STORAGE TANKS	5	ROLL FORMING OIL USE	PS	1/1/2013	2012
54-009-00004	Jupiter Aluminum Corporation - Beech Bottom Plant	008	COIL COATING LINE #2	2	CCL2 CHEMICAL DRYER	PS	1/1/2013	2012
54-009-00004	Jupiter Aluminum Corporation - Beech Bottom Plant	008	COIL COATING LINE #2	3	CCL2 COATER ROOM	PS	1/1/2013	2012
54-009-00004	Jupiter Aluminum Corporation - Beech Bottom Plant	008	COIL COATING LINE #2	4	CCL2 CURING OVEN	PS	1/1/2013	2012

WV Facility ID	Facility Name	Emission Unit ID	Unit Description	Process ID	Process Description	Emission Unit Status	Emission Unit Status Date	Final Year Emissions Reported
54-009-00004	Jupiter Aluminum Corporation - Beech Bottom Plant	008	COIL COATING LINE #2	5	CCL2 QUENCH TANK	PS	1/1/2013	2012
54-009-00004	Jupiter Aluminum Corporation - Beech Bottom Plant	008	COIL COATING LINE #2	6	CCL2 RTO (CO3)	PS	1/1/2013	2012
54-009-00004	Jupiter Aluminum Corporation - Beech Bottom Plant	009	FIRE PROTECTION EQUIPMENT	1	FIRE PROTECTION EQUIPMENT	PS	1/1/2016	2015
54-011-00062	BIMBO BAKERIES USA, INC.	004	FLOUR STORAGE/HANDLING	1	FLOUR STORAGE/HANDLING	PS	1/1/2012	2011
54-011-00062	BIMBO BAKERIES USA, INC.	007	STORAGE TANKS	1	DIESEL STORAGE TANKS	PS	1/1/2013	2012
54-011-00062	BIMBO BAKERIES USA, INC.	007	STORAGE TANKS	2	GASOLINE STORAGE TANK	PS	1/1/2013	2012
54-013-00001	DOMINION - YELLOW CREEK CS	008	VENTED EMISSIONS	6	VENTED EMISSIONS	PS	1/1/2013	2012
54-013-00002	DOMINION - ORMA COMPRESSOR STATION	003	DEHYDRATOR - 1514R	3	DEHYDRATOR	PS	1/1/2014	2013
54-013-00002	DOMINION - ORMA COMPRESSOR STATION	007	VENTED EMISSIONS	5	VENTED EMISSIONS	PS	1/1/2013	2012
54-017-00011	DOMINION - WEST UNION PLANT	006	VENTING	3	VENTING	PS	1/1/2013	2012
54-017-00100	DOMINION - SCHUTTE COMPRESSOR STATION	003	DEHYDRATOR (Shutdown)	3	DEHYDRATOR (Shutdown)	PS	1/1/2013	2012
54-017-00100	DOMINION - SCHUTTE COMPRESSOR STATION	006	VENTED EMISSIONS	4	VENTED EMISSIONS	PS	1/1/2013	2012
54-019-00001	WEST VIRGINIA ALLOYS, INC.	011	DELETE	1	MATERIAL CRUSHING	PS	1/1/2015	2014
54-019-00001	WEST VIRGINIA ALLOYS, INC.	012	DELETE	1	CRUSHING/SCREENING	PS	1/1/2015	2014
54-019-00001	WEST VIRGINIA ALLOYS, INC.	017	DELETE	1	FURNACE NO. 5 EMISSIONS	PS	1/1/2013	2012
54-021-00001	Columbia Gas - GLENVILLE 4C1170	012	FLLP1	1	FLLP1	PS	1/1/2015	2014
54-021-00001	Columbia Gas - GLENVILLE 4C1170	017	O13G2	1	O13G2	PS	1/1/2015	2014
54-021-00002	DOMINION - JONES COMPRESSOR STATION	007	VENTED EMISSIONS	5	VENTED EMISSIONS	PS	1/1/2013	2012
54-021-00010	Equitrans, L.P. - GLENVILLE COMPRESSOR STATION #37	007	HOT WATER HEATER	1	HOT WATER HEATER	PS	1/1/2016	2015
54-023-00003	Dominion Resources, Inc. - MOUNT STORM POWER STATION	016	SYNFUEL	1	SYNFUEL HANDLING	PS	1/1/2012	2011
54-023-00003	Dominion Resources, Inc. - MOUNT STORM POWER STATION	016	SYNFUEL	2	SYNFUEL PROCESSING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	001	COKE BATTERY NO 7	1	COAL CHARGING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	001	COKE BATTERY NO 7	2	DOOR AND TOPSIDE LEAKS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	001	COKE BATTERY NO 7	3	PUSHING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	001	COKE BATTERY NO 7	4	QUENCHING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	001	COKE BATTERY NO 7	5	UNDERFIRING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	001	COKE BATTERY NO 7	6	COAL TRANSFER AND CONVEY	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	001	COKE BATTERY NO 7	7	COKE CRUSH AND SCREEN	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	002	COKE BATTERY NO 8	1	COAL CHARGING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	002	COKE BATTERY NO 8	2	DOOR TOPSIDE LEAKS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	002	COKE BATTERY NO 8	3	PUSHING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	002	COKE BATTERY NO 8	4	QUENCHING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	002	COKE BATTERY NO 8	5	UNDERFIRING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	002	COKE BATTERY NO 8	6	COAL CONVEY AND HANDLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	002	COKE BATTERY NO 8	7	COAL CONVEY AND HANDLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	003	BI COKE BATTERY	1	COAL CHARGING - STAGED	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	003	BI COKE BATTERY	2	DOOR AND TOPSIDE LEAKS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	003	BI COKE BATTERY	3	PUSHING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	003	BI COKE BATTERY	4	QUENCHING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	003	BI COKE BATTERY	5	UNDERFIRING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	004	SINTER PLANT	1	DISCHARGE 1	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	004	SINTER PLANT	2	DISCHARGE 2	PS	1/1/2012	2011

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54-029-00001	ARCELORMITTAL WEIRTON LLC	004	SINTER PLANT	3	ROOF MONITOR EMISSIONS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	004	SINTER PLANT	4	WINDBOX 1	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	004	SINTER PLANT	5	WINDBOX 2	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	026	NO 1 BLAST FURNACE	1	FURNACE CHARGING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	026	NO 1 BLAST FURNACE	10	COKE HANDLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	026	NO 1 BLAST FURNACE	11	ORE STORAGE PILES	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	026	NO 1 BLAST FURNACE	12	SLAG GRANULATION	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	026	NO 1 BLAST FURNACE	13	BF COOLING TOWER	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	026	NO 1 BLAST FURNACE	14	LADLE HOUSE FUEL USAGE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	026	NO 1 BLAST FURNACE	15	LADLE SPRAYING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	026	NO 1 BLAST FURNACE	2	HEATING STOVES	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	026	NO 1 BLAST FURNACE	3	CASTHOUSE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	026	NO 1 BLAST FURNACE	4	SLIPS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	026	NO 1 BLAST FURNACE	5	FLUE DUST	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	026	NO 1 BLAST FURNACE	6	MISC EMISSIONS-MATL HANDL	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	026	NO 1 BLAST FURNACE	7	FLARE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	026	NO 1 BLAST FURNACE	9	BF FUME SUPPRESSION	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	029	NO 4 BLAST FURNACE	1	UNLOADING INTO FURNACE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	029	NO 4 BLAST FURNACE	10	COKE HANDLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	029	NO 4 BLAST FURNACE	11	ORE STORAGE PILES	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	029	NO 4 BLAST FURNACE	2	HEATING STOVES	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	029	NO 4 BLAST FURNACE	3	CASTHOUSE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	029	NO 4 BLAST FURNACE	4	SLIPS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	029	NO 4 BLAST FURNACE	5	FLUE DUST	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	029	NO 4 BLAST FURNACE	6	MISC EMISSIONS-MATL HANDL	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	029	NO 4 BLAST FURNACE	7	FLARE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	029	NO 4 BLAST FURNACE	9	BF FUME SUPPRESSION	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	1	NO 6 BOP VESSEL	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	14	CASTER	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	15	#1 DEGASSER	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	16	#2 DEGASSER	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	17	BOP LADLE DRYERS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	18	CASTER LADLE DRYERS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	2	NO 7 BOPVESSEL	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	20	GENERAL NATURAL GAS USAGE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	21	HOT METAL DESULFURIZATION	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	22	CAS-OB	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	23	MATRL HANDLING FLUX/LIME	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	25	LADLE SPRAYING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	26	ROOF MONITOR EMISSIONS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	27	ROOF MONITOR HOT METAL TR	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	5	BOP CONTINUOUS CASTER	PS	1/1/2012	2011

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54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	6	HOT METAL TRANSFER-6&7	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	030	BASIC OXYGEN PLANT	7	SLAG FROM BOTH 6 & 7 VESS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	032	BLOOMING MILL SOAKING PIT	3	NATURAL GAS USAGE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	033	STRIP STEEL	1	REHEAT FURNACE 1	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	033	STRIP STEEL	2	REHEAT FURNACE 2	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	033	STRIP STEEL	3	REHEAT FURNACE 3	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	033	STRIP STEEL	4	REHEAT FURNACE 4	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	038	STRIP STEEL NO 3 PICKLER	2	PICKLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	040	STRIP STEEL NO 7 TANDEM	1	COLD ROLLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	041	STRIP STEEL NO 8 TANDEM	1	COLD ROLLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	043	STRIP STEEL NO 7 SKIN MILL	1	COLD ROLLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	044	STRIP STEEL NO 8 SKIN MILL	1	COLD ROLLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	045	STRIP STEEL BATCH ANNEAL	1	HEAT TREATING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	046	HCL PLANT NO 1 UNIT	1	NATURAL GAS USAGE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	050	SHEET MILL ANNEALS	1	HEAT TREATING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	051	SHEET MILL TEMPER MILL	1	COLD ROLLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	052	SHEET MILL NO 3 GALVANIZE	2	ANNEAL FURNACE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	052	SHEET MILL NO 3 GALVANIZE	3	CHROMIUM TREATING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	053	SHEET MILL NO 4 GALVANIZE	2	ANNEAL FURNACE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	053	SHEET MILL NO 4 GALVANIZE	3	CHROMIUM TREATING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	053	SHEET MILL NO 4 GALVANIZE	4	PILOT	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	054	SHEET MILL NO 5 GALVANIZE	2	ANNEAL FURNACE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	054	SHEET MILL NO 5 GALVANIZE	3	CHROMIUM TREATING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	054	SHEET MILL NO 5 GALVANIZE	4	JP FURNACE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	072	TIN MILL NO 1 PLATER	2	CHROMIUM TREATMENT	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	075	TIN MILL NO 5 PLATER	3	COATING-WEIRCHROME	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	079	DETINNING PLANT NO 1	1	NATURAL GAS USAGE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	080	DETINNING PLANT NO 2	1	NATURAL GAS USAGE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	081	CAR THAW BUILDING	1	MIXED GAS USAGE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	082	LADLE HOUSE	1	MIXED GAS USAGE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	083	STOCK HOUSE SCARFING	1	NATURAL GAS USAGE	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	089	#3 HIGH PRESSURE BOILER	1	NATURAL GAS	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	089	#3 HIGH PRESSURE BOILER	2	BLAST FURNACE GAS	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	089	#3 HIGH PRESSURE BOILER	3	#6 FUEL OIL	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	089	#3 HIGH PRESSURE BOILER	4	MIXED GAS	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	090	NO 4 HIGH PRESSURE BOILER	1	NATURAL GAS	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	090	NO 4 HIGH PRESSURE BOILER	2	BLAST FURNACE GAS	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	090	NO 4 HIGH PRESSURE BOILER	3	#6 FUEL OIL	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	090	NO 4 HIGH PRESSURE BOILER	4	MIXED GAS	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	091	NO 5 HIGH PRESSURE BOILER	1	NATURAL GAS	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	091	NO 5 HIGH PRESSURE BOILER	2	BLAST FURNACE GAS	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	091	NO 5 HIGH PRESSURE BOILER	3	#6 FUEL OIL	PS	1/1/2016	2015

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54-029-00001	ARCELORMITTAL WEIRTON LLC	092	FOSTER WHEELER 101 BOILER	1	NATURAL GAS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	092	FOSTER WHEELER 101 BOILER	2	BLAST FURNACE GAS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	093	FOSTER WHEELER 102 BOILER	1	NATURAL GAS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	093	FOSTER WHEELER 102 BOILER	2	BLAST FURNACE GAS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	095	VEOLIA LIME STORAGE SILO	1	LIME STORAGE	PS	1/1/2016	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	0C5	FUEL OIL STORAGE TANKS	1	#6 FUEL OIL TANKS	PS	1/1/2016	2015
54-029-00001	ARCELORMITTAL WEIRTON LLC	0F1	MISC. MATERIAL HANDLING	1	SITE CLEANUP - COKE HANDLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	0F1	MISC. MATERIAL HANDLING	2	SITE CLEANUP - ORE HANDLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	0F1	MISC. MATERIAL HANDLING	3	SITE CLEANUP - OTHER METALLICS - HANDLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	0F1	MISC. MATERIAL HANDLING	4	SITE CLEANUP - MISC MATERIAL HANDLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	0F1	MISC. MATERIAL HANDLING	5	SITE CLEANUP - COAL HANDLING	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	0F2	IMS MATERIAL HANDLING	1	TOTAL IMS OPERATIONS	PS	1/1/2012	2011
54-029-00001	ARCELORMITTAL WEIRTON LLC	0F3	SLAG HANDLING-SITE GRAD.	1	TOTAL SLAG HANDLING	PS	1/1/2016	2015
54-033-00001	GRAFTECH INTERNATIONAL HOLDINGS, INC.	015	BH #2 HOUSE	1	BH #2 HOUSE	PS	1/1/2012	2011
54-033-00001	GRAFTECH INTERNATIONAL HOLDINGS, INC.	030	REMOVED FROM SERVICE	1	#2 COKE BED FILTER	PS	1/1/2012	2011
54-033-00001	GRAFTECH INTERNATIONAL HOLDINGS, INC.	033	REMOVED FROM SERVICE	1	#5 COKE BED FILTER	PS	1/1/2012	2011
54-033-00001	GRAFTECH INTERNATIONAL HOLDINGS, INC.	034	REMOVED FROM SERVICE	1	#4 COKE BED FILTER	PS	1/1/2012	2011
54-033-00001	GRAFTECH INTERNATIONAL HOLDINGS, INC.	035	REMOVED FROM SERVICE	1	#3 COKE BED FILTER	PS	1/1/2012	2011
54-033-00001	GRAFTECH INTERNATIONAL HOLDINGS, INC.	092	BH AC MILL - G50/90 SYSTM	1	AIR CLASSIFYING MILL BH	PS	1/1/2012	2011
54-033-00011	DOMINION - WILSONBURG COMPRESSOR STATION	004	OLD DEHYDRATOR (Shutdown)	4	DEHYDRATOR	PS	1/1/2013	2012
54-033-00011	DOMINION - WILSONBURG COMPRESSOR STATION	007	VENTED EMISSIONS	5	VENTED EMISSIONS	PS	1/1/2013	2012
54-033-00013	DOMINION - SARDIS COMPRESSOR STATION	003	DEHYDRATOR (Shutdown)	3	DEHYDRATOR (Shutdown)	PS	1/1/2013	2012
54-033-00013	DOMINION - SARDIS COMPRESSOR STATION	006	VENTED EMISSIONS	4	VENTED EMISSIONS	PS	1/1/2013	2012
54-033-00014	DOMINION - LAW COMPRESSOR STATION	003	DEHYDRATOR - NATCO	3	DEHYDRATOR	PS	1/1/2014	2013
54-033-00014	DOMINION - LAW COMPRESSOR STATION	004	AIR COMPRESSOR- I-R 15T	4	AIR COMPRESSOR	PS	1/1/2013	2012
54-033-00014	DOMINION - LAW COMPRESSOR STATION	007	VENTED EMISSIONS	5	VENTED EMISSIONS	PS	1/1/2013	2012
54-033-00100	DOMINION - BRIDGEPORT COMPRESSOR STATION	010	VENTED EMISSIONS	3	VENTED EMISSIONS	PS	1/1/2012	2011
54-033-00100	DOMINION - BRIDGEPORT COMPRESSOR STATION	010	VENTED EMISSIONS	4	VENTED EMISSIONS	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	511	AMIDE RX/PTZ TANK	1	AMIDE RX/PTZ TANK	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	512	METHACRYLAMIDE PROCESS	1	AMIDE FUGITIVE EMISSIONS	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	512	METHACRYLAMIDE PROCESS	3	24 TANK VENT	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	531	MAA PROCESS	10	MAA REFINER JET SUMP	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	531	MAA PROCESS	2	MAA REFINER VACUUM JET VE	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	531	MAA PROCESS	6	FUGITIVE EMISSIONS	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	531	MAA PROCESS	7	MISC. EMISSION SOURCES	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	531	MAA PROCESS	8	MAA PRODUCT TANKS	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	531	MAA PROCESS	9	MAA CRUDE TANK VENT	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	541	SAR PROCESS	4	#2 SPENT ACID STORAGE TNK	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	541	SAR PROCESS	5	#3 SPENT ACID STORAGE TNK	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	542	SAR PROCESS AIR PREHEATER	1	SAR PROCESS AIR PREHEATER	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	543	SAR CONV PREHEATER	1	SAR CONVERTER PREHEATER	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	CC	HEXAZINONE INTERMEDIATE	1	PROCESS VENT STACK	PS	1/1/2016	2015

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54-039-00001	Chemours - Belle	CC	HEXAZINONE INTERMEDIATE	10	FUGITIVE EMISSIONS	PS	1/1/2016	2015
54-039-00001	Chemours - Belle	CC	HEXAZINONE INTERMEDIATE	14	HEX THERMAL OXIDIZER	PS	1/1/2016	2015
54-039-00001	Chemours - Belle	CC	HEXAZINONE INTERMEDIATE	15	SCRUBBER PROCESS VENT STA	PS	1/1/2016	2015
54-039-00001	Chemours - Belle	GG	SULFONYLUREA INTERMEDIATE	1	FUGITIVE EMISSIONS	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	GG	SULFONYLUREA INTERMEDIATE	2	P. VENT AFTERBURNER/SCRUB	PS	1/1/2012	2011
54-039-00001	Chemours - Belle	GG	SULFONYLUREA INTERMEDIATE	3	PARTICULATE MATTER	PS	1/1/2012	2011
54-039-00003	UNION CARBIDE CORP -SO CHARLESTON FAC.	B6	021 - IPH BOILER #25	1	PWRHSE BOILER #25 COAL	PS	1/1/2013	2012
54-039-00003	UNION CARBIDE CORP -SO CHARLESTON FAC.	B6	021 - IPH BOILER #25	2	PWRHSE BOILER #25 NAT GAS	PS	1/1/2013	2012
54-039-00003	UNION CARBIDE CORP -SO CHARLESTON FAC.	B6	021 - IPH BOILER #25	3	PWRHSE BOILER #25 LIQ RES	PS	1/1/2013	2011
54-039-00003	UNION CARBIDE CORP -SO CHARLESTON FAC.	B6	021 - IPH BOILER #25	4	PWRHSE BOILER #25 VAP RES	PS	1/1/2013	2012
54-039-00003	UNION CARBIDE CORP -SO CHARLESTON FAC.	C1	031-NO.CHAS. DISTRIBUTION	1	NC TANKS/LOADING VENTS	PS	1/1/2014	2013
54-039-00003	UNION CARBIDE CORP -SO CHARLESTON FAC.	C1	031-NO.CHAS. DISTRIBUTION	2	NC FUGITIVE & SECONDARY	PS	1/1/2014	2013
54-039-00003	UNION CARBIDE CORP -SO CHARLESTON FAC.	I3	223 - GUM BASE	2	GBP FUGITIVE/SECONDARY	PS	1/1/2014	2013
54-039-00003	UNION CARBIDE CORP -SO CHARLESTON FAC.	I3	223 - GUM BASE	3	GBP POINT SOURCES	PS	1/1/2014	2013
54-039-00003	UNION CARBIDE CORP -SO CHARLESTON FAC.	REM	REMEDIATION	1	Remediation CLB AS/SVE Pilot	PS	1/1/2012	2012
54-039-00003	UNION CARBIDE CORP -SO CHARLESTON FAC.	REM	REMEDIATION	2	GW SAMPLES-SECONDARY	PS	1/1/2012	2011
54-039-00003	UNION CARBIDE CORP -SO CHARLESTON FAC.	REM	REMEDIATION	3	CLH PILOT	PS	1/1/2012	2011
54-039-00003	UNION CARBIDE CORP -SO CHARLESTON FAC.	REM	REMEDIATION	4	MI PUMP TEST	PS	1/1/2012	2011
54-039-00003	UNION CARBIDE CORP -SO CHARLESTON FAC.	REM-2	Remediation CLB AS/SVE Pilot	1	Remediation CLB AS/SVE Pilot	PS	1/1/2013	2012
54-039-00004	UNION CARBIDE CORPORATION - UCC TECHNOLOGY PARK OPERATIONS	OP1	POLYMERS PT SRCE-NO FLARE	1	POLYMERS PT SRCE-NO FLARE	PS	1/1/2012	2011
54-039-00004	UNION CARBIDE CORPORATION - UCC TECHNOLOGY PARK OPERATIONS	OP1	POLYMERS PT SRCE-NO FLARE	2	POLYMERS BULK GAS GEN	PS	1/1/2012	2011
54-039-00004	UNION CARBIDE CORPORATION - UCC TECHNOLOGY PARK OPERATIONS	D1	B6000 DIESEL TANK	1	B6000 DIESEL TANK	PS	1/1/2013	2012
54-039-00004	UNION CARBIDE CORPORATION - UCC TECHNOLOGY PARK OPERATIONS	GV7	GENERATOR GV7	1	GV7 GENERATOR	PS	1/1/2013	2012
54-039-00004	UNION CARBIDE CORPORATION - UCC TECHNOLOGY PARK OPERATIONS	GV8	GENERATOR GV8	1	GV8 GENERATOR	PS	1/1/2013	2012
54-039-00004	UNION CARBIDE CORPORATION - UCC TECHNOLOGY PARK OPERATIONS	P7	POLYMERS Gas-Fired Boiler SB2	Natural Gas Boilers2	POLYMERS Natural Gas Boiler SB2	PS	1/1/2012	2011
54-039-00004	UNION CARBIDE CORPORATION - UCC TECHNOLOGY PARK OPERATIONS	P8	POLYMERS Gas-Fired Boiler SB3	Natural Gas Boilers3	POLYMERS-Natural Gas Fired Boiler SB-3	PS	1/1/2012	2011
54-039-00004	UNION CARBIDE CORPORATION - UCC TECHNOLOGY PARK OPERATIONS	UNI	UNIVATION	1	UNIV PROC VENTS-NOT FLARE	PS	1/1/2013	2012
54-039-00004	UNION CARBIDE CORPORATION - UCC TECHNOLOGY PARK OPERATIONS	UNI	UNIVATION	2	UNIV PROC VNTS-FLARE	PS	1/1/2013	2012
54-039-00004	UNION CARBIDE CORPORATION - UCC TECHNOLOGY PARK OPERATIONS	UNI	UNIVATION	3	UNIVATION FUGITIVES	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	006	243 FUGITIVE EMISSIONS	1	243 FUGITIVE EMISSIONS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	007	242 FLARE/INCINERATR FUEL	1	242 FLARE/INCINERATR FUEL	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	008	242 FUGITIVE EMISSIONS	1	242 FUGITIVE EMISSIONS	PS	1/1/2015	2012
54-039-00007	BAYER CROPSCIENCE - Institute	009	250 FUGITIVE EMISSIONS	1	250 FUGITIVE EMISSIONS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	010	251 FUGITIVE EMISSIONS	1	251 FUGITIVE EMISSIONS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	011	253 FUGITIVE EMISSIONS	1	253 FUGITIVE EMISSIONS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	012	254 DOWTHERM FUEL BURNING	1	254 DOWTHERM FUEL BURNING	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	013	260 FUGITIVE EMISSIONS	1	260 FUGITIVE EMISSIONS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	015	330 FUGITIVE EMISSIONS	1	330 FUGITIVE EMISSIONS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	016	331 FUGITIVE EMISSIONS	1	331 FUGITIVE EMISSIONS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	030	480 NO. 2 BOILER - GAS	1	480 NO. 2 BOILER - GAS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	031	480 NO. 2 BOILER-RESIDUES	1	480 NO.2 BOILER-RESIDUES	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	040	480 NO. 3 BOILER - GAS	1	480 NO. 3 BOILER - GAS	PS	1/1/2013	2012

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54-039-00007	BAYER CROPSCIENCE - Institute	041	480 NO. 3 BOILER-RESIDUES	1	480 NO. 3 BOILER-RESIDUES	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	050	480 NO. 4 BOILER - GAS	1	480 NO. 4 BOILER - GAS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	051	480 NO. 4 BOILER-RESIDUES	1	480 NO. 4 BOILER-RESIDUES	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	060	480 NO. 5 BOILER - GAS	1	480 NO. 5 BOILER - GAS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	061	480 NO. 5 BOILER-RESIDUES	1	480 NO. 5 BOILER-RESIDUES	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0AA	242/243 PROCESS&TK -FLARE	1	242/243 PROCESS&TK -FLARE	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	OCA	242 PROCESS&TK-INCINERATR	1	242 PROCESS&TK-INCINERATR	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	ODX	242 PROCESS & TK-SCRUBBER	1	242 PROCESS & TK-SCRUBBER	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0EA	250 PROCESS VENTS	1	250 PROCESS VENTS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0FA	250 TANK VENTS	1	250 TANK VENTS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0GA	251 PROCESS & TANK VENTS	1	251 PROCESS & TANK VENTS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0HA	252 ALL EMISSIONS	1	252 ALL EMISSIONS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0IA	253 PROCESS VENTS	1	253 PROCESS VENTS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0JA	253 TANK & LOADING VENTS	1	253 TANK & LOADING VENTS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0KA	254 TANK & FUG EMISSIONS	1	254 TANK & FUG EMISSIONS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0LA	260 PROCESS VENTS	1	260 PROCESS VENTS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0MA	260 TANK VENTS	1	260 TANK VENTS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0NA	261 ALL EMISSIONS	1	261 ALL EMISSIONS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0OA	262 ALL EMISSIONS	1	262 ALL EMISSIONS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0PA	310 PROCESS,TK & FUGITIVE	1	310 PROCESS,TK & FUGITIVE	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0RA	290 FLARE & INCINERATOR	1	290 FLARE & INCINERATOR	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0SA	290 ALL VOCS	1	290 ALL VOCS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0UX	332 TANK T-40 VENT	1	332 TANK T-40 VENT	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0WA	320 CARBOFURAN-ALL EMIS.	1	PROC,TANK,FUG EMISSIONS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0XA	320 CARBOSULFAN-ALL EMIS.	1	PROC,TANK,FUG EMISSIONS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0YA	800 OXAMYL-ALL EMIS.	1	PROC,TANK,FUG EMISSIONS	PS	1/1/2013	2012
54-039-00007	BAYER CROPSCIENCE - Institute	0YB	800 BPMC-ALL EMIS.	1	BPMC - PROC,TANKS,FUG	PS	1/1/2013	2012
54-039-00048	Columbia Gas - CLENDENIN 4C1200	003	05801	1	05801	PS	1/1/2013	2012
54-039-00048	Columbia Gas - CLENDENIN 4C1200	004	05802	1	05802	PS	1/1/2013	2012
54-039-00048	Columbia Gas - CLENDENIN 4C1200	007	05805	1	05805	PS	1/1/2016	2015
54-039-00048	Columbia Gas - CLENDENIN 4C1200	017	BLR3	1	BLR3	PS	1/1/2013	2012
54-039-00051	DOMINION - CORNWELL COMPRESSOR STATION	018	AIR COMPRESSOR	18	AIR COMPRESSOR-ONAN	PS	1/1/2012	2011
54-039-00051	DOMINION - CORNWELL COMPRESSOR STATION	023	VENTED EMISSIONS	20	VENTED EMISSIONS	PS	1/1/2013	2012
54-039-00057	CAMC General Hospital		Boiler #1 Natural Gas		Boiler #1 Natural Gas			
54-041-00009	Equitrans, L.P. - COPLEY RUN CS 70	006	ENGINE #6	6	ENGINE #6	PS	1/1/2016	2015
54-041-00010	DOMINION - CAMDEN COMPRESSOR STATION	006	OLD DEHYDRATOR NATCO	6	DEHYDRATOR	PS	1/1/2012	2011
54-041-00010	DOMINION - CAMDEN COMPRESSOR STATION	007	AIR COMPRESSOR	7	AIR COMPRESSOR	PS	1/1/2016	2015
54-041-00010	DOMINION - CAMDEN COMPRESSOR STATION	010	VENTED EMISSIONS	8	VENTED EMISSIONS	PS	1/1/2013	2012
54-041-00012	DOMINION - SWEENEY COMPRESSOR STATION	008	HEATER (Shutdown)	8	HEATER (Shutdown)	PS	1/1/2013	2012
54-041-00012	DOMINION - SWEENEY COMPRESSOR STATION	009	DEHYDRATOR (Shutdown)	9	DEHYDRATOR (Shutdown)	PS	1/1/2013	2012
54-041-00012	DOMINION - SWEENEY COMPRESSOR STATION	010	AIR COMPRESSOR (Shutdown)	10	AIR COMPRESSOR (Shutdown)	PS	1/1/2013	2012
54-043-00002	Columbia Gas - HUBBALL 4C4510	001	BLR2	1	BLR2	PS	1/1/2015	2014

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54-043-00002	Columbia Gas - HUBBALL 4C4510	005	01603	1	01603	PS	1/1/2015	2014
54-049-00038	NOVELIS	130	#3 FCE PURGE & COMBUSTION	1	#3 FURNACE	PS	1/1/2012	2011
54-049-00043	Fibrex Recycling U.S. Inc. - Fairmont Division	003	BOILER	1	NATURAL GAS	PS	1/1/2012	2011
54-049-00043	Fibrex Recycling U.S. Inc. - Fairmont Division	004	DRYER	1	PULP DRYER	PS	1/1/2012	2011
54-051-00005	KENTUCKY POWER COMPANY - MITCHELL PLANT	005	HAPS	1	FACILITY HAPS	PS	1/1/2012	2011
54-051-00100	Columbia Gas - ADALINE 7C6600	007	08106	1	08106	PS	1/1/2013	2012
54-051-00100	Columbia Gas - ADALINE 7C6600	024	M-BLR1	1	M-BLR1	PS	1/1/2013	2012
54-051-00100	Columbia Gas - ADALINE 7C6600	024	M-BLR1	2	M-R1	PS	1/1/2013	2012
54-051-00100	Columbia Gas - ADALINE 7C6600	025	M-BLR2	1	M-BLR2	PS	1/1/2015	2014
54-051-00100	Columbia Gas - ADALINE 7C6600	029	HTR3	1	HTR3	PS	1/1/2014	2013
54-051-00127	Williams Ohio Valley Midstream - Fort Beeler Gas Processing Plant	880 Tank	210 bbl condensate storage tank	880 Tank	210 bbl produced water tank	PS	1/1/2016	2015
54-051-00141	Williams Ohio Valley Midstream - Moundsville Fractionation Plant	45	Old Flare	45	Frac1 Flare	PS	1/1/2015	2014
54-053-00004	Felman Production Inc. - NEW HAVEN PLANT	002	LADLE BURNER	1	LADLE BURNERS (NO. 2 OIL)	PS	1/1/2016	2015
54-053-00009	APPALACHIAN POWER - MOUNTAINEER PLANT	004	HAPS	1	FACILITY HAPS	PS	1/1/2013	2011
54-053-00054	M&G POLYMERS USA, LLC	0C1	#1 BOILER	1	#1 BOILER	PS	1/1/2012	2011
54-053-00054	M&G POLYMERS USA, LLC	0C2	#2 BOILER	1	#2 BOILER	PS	1/1/2012	2011
54-053-00054	M&G POLYMERS USA, LLC	0C3	#3 BOILER	1	#3 BOILER	PS	1/1/2012	2011
54-057-00011	Naval Sea Systems Command - ALLEGANY BALLISTICS LABORATORY	055	GASOLINE USTS AUTO TEST.	1	GAS. USTS FOR AUTO TEST	PS	1/1/2012	2011
54-057-00011	Naval Sea Systems Command - ALLEGANY BALLISTICS LABORATORY	180	FUG. FROM HAND CLEAN (8)	1	FUG. FROM HAND CLEAN (8)	PS	1/1/2012	2011
54-057-00011	Naval Sea Systems Command - ALLEGANY BALLISTICS LABORATORY	202	CASE BASE DESMA MOLD 421	1	CASE BASE DESMA HOOD	PS	1/1/2012	2011
54-057-00011	Naval Sea Systems Command - ALLEGANY BALLISTICS LABORATORY	218	GRENADE LINE 361 (FUG)	1	GRENADE LINE 361 (FUG)	PS	1/1/2014	2013
54-065-00001	U. S. SILICA COMPANY - BERKELEY SPRINGS PLANT	005	OLD SCREEN TOWER-SHUTDOWN	1	SCREENING OF SAND	PS	1/1/2012	2012
54-065-00001	U. S. SILICA COMPANY - BERKELEY SPRINGS PLANT	011	STEAM DRYER-SHUTDOWN	1	STEAM DRYER	PS	1/1/2014	2013
54-071-00008	Columbia Gas - SENECA 6C4370	001	BLR1	1	BLR1	PS	1/1/2014	2013
54-071-00008	Columbia Gas - SENECA 6C4370	005	037G1	1	037G1	PS	1/1/2014	2013
54-071-00008	Columbia Gas - SENECA 6C4370	006	037G2	1	037G2	PS	1/1/2014	2013
54-071-00008	Columbia Gas - SENECA 6C4370	009	BLR2	1	BLR2	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	1	OSC SLURRY TK / FEED TK	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	10	OSQ TMI PRODUCT STORAGE	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	11	OST DRUM FILLING	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	12	OSV CHILLED OIL TANK	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	13	OSW MEOH STORAGE TNK	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	14	OSX LUWA BOTTOMS RCVR	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	15	OSY MEC COND RCV/RR CAR	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	16	OSZ MEOH SPRY COND RCVR	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	17	OTA UREA LOADING CHUTE	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	18	OTB IMPOUND TANK	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	19	OTC STRIPPING VAC PMPs	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	2	OSD MEC VACUUM PUMPS	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	20	OTD COOLING OIL STOR TNK	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	21	OTE HOT OIL STOR/EXPN TK	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	22	OTF DIPEB STORAGE TNK	PS	1/1/2014	2013

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54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	23	OTG BOTTMS LOAD MEOH RCVY	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	24	OTH PROD COND RCV/MEOH RR	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	25	OTI MEOH SPRAY COND RCVR	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	26	OTJ VAC PMP5 MEOH RCVRY	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	27	OTK FUG EMISS - MEC	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	28	OTL FUG EMISS - TMXDI	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	29	OTM FUG EMISS - MEOH RCVY	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	3	OSE CRUDE MEC STOR TK	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	30	OTN DMF SCRBR-TMI DISTLL	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	31	OTO FUG EMISS - CRUDE TMI	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	32	OTQ TMI T/W TMI DISTLL	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	33	OTR UREA LOAD CH TMI DIST	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	34	OTS FUG EM-SUPRCR TMI DST	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	35	OTU STRP VAC PMP -TMI>TMU	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	36	OTV FRSH MEOH T/W TMI>TMU	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	37	OTW FIN TMU T/W TMI>TMU	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	38	OTX FIN TMU T/W TMI>TMU	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	39	OTY MEOH SURG TNK-TMI>TMU	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	4	05F BOX LOADING	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	40	OTZ FUG EMISS TMI>TMU	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	41	OUA MEC T/W LOADING	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	42	OUB TMXDI T/W LOADING	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	43	OUC CRKR BTTMS BOX LOADG	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	44	OUD CAUSTIC STORAGE TANK	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	45	OUE SULFURIC ACID STOR TK	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	46	OUF BYPRD MEOH RR LOAD	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	47	OUG SULF ACID CALIB TANK	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	48	OUH CRD MEC STR TNK TMXDI	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	49	OUI RECOVRD MEC STOR TK	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	5	OSI STRIPPER PURGE	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	50	OUJ CATL DECNT/BTTMS T/W	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	51	OUK STRP VAC PMP5 - DMF R	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	52	OUL STRP OVRH RCV - DMF R	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	53	OUN MEOH SRG TK-DMF R	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	54	OUM H2O STRP OVHD T/W-DMF	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	55	OJO H2O STRP OVHD T/W-DMF	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	56	OUP H2O STRP OVHD T/W-TMX	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	57	OQQ H2O STRP OVHD T/W-TMX	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	58	OUR - MeC/DIPEB Drumming	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	6	OSJ DMF SCRUBBER -TMXDI	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	7	OSL MEOH SURGE TANK	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	8	OSM CATALYST STOR TANK	PS	1/1/2014	2013

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54-073-00003	Cytec Industries Inc. - Willow Island Plant	050	URETHANE MANUF UNIT >sold to Allnex	9	OSP ABC PROD STOR (TMXDI)	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	05A	WASTE GAS FLARE > sold to Allnex	1	WASTE GAS FLARE	PS	1/1/2014	2013
54-073-00003	Cytec Industries Inc. - Willow Island Plant	05B	OIL HEATER > sold to Allnex	1	OIL HEATER	PS	1/1/2014	2013
54-079-00006	APPALACHIAN POWER COMPANY - JOHN E AMOS PLANT	007	HAPS	1	FACILITY HAPS	PS	1/1/2012	2011
54-083-00019	Columbia Gas - FILES CREEK 6C4340	001	009G1	1	009G1	PS	1/1/2015	2014
54-083-00019	Columbia Gas - FILES CREEK 6C4340	002	00901	1	00901	PS	1/1/2015	2014
54-083-00019	Columbia Gas - FILES CREEK 6C4340	003	00902	1	00902	PS	1/1/2015	2014
54-083-00019	Columbia Gas - FILES CREEK 6C4340	004	00903	1	00903	PS	1/1/2015	2014
54-083-00019	Columbia Gas - FILES CREEK 6C4340	005	00904	1	00904	PS	1/1/2015	2014
54-083-00019	Columbia Gas - FILES CREEK 6C4340	006	00905	1	00905	PS	1/1/2015	2014
54-083-00019	Columbia Gas - FILES CREEK 6C4340	007	00906	1	00906	PS	1/1/2015	2014
54-083-00019	Columbia Gas - FILES CREEK 6C4340	012	009G2	1	009G2	PS	1/1/2015	2014
54-085-00004	DOMINION - CRAIG COMPRESSOR STATION	009	VENTED EMISSIONS	5	VENTED EMISSIONS	PS	1/1/2013	2012
54-095-00001	MPM SILICONES LLC SISTERSVILLE PLANT	0RT	953	1	INDUSTRIAL BOILER	PS	1/1/2014	2013
54-095-00007	DOMINION - DEEP VALLEY COMPRESSOR STATION	006	VENTED EMISSIONS	4	VENTED EMISSIONS	PS	1/1/2013	2012
54-097-00001	SAINT-GOBAIN/NORTON IND. CERAMICS CORP. - CORHART REFRACTORIES	002	ZIRCON DRYER #2	1	ZIRCON DRYER #2	PS	1/1/2012	2011
54-097-00001	SAINT-GOBAIN/NORTON IND. CERAMICS CORP. - CORHART REFRACTORIES	002	ZIRCON DRYER #2	2	DRYER #2 BAGHOUSE	PS	1/1/2012	2011
54-097-00001	SAINT-GOBAIN/NORTON IND. CERAMICS CORP. - CORHART REFRACTORIES	002	ZIRCON DRYER #2	3	ZIRCON DRYER #2	PS	1/1/2012	2011
54-097-00001	SAINT-GOBAIN/NORTON IND. CERAMICS CORP. - CORHART REFRACTORIES	005	ZIRCON DRYER #5	1	ZIRCON DRYER #5	PS	1/1/2012	2011
54-097-00001	SAINT-GOBAIN/NORTON IND. CERAMICS CORP. - CORHART REFRACTORIES	005	ZIRCON DRYER #5	2	ZIRCON DRYER #5	PS	1/1/2012	2011
54-097-00001	SAINT-GOBAIN/NORTON IND. CERAMICS CORP. - CORHART REFRACTORIES	006	ZIRCON DRYER #7	1	ZIRCON DRYER #7	PS	1/1/2012	2011
54-097-00001	SAINT-GOBAIN/NORTON IND. CERAMICS CORP. - CORHART REFRACTORIES	006	ZIRCON DRYER #7	2	ZIRCON DRYER #7	PS	1/1/2012	2011
54-097-00001	SAINT-GOBAIN/NORTON IND. CERAMICS CORP. - CORHART REFRACTORIES	012	CHROMIC OXIDE DRYER #1	1	CHROMIC OXIDE DRYER #1	PS	1/1/2012	2011
54-097-00001	SAINT-GOBAIN/NORTON IND. CERAMICS CORP. - CORHART REFRACTORIES	012	CHROMIC OXIDE DRYER #1	2	CHROMIC OXIDE DRYER #1	PS	1/1/2012	2011
54-097-00001	SAINT-GOBAIN/NORTON IND. CERAMICS CORP. - CORHART REFRACTORIES	044	80 HP STEAM BOILER	1	STEAM BOILER	PS	1/1/2012	2011
54-099-00013	Columbia Gas - CEREDO 4C3360	001	BLR1	1	BLR1	PS	1/1/2012	2011
54-099-00013	Columbia Gas - CEREDO 4C3360	012	005G1	1	005G1	PS	1/1/2015	2014
54-099-00013	Columbia Gas - CEREDO 4C3360	013	005G2	1	005G2	PS	1/1/2015	2014
54-099-00014	Columbia Gas - KENOVA 4C3350	019	BLR1	1	BLR1	PS	1/1/2014	2013
54-103-00006	DOMINION - HASTINGS COMPRESSOR STATION	008	APU- WAUKESHA F817G	8	APU- WAUKESHA	PS	1/1/2013	2012
54-103-00006	DOMINION - HASTINGS COMPRESSOR STATION	014	VENTED EMISSIONS	12	VENTED EMISSIONS	PS	1/1/2013	2012
54-103-00010	Columbia Gas - SMITHFIELD 7C6620/30	007	098G2	1	098G2	PS	1/1/2015	2014
54-103-00033	Equitrans, L.P. - LOGANSPORT COMPRESSOR STATION #49	005	DEHY #1 (DRY BED)	5	DEHY #1 (DRYBED)	PS	1/1/2016	2014
54-107-00001	DUPONT WASHINGTON WORKS	B15	INK MIXING DOPE TANKS	1	INK MIXING DOPE TANKS	PS	1/1/2012	2011
54-107-00001	DUPONT WASHINGTON WORKS	B16	CLEANING STATION EXHAUST	1	CLEANING STATION EXHAUST	PS	1/1/2012	2011
54-107-00001	DUPONT WASHINGTON WORKS	B17	WEB PRINTING	1	PRESS EXHAUST	PS	1/1/2012	2011
54-107-00001	DUPONT WASHINGTON WORKS	B17	WEB PRINTING	2	INSPECTION BOOTH EXHAUST	PS	1/1/2012	2011
54-107-00001	DUPONT WASHINGTON WORKS	B17	WEB PRINTING	3	INK PREP HOOD EXHAUST	PS	1/1/2012	2011
54-107-00001	DUPONT WASHINGTON WORKS	B17	WEB PRINTING	4	PRESS CANOPY EXHAUST	PS	1/1/2012	2011
54-107-00001	DUPONT WASHINGTON WORKS	B17	WEB PRINTING	6	EXIT PRESS HOOD EXHAUST	PS	1/1/2012	2011
54-107-00001	DUPONT WASHINGTON WORKS	B17	WEB PRINTING	7	AIR TABLE EXHAUST	PS	1/1/2012	2011
54-107-00001	DUPONT WASHINGTON WORKS	B17	WEB PRINTING	8	PRINTED WEB DRYER EXHAUST	PS	1/1/2012	2011

WV Facility ID	Facility Name	Emission Unit ID	Unit Description	Process ID	Process Description	Emission Unit Status	Emission Unit Status Date	Final Year Emissions Reported
54-107-00001	DUPONT WASHINGTON WORKS	B19	DMF WASTE DRUM FILLING	1	DMF WASTE DRUM FILLING	PS	1/1/2012	2011
54-107-00001	DUPONT WASHINGTON WORKS	P01	BOILER #1	1	SPREADER STOKER BOILER	PS	1/1/2012	2011
54-109-00006	Pinnacle Mining Company, LLC - Pinnacle Preparation Plant	014	ROCK DUST BINS	014	ROCK DUST	PS	1/1/2016	2015
54-109-00006	Pinnacle Mining Company, LLC - Pinnacle Preparation Plant	015	GASOLINE STORAGE	015	GASOLINE STORAGE - WORKING AND BREATHING LOSS	PS	1/1/2016	2015
54-109-00006	Pinnacle Mining Company, LLC - Pinnacle Preparation Plant	016	GASOLINE DISPENSING	016	GASOLINE DISPENSING - LOADING, REFUELING AND SPILLAGE LOSS	PS	1/1/2016	2015
54-109-00018	DOMINION - OSCAR NELSON COMPRESSOR STN	012	VENTED EMISSIONS	10	VENTED EMISSIONS	PS	1/1/2013	2012
54-109-00018	DOMINION - OSCAR NELSON COMPRESSOR STN	013	REBOILER	1	REBOILER	PS	1/1/2012	2011
54-109-00019	DOMINION - LOUP CREEK COMPRESSOR STATION	009	VENTED EMISSIONS	7	VENTED EMISSIONS	PS	1/1/2013	2012

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Certification of Data Accuracy

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CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Pepper Compressor Station

Facility ID **03-54-** 001 - 00100
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331144832-F54-001-00100-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. ***I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.***

Name of Person Completing this Form (Print or Type):

Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14

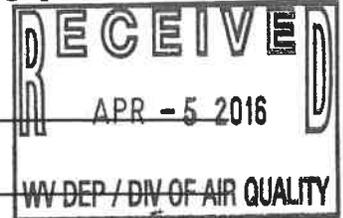
CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Essroc Cement Corporation

Facility Name: Martinsburg Plant

Facility ID **03-54-** 003 - 00006
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER



Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

520160331094522-54-003-00006-2015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter _____

Date of Submittal: _____

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Heinz Knopfel

Title: Plant Manager

Telephone: 304-260-1887

Fax Number: 304-267-6571

E-Mail address: heinz.knopfel@essroc.com

Signature: 

Date: March 31/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: US DEPARTMENT OF THE TREASURY - IRS

Facility Name: IRS MARTINSBURG CAMPUS

Facility ID **03-54-** 003 - 00133
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20170329132945F54-003-00133-R2016

Emission Inventory Submittal for Calendar Year: 2016

Name of Submitter CATHY ORR

Date of Submittal: 3/28/2017

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Title: ENVIRONMENTAL COORDINATOR

Telephone: 304-264-5516

Fax Number: 304-264-5596

E-Mail address: CATHY.M.ORR@IRS.GOV

Signature: Cathy Orr

Digitally signed by Cathy Orr
DN: cn=Cathy Orr, o,cn, email=Cathy.M.Orr@irs.gov, c=US
Date: 2017.03.29 13:40:16 -0400

Date: 3/31/2017

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Equitrans, L.P.

Facility Name: Burnsville

Facility ID **03-54-** 007 - 00006
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20160324071145-F54-007-00006-R2015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter Kimberly Gissy

Date of Submittal: 03/24/2016

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

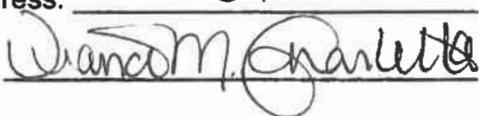
Diana Charletta

Title: Sr. VP Midstream Operations

Telephone: 412-395-3907

Fax Number: 412-395-3919

E-Mail address: dcharletta@eqt.com

Signature: 

Date: 3/24/16

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Weyerhaeuser NR Company

Facility Name: Sutton OSB

Facility ID **03-54-** 007 - 00016
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20130426075312-ES4-007-00016-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter Matthew Rutherford

Date of Submittal: April 26, 2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

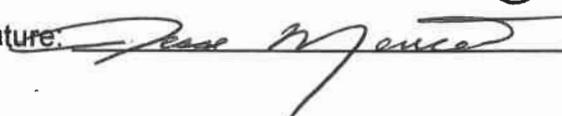
Jesse Merica

Title: Mill Manager

Telephone: 304-765-4289

Fax Number: 304-765-4280

E-Mail address: Jesse.Merica@Weyerhaeuser.com

Signature: 

Date: 4/26/13

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Columbia Gas Transmission LLC

Facility Name: Frame Town Compressor Station

Facility ID **03-54-** 007 - 00100
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

320150325160338-F54-007-00100-R2014

Emission Inventory Submittal for Calendar Year: 2014

Name of Submitter Robert M. Kitchell

Date of Submittal: 3-25-2015

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Robert M. Kitchell

Title: Vice President, Operations

Telephone: 724-223-2752

Fax Number: 724-223-2770

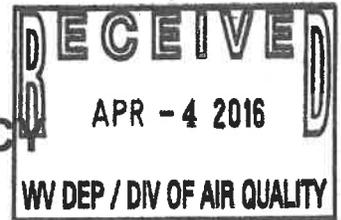
E-Mail address: rmkitchell@nisource.com

Signature: 

Date: 3-29-2015

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)



Company Name: Mountain State Carbon, LLC

Facility Name: Mountain State Carbon, LLC

Facility ID **03-54-** 009 - 00002
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20160330165843-F54-009-00002-R2015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter Patrick J. Smith

Date of Submittal: 3/30/2016

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. ***I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.***

Name of Person Completing this Form (Print or Type):

Patrick J. Smith

Title: Environmental Manager

Telephone: (304) 527-5676

Fax Number: (304) 527-5646

E-Mail address: patrick.smith@mscarbonllc.com

Signature: 

Date: 3/31/2016

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: MOUNTAIN STATE CARBON LLC

Facility Name: MOUNTAIN STATE CARBON LLC

Facility ID **03-54-** 009 - 00002
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20170330161834- F54-009-00002-R2016

Emission Inventory Submittal for Calendar Year: 2016

Name of Submitter: PATRICK J. SMITH

Date of Submittal: 3/30/2017

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

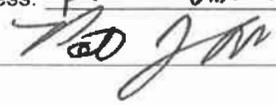
PATRICK J. SMITH

Title: ENVIRONMENTAL MANAGER

Telephone: 304-527-5676

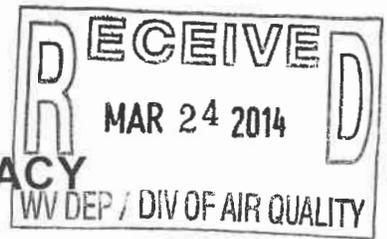
Fax Number: 304-527-5646

E-Mail address: patrick.smith@mscarbonllc.com

Signature: 

Date: 10/4/2017

Form revised December 13, 2013



CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: JUPITER ALUMINUM CORP

Facility Name: JUPITER WIL COATING - BEECH BOTTOM

Facility ID **03-54-** 009 - 00004
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140320115348-F54-009-0004-R2023

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter MARK VOLKMAN

Date of Submittal: 3/20/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

MARK VOLKMAN

Title: EHS DIRECTOR

Telephone: 219-933-2752

Fax Number: —

E-Mail address: MVOLKMAN@JUPITERALUMINUM.COM

Signature: [Handwritten Signature]

Date: 3/20/2014

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: JUPITER ALUMINUM CORP

Facility Name: BEECH BOTTOM PLANT

Facility ID **03-54-** 009 - 00004
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S 2017 0328 162931 - F54 - 009 - 0004 - R2016

Emission Inventory Submittal for Calendar Year: 2016

Name of Submitter MARK VOLKMAN

Date of Submittal: 3/28/2017

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

MARK VOLKMAN

Title: EHS DIRECTOR

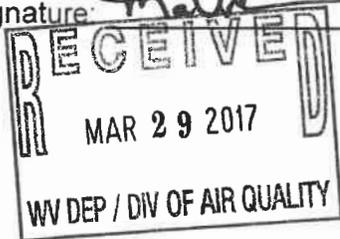
Telephone: 219-933-2752

Fax Number: 219-933-2724

E-Mail address: mvolkman@JUPITER ALUMINUM. COM

Signature: *Mark*

Date: 3/28/2017



CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Earthgrains Baking Companies, Inc.

Facility Name: _____

Facility ID **03-54-** 011 - 0062
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20130423121610-F54-011-00062-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter Charles Heiner

Date of Submittal: 4/23/2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Charles Heiner

Title: Plant Manager

Telephone: 304-523-8411

Fax Number: 304-525-9268

E-Mail address: cheiner@sl.bbumail.com

Signature: Charles E Heiner

Date: 04-24-13

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Bimbo Bakeries USA, Inc.

Facility Name: _____

Facility ID **03-54-** 011 - 0062
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140324140108-F54-011-00062-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Charles Heiner

Date of Submittal: March 24, 2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

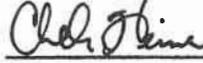
Charles Heiner

Title: Plant Manager

Telephone: 304-523-8411

Fax Number: 304-525-9268

E-Mail address: cheiner@bbumail.com

Signature: 

Date: 03-25-14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Yellow Creek Compressor Station

Facility ID **03-54-** 013 - 00001
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331140725 - F54-013-00001 - R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. ***I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.***

Name of Person Completing this Form (Print or Type):

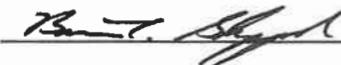
Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Orma Compressor Station

Facility ID **03-54-** 013 - 00002
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S2014033114444 - F54 - 013 - 00002 - R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Orma Compressor Station

Facility ID **03-54-** 013 - 00002
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20150331134837-F54-013-00002-R2014

Emission Inventory Submittal for Calendar Year: 2014

Name of Submitter Abby Credicott

Date of Submittal: 3/31/2015

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03-25-15

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: West Union Plant

Facility ID **03-54-** 017 - 00011
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331135804-F54-017-00011-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Schutte Compressor Station

Facility ID **03-54-** 017 - 00100
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331143647-F54-017-00100-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

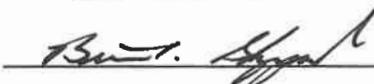
Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: West Virginia Alloys, Inc.

Facility Name: West Virginia Alloys, Inc.

Facility ID **03-54-** 019 - 0001
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140317142134-F54-019-00001-K2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Wk Wagner II

Date of Submittal: 3-17-14

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. ***I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.***

Name of Person Completing this Form (Print or Type):

Wk Wagner II

Title: Manager - SHEA

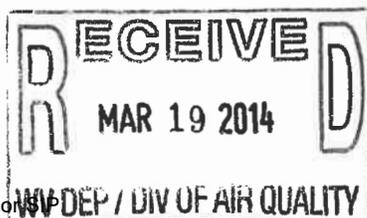
Telephone: 304-640-2131

Fax Number: 304-779-3297

E-Mail address: rwagner@globemetalurgical.com

Signature: Wk Wagner II

Date: 3-17-14



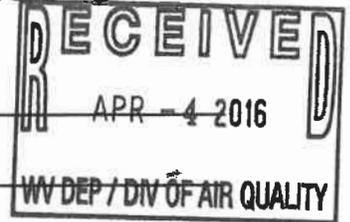
CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: WVA Manufacturing, LLC

Facility Name: Alloy Facility

Facility ID **03-54-** 019 - 00001
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER



Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20160331075204-F54-019-00001-R2015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter Jennie L. Henthorn

Date of Submittal: March 31, 2016

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

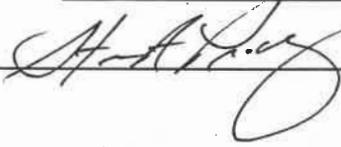
Steve A. Pralley

Title: Plant Manager

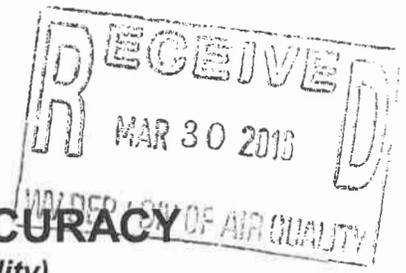
Telephone: 304-779-3200

Fax Number: (304) 779-3297

E-Mail address: spralley@glbsm.com

Signature: 

Date: 3-31-16



CERTIFICATION OF DATA ACCURACY
(Please submit one sheet for each facility)

Company Name: Columbia Gas Transmission LLC

Facility Name: Glenville

Facility ID **03-54-** 021 **- 00001**
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20160316123623-F54-021-00001-R2015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter Kelly Denise Taylor

Date of Submittal: 3/16/16

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Charles R. Broussard

Title: Vice President of Operations

Telephone: 337-266-4685

Fax Number: 304-357-2770

E-Mail address: rbroussard@cpq.com

Signature: *Charles R. Broussard*

Date: 3/24/16

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Jones Compressor Station

Facility ID **03-54-** 021 - 00002
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331132332-F54-021-00002-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Equitrans, L.P.

Facility Name: Glenville

Facility ID **03-54-** 021 - 00010
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20170331121626-F54-021-00010-R2016

Emission Inventory Submittal for Calendar Year: 2016

Name of Submitter Kimberly Gissy

Date of Submittal: 03/31/2017

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

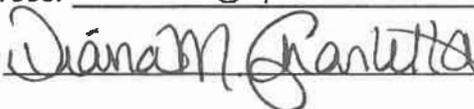
Diana Charletta

Title: Sr. VP Midstream Operations

Telephone: 412-395-3907

Fax Number: 412-395-3919

E-Mail address: dcharletta@eqt.com

Signature: 

Date: 03/31/2017

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Virginia Electric and Power Company

Facility Name: Dominion - Mount Storm Power Station

Facility ID **03-54-** 023 - 00003
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20130429152001-F54-023-00003-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter Carl R. Ford

Date of Submittal: 4/29/2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Carl R. Ford

Title: Director F & H Station III

Telephone: 304-259-4360

Fax Number: 304-259-4011

E-Mail address: Carl.R.Ford@dom.com

Signature: Carl R Ford

Date: 4/29/2013

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: ARCELORMITTAL WEIRTON LLC

Facility Name: ARCELORMITTAL WEIRTON LLC

Facility ID **03-54-** 029 - 00001
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

520130514142010-F54-029-00001-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter Mike Mieczkowski

Date of Submittal: 5-14-2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Brian James

Title: General Manager

Telephone: 304-797-2296

Fax Number: 304-797-2887

E-Mail address: Brian.James@arcelormittal.com

Signature: 

Date: 5/14/13

Form revised January 11, 2013

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: ArcelorMittal USA LLC

Facility Name: ARCELORMITTAL WEIRTON LLC

Facility ID **03-54-** 029 - 00001
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20170330151647-F54-029-00001-R2016

Emission Inventory Submittal for Calendar Year: 2016

Name of Submitter Aaron Pozar

Date of Submittal: 3/30/2017

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

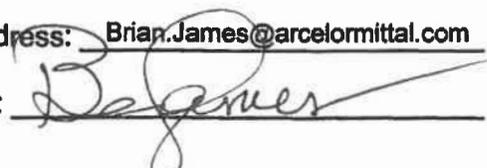
Brian James

Title: General Manager

Telephone: 304-797-2296

Fax Number: 304-797-2887

E-Mail address: Brian.James@arcelormittal.com

Signature: 

Date: 3/30/17

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: GrafTech International Holdings, Inc.

Facility Name: Anmoore Site

Facility ID **03-54-** 033 - 00001
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20130527165656-F54-033-00001-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter Linda Tennant

Date of Submittal: May 27, 2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency and placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

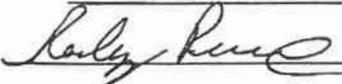
Randy Pierce

Title: Plant Manager

Telephone: (304) 624-1200

Fax Number: (304) 624-1242

E-Mail address: _____

Signature: 

Date: 6/24/13

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Wilsonburg Compressor Station

Facility ID **03-54-** 033 - 00011
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331140416-F54-033-00011-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Sardis Compressor Station

Facility ID **03-54-** 033 - 00013
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331\45254 - F54-033-00013 - R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Law Compressor Station

Facility ID **03-54-** 033 - 00014
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331143853 - FS4-033-00014-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/14

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. ***I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.***

Name of Person Completing this Form (Print or Type):

Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 05/26/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Law Compressor Station

Facility ID **03-54-** 033 - 00014
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20150331133756-F54-033-00014-R2014

Emission Inventory Submittal for Calendar Year: 2014

Name of Submitter Abby Credicott

Date of Submittal: 3/31/2015

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 08-25-15

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Bridgeport Compressor Station

Facility ID **03-54-** 033 **-** 00100
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20130508174823-F54-033-00100-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter William A. Scarpinato

Date of Submittal: 05/08/2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Jeffrey L. Barger

Title: Vice President, Pipeline Operations

Telephone: 304-627-3910

Fax Number: 304-627-3323

E-Mail address: jeffrey.l.barger@dom.com

Signature: 

Date: 05-09-13

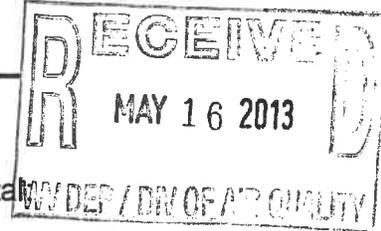
CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: E.I. DU PONT DE NEMOURS & COMPANY

Facility Name: BELLE PLANT

Facility ID **03-54-** 039 - 00001
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER



Fill in the SLEIS confirmation number for your emission inventory submittal
(An email containing this number will be sent to the submitter's email address)

S20130515090157-F54-039-00001-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter LEANNE SCHOTTLE

Date of Submittal: 5-15-13

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

JAMES A. O'CONNOR

Title: PLANT MANAGER

Telephone: 304-357-1200

Fax Number: 304-357-1204

E-Mail address: jim.a.oconnor@dupont.com

Signature: 

Date: 5-15-2013

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: The Chemours Company FC, LLC

Facility Name: Chemours Belle Plant

Facility ID **03-54-** 039 - 0001
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20170323083951-F54-039-00001-R2016

Emission Inventory Submittal for Calendar Year: 2016

Name of Submitter Michelle Young

Date of Submittal: 3/23/17

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

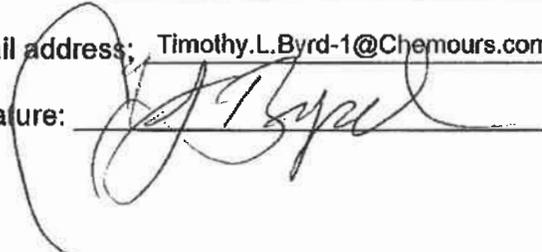
Timothy L. Byrd

Title: Plant Manager

Telephone: 304-357-1200

Fax Number: 304-357-1240

E-Mail address: Timothy.L.Byrd-1@Chemours.com

Signature: 

Date: 10/10/2017

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Union Carbide Corporation
(A Subsidiary of The Dow Chemical Company)

Facility Name: South Charleston Facility

Facility ID: 03-54-039-00003

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20130430102315-F54-039-00003-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter: Iris Jeanne Songer, EHS Compliance Specialist for WVO

Date of Submittal: 4/30/2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. ***I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.***

Name of Person Completing this Form (Print or Type):

Tyler J. London

Title: Site Leader for West Virginia Operations

Telephone: (304) 747-3973

Fax Number: (304) 747-7158

E-Mail address: TJLondon@dow.com

Signature: 

Date: 4/29/13

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Union Carbide Corporation
(A Subsidiary of The Dow Chemical Company)

Facility Name: South Charleston Facility

Facility ID: 03-54-039-00003

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20140331124852-F54-039-00003-2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter: Iris Jeanne Songer, EHS Compliance Specialist for WVO

Date of Submittal: 3/31/14

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Jonathan M. Raess

Title: Responsible Care Leader for West Virginia Operations

Telephone: (304) 747-2205

Fax Number: (304) 747-3147

E-Mail address: JMRaess@dow.com

Signature: Jonathan M. Raess

Date: 3/31/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Union Carbide Corporation
(A Subsidiary of The Dow Chemical Company)

Facility Name: South Charleston Facility

Facility ID: 03-54-039-00003

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20150330160724-F54-039-00003-R2014

Emission Inventory Submittal for Calendar Year: 2014

Name of Submitter: Iris Jeanne Songer, EHS Compliance Specialist for WVO

Date of Submittal: 3/30/15

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Jonathan M. Raess

Title: Responsible Care Leader for West Virginia Operations

Telephone: (304) 747-2205

Fax Number: (304) 747-3147

E-Mail address: JMRaess@dow.com

Signature: Jonathan M. Raess

Date: 3/30/15

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Union Carbide Corporation
(A Subsidiary of The Dow Chemical Company)

Facility Name: Technology Park Operations

Facility ID: 03-54-039-00004

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

520130430101746-F54-039-00004-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter: Iris Jeanne Songer, EHS Compliance Specialist for WVO

Date of Submittal: 4/30/2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. ***I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.***

Name of Person Completing this Form (Print or Type):

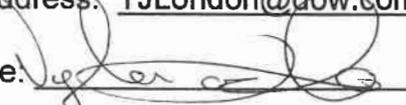
Tyler J. London

Title: Site Leader for West Virginia Operations

Telephone: (304) 747-3973

Fax Number: (304) 747-7158

E-Mail address: TJLondon@dow.com

Signature: 

Date: 4/29/13

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Union Carbide Corporation
(A Subsidiary of The Dow Chemical Company)

Facility Name: Technology Park Operations

JUL 28 2014

Facility ID: 03-54-039-00004

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20140725103338-F54-039-00004-R2013

Emission Inventory Submittal for Calendar Year: 2013 (Revision)

Name of Submitter: Iris Jeanne Songer, EHS Compliance Specialist for WVO

Date of Submittal: 7/25/14

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. ***I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.***

Name of Person Completing this Form (Print or Type):

Jonathan M. Raess

Title: Responsible Care Leader for West Virginia Operations

Telephone: (304) 747-2205

Fax Number: (304) 747-3147

E-Mail address: JMRaess@dow.com

Signature: 

Date: 7/25/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Bayer CropScience

Facility Name: Institute Site

Facility ID **03-54-** 039 - 00007
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S 2014 0328140820-F54-039-00007-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Linda Tennant

Date of Submittal: 03/26/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Connie Stewart

Title: Director - QHSE

Telephone: (304) 767-6123

Fax Number: (304) 767-6294

E-Mail address: connie.stewart@bayer.com

Signature: Connie Stewart

Date: 31 March 2014

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Columbia Gas Transmission LLC

Facility Name: Clendenin Compressor Station

Facility ID **03-54-** 039 - 00048
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20170321160254-F54-039-00048-R2016

Emission Inventory Submittal for Calendar Year: 2016

Name of Submitter Mitch Lagerstrom

Date of Submittal: March 21, 2017

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

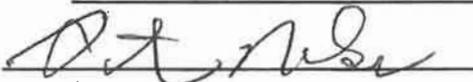
Steve Nelson

Title: Operations Manager

Telephone: (304) 548-1630

Fax Number: _____

E-Mail address: steven_nelson@transcanada.com

Signature: 

Date: 3-27-17

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Cornwell Compressor Station

Facility ID **03-54-** 039 - 00051
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20130508180852-F54-039-00051-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter William A. Scarpinato

Date of Submittal: 05/08/2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Jeffrey L. Barger

Title: Vice President, Pipeline Operations

Telephone: 304-627-3910

Fax Number: 304-627-3323

E-Mail address: jeffrey.l.barger@dom.com

Signature: 

Date: 05-09-13

CERTIFICATION OF DATA ACCURACY
(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Cornwell Compressor Station

Facility ID **03-54-** 039 - 00051
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331125727-F54-039-00051-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/14

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

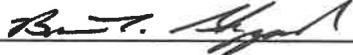
Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 05/26/14

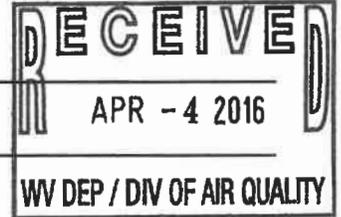
CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Charleston Area Medical Center

Facility Name: CAMC General Hospital

Facility ID **03-54-** 039 - 00057
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER



Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20160329132128-F54-039-00057-R2015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter Shannon L. Cox

Date of Submittal: 03/29/2016

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Dr. Glenn Crotty, Jr.

Title: Executive VP & COO

Telephone: 304.388.7647

Fax Number: 304.388.7696

E-Mail address: Glenn.Crotty@camc.org

Signature:

Date: 3/29/16

Form revised December 13, 2013

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Equitrans, L.P.

Facility Name: Copley

Facility ID **03-54-** 041 - 00009
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20170331115740-F54-041-00009-R2016

Emission Inventory Submittal for Calendar Year: 2016

Name of Submitter Kimberly Gissy

Date of Submittal: 03/31/2017

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

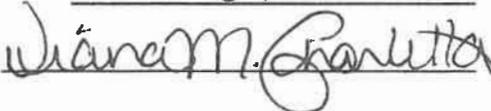
Diana Charletta

Title: Sr. VP Midstream Operations

Telephone: 412-395-3907

Fax Number: 412-395-3919

E-Mail address: dcharletta@eqt.com

Signature: 

Date: 03/31/2017

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Camden Compressor Station

Facility ID **03-54-** 041 - 00010
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20130508180429-F54-041-00010-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter William A. Scarpinato

Date of Submittal: 05/08/2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

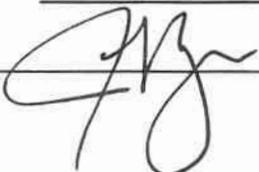
Jeffrey L. Barger

Title: Vice President, Pipeline Operations

Telephone: 304-627-3910

Fax Number: 304-627-3323

E-Mail address: jeffrey.l.barger@dom.com

Signature: 

Date: 05-09-13

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Camden Compressor Station

Facility ID **03-54-** 041 - 00010
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331125324-F54-041-00010-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/14

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. ***I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.***

Name of Person Completing this Form (Print or Type):

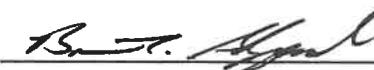
Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Camden Compressor Station

Facility ID **03-54-** 041 - 00010
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

520170329120903 - F54-041-00010 - R2016

Emission Inventory Submittal for Calendar Year: 2016

Name of Submitter Rebekah Kiss

Date of Submittal: March 29, 2017

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 681-842-3733

Fax Number: 681-842-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 3-8-17

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Sweeney Compressor Station

Facility ID **03-54-** 041 - 00012
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

320140331135316-FS4-041-00012-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

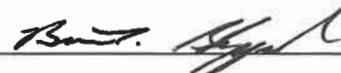
Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

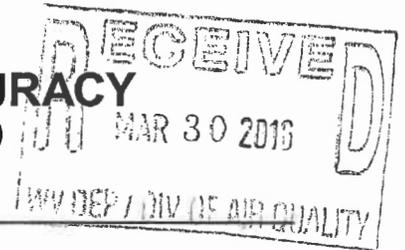
E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)



Company Name: Columbia Gas Transmission LLC

Facility Name: Hubball

Facility ID **03-54-** 043 **-** 00002
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20160316124802-F54-043-00002-R2015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter Kelly Denise Taylor

Date of Submittal: 3/16/2016

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

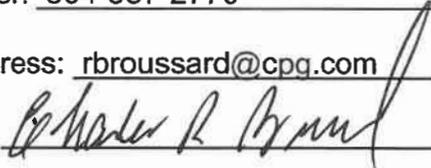
Charles R. Broussard

Title: Vice President of Operations

Telephone: 337-266-4685

Fax Number: 304-357-2770

E-Mail address: rbroussard@cpq.com

Signature: 

Date: 3/24/16

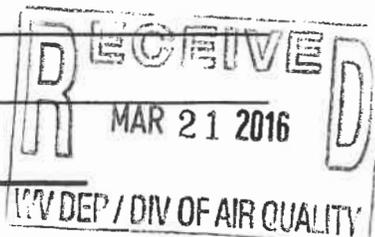
CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: NOVELIS CORPORATION

Facility Name: NOVELIS FAIRMONT

Facility ID **03-54-** 049 - 00038
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER



Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S 20160317122438-F54-049-00038-R2015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter BRYAN BLEIGH

Date of Submittal: 3/17/16

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. ***I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.***

Name of Person Completing this Form (Print or Type):

BRYAN BLEIGH

Title: EHS SPECIALIST

Telephone: 304-367-5244

Fax Number: 304-367-5284

E-Mail address: bryan.bleigh@novelis.com

Signature: Bryan Bleigh

Date: 3/17/16

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: FIBREK Recycling U.S. INC.

Facility Name: FAIRMONT DIVISION

Facility ID **03-54-** 049 - 00043
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140306153853-F54-049-00043-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter MICHAEL L. RUNNER

Date of Submittal: 3/6/14

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

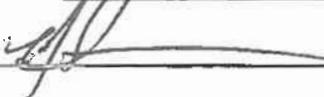
MICHAEL L. RUNNER

Title: ENVIRONMENTAL MANAGER

Telephone: 304-333-6169

Fax Number: 304-368-1997

E-Mail address: michael.runner@resolutefp.com

Signature: 

Date: 3/6/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Ohio Power Company

Facility Name: Mitchell Plant

Facility ID **03-54-** 051 00005
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20130419133245-F54-051-00005-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter Gregory J. Wooten

Date of Submittal: April 19, 2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

John M. McManus

Title: Title IV Designated Rep.

Telephone: 614-716-1268

Fax Number: 614-716-1252

E-Mail address: jmmcmanus@aep.com

Signature: John M. McManus

Date: 4/22/13

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Columbia Gas Transmission LLC

Facility Name: Adaline Compressor Station

Facility ID **03-54-** 051 - 00100
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20150324145131 - F54 - 051 - 00100 - R2014

Emission Inventory Submittal for Calendar Year: 2014

Name of Submitter Robert M. Kitchell

Date of Submittal: 3-24-2015

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. ***I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.***

Name of Person Completing this Form (Print or Type):

Robert M. Kitchell

Title: Vice President, Operations

Telephone: 724-223-2752

Fax Number: 724-223-2770

E-Mail address: rmkitchell@nisource.com

Signature: 

Date: 3-29-15

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

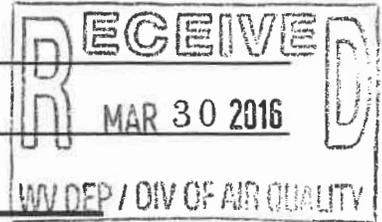
Company Name: Columbia Gas Transmission LLC

Facility Name: Adaline

Facility ID **03-54-** 051 **- 00100**

3-DIGIT COUNTY CODE

5-DIGIT FACILITY NUMBER



Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20160318122855-F54-051-00100-R2015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter Kelly Denise Taylor

Date of Submittal: 3/18/2016

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Robert M. Kitchell

Title: Vice President of Operations

Telephone: 724-223-2752

Fax Number: 304-357-2770

E-Mail address: rmkitchell@cpg.com

Signature: *Robert M. Kitchell*

Date: 3/24/16

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Williams Ohio Valley Midstream

Facility Name: Fort Beeler Gas Processing Plant

Facility ID **03-54-** 051 - 00127
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20170328160502-F54-051-00127-R2016

Emission Inventory Submittal for Calendar Year: 2016

Name of Submitter David Morris

Date of Submittal: 03/28/2017

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

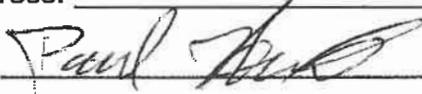
Paul Hunter

Title: General Manager, Ohio River Supply Hub

Telephone: 412-787-5561

Fax Number: _____

E-Mail address: PaulV.Hunter@williams.com

Signature: 

Date: 03/29/2017

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Williams Ohio Valley Midstream LLC

Facility Name: Moundsville Fractionation Plant

Facility ID **03-54-** 051 - 141
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal;
(When your inventory was submitted, this number was sent to the submitter's email address)

S20160330170349-F54-051-00141-22015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter Erika Baldauff

Date of Submittal: March 30, 2016

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Paul Hunter

Title: General Manager

Telephone: (412) 787-5561

Fax Number: (412) 787-6061

E-Mail address: paulV.hunter@williams.com

Signature: 

Date: March 30, 2016

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Felman Production, LLC

Facility Name: New Haven Plant

Facility ID **03-54-** 053 - 00004
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20170222143756-F54-053-00004-R2016

Emission Inventory Submittal for Calendar Year: 2016

Name of Submitter Phil Gardner

Date of Submittal: 2/22/2017

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

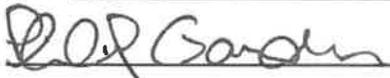
Philip Gardner

Title: Plant Manager

Telephone: 304-882-1401

Fax Number: 304-882-3853

E-Mail address: pgardner@fpiwv.com

Signature: 

Date: 3/6/2017

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Appalachian Power Company

Facility Name: Mountaineer Plant

Facility ID **03-54-** 053 00009
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20130419125750 - F54 - 053 - 00009 - R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter Gregory J. Wooten

Date of Submittal: April 19, 2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

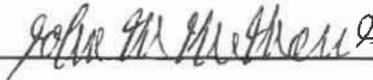
John M. McManus

Title: Title IV Designated Rep.

Telephone: 614-716-1268

Fax Number: 614-716-1252

E-Mail address: jmmcmanus@aep.com

Signature: 

Date: 4/22/13

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: M&G Polymers USA, LLC

Facility Name: Apple Grove Plant

Facility ID **03-54-** 053 - 00054
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S 20130425100845 - FS4 - 053 - 00054 - R 2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter Scott B. Whitwer

Date of Submittal: 4/25/12

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

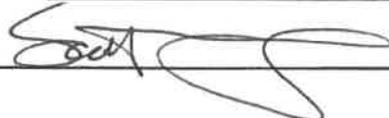
Scott B. Whitwer

Title: QA/Environmental Manager

Telephone: (304) 576-4589

Fax Number: (304) 576-4626

E-Mail address: Scott.B.Whitwer@gruppomgus.com

Signature: 

Date: 4/25/12

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Alliant Techsystems Operations LLC

Facility Name: Allegray Ballistics Laboratory

Facility ID **03-54-** 057 - 0011
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S 20130426125646-F54-057-0011-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter Sue Ellen Foor

Date of Submittal: 4/26/13

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Patrick Nolan

Title: V.P. + G.M. - ABL Operations

Telephone: 304-726-5200

Fax Number: 304-726-5183

E-Mail address: Pat.Nolan@ATK.com

Signature: [Handwritten Signature]

Date: 4/26/2013

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Alliant Techsystems Operations LLC- ABL Operations

Facility Name: Naval Ind. Res. Ord Plant / Allegany Ballistics Laboratory

Facility ID **03-54-** 057 - 00011
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

52015 0325101912 - F54- 057- 00011 - R2014

Emission Inventory Submittal for Calendar Year: 2014

Name of Submitter Sue Ellen Foor

Date of Submittal: 3/25/2015

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

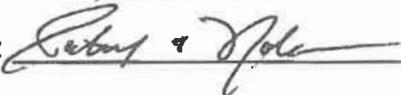
Patrick Nolan

Title: V.P. + Sites Manager - ABL Ops

Telephone: 304-726-5200

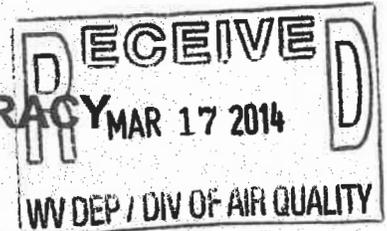
Fax Number: 304-726-5138

E-Mail address: pat.nolan@orbitalatk.com

Signature: 

Date: 3/26/15

CERTIFICATION OF DATA ACCURACY
(Please submit one sheet for each facility)



Company Name: U.S. Silica Company

Facility Name: Berkeley Springs Plant

Facility ID 03-54-065-00001
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140311145546-F54-065-0001-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter: Carol Hudak

Date of Submittal: March 11, 2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Michael L. Winkler

Title: V.P. Of Operations and COO, U.S. Silica

Telephone: (312) 589-7539

Fax Number: (312) 629-1494

E-Mail address: winklerm@ussilica.com

Signature:

Date: 3/12/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: U.S. Silica Company

Facility Name: U.S. Silica Company - Berkeley Springs Plant

Facility ID **03-54-** 065 - 00001
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20150325125738-F54-065-00001-R2014

Emission Inventory Submittal for Calendar Year: 2014

Name of Submitter Tina Archer

Date of Submittal: 3/25/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

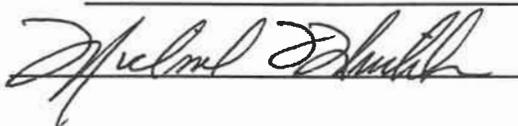
Michael L. Winkler

Title: Vice President / Chief Operating Officer

Telephone: (312) 859-7539

Fax Number: (312) 629-1494

E-Mail address: winklerm@ussilica.com

Signature: 

Date: 3/25/15

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Columbia Gas Transmission LLC

Facility Name: Seneca Compressor Station

Facility ID **03-54-** 071 - 00008
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S 20150326152653 - F54 - 071 - 0008 - R 2014

Emission Inventory Submittal for Calendar Year: 2014

Name of Submitter Robert M. Kitchell

Date of Submittal: 3-26-2015

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Robert M. Kitchell

Title: Vice President, Operations

Telephone: 724-223-2752

Fax Number: 724-223-2770

E-Mail address: rmkitchell@nisource.com

Signature: Robert M. Kitchell

Date: 3-29-2015

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Cytec Industries Inc.

Facility Name: Willow Island Plant

Facility ID **03-54-** 073 - 00003
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20150330114756-F54-073-00003-R2014

Emission Inventory Submittal for Calendar Year: 2014

Name of Submitter : John K. Pitner

Date of Submittal: March 30, 2015

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

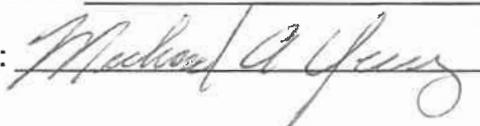
Michael A. Young

Title: Site Manager

Telephone: 304-665-3461

Fax Number: 304-665-3616

E-Mail address: mike.young@cytec.com

Signature: 

Date: 3/30/15

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Appalachian Power Company

Facility Name: John E. Amos Plant

Facility ID **03-54-** 079 **-** 00006
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20130419131325-F54-079-00006-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter Gregory J. Wooten

Date of Submittal: April 19, 2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

John M. McManus

Title: Title IV Designated Rep.

Telephone: 614-716-1268

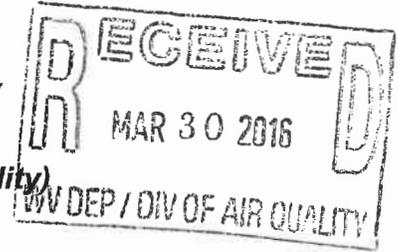
Fax Number: 614-716-1252

E-Mail address: jmmcmanus@aep.com

Signature: 

Date: 4/23/13

CERTIFICATION OF DATA ACCURACY



(Please submit one sheet for each facility)

Company Name: Columbia Gas Transmission LLC

Facility Name: Files Creek

Facility ID **03-54-** 083 **-** 00019
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20160324092221-F54-083-00019-R2015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter Kelly Denise Taylor

Date of Submittal: 3/24/2016

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

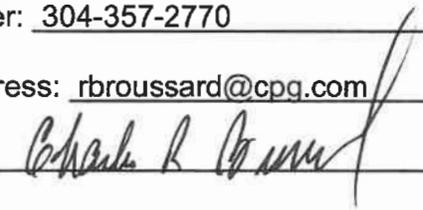
Charles R. Broussard

Title: Vice President of Operations

Telephone: 337-266-4685

Fax Number: 304-357-2770

E-Mail address: rbroussard@cpq.com

Signature: 

Date: 3/24/16

CERTIFICATION OF DATA ACCURACY
(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Craig Compressor Station

Facility ID **03-54-** 085 - 00004
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331130120-F54-085-00004-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/14

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

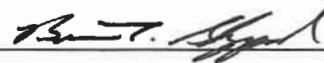
Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: MPM Silicones LLC

Facility Name: Sistersville Plant

Facility ID **03-54-** 095 - 00001
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S 20160329143240 - F54-095-00001 - R2015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter OKey Tucker

Date of Submittal: 3/29/16

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Daniel J. Beringer

Title: Sr. Director of Operations

Telephone: 304-652-8408

Fax Number: 304-652-8738

E-Mail address: daniel.beringer@momentive.com

Signature:  Date: 3/29/16

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Deep Valley Compressor Station

Facility ID **03-54-** 095 - 00007
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331130755 - F54 - 095 - 00007 - R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/14

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Saint Gobain Ceramics and Plastics, Inc.

Facility Name: Corhart Refractories

Facility ID 03-54- 097 - 00001
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20130416142217-F54-077-00001-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter Lori Steele

Date of Submittal: April 16, 2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency and placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

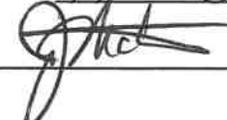
Jay Martin

Title: Plant Manager

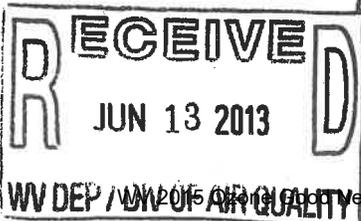
Telephone: (304) 472-4000

Fax Number: _____

E-Mail address: jay.martin@saint-gobain.com

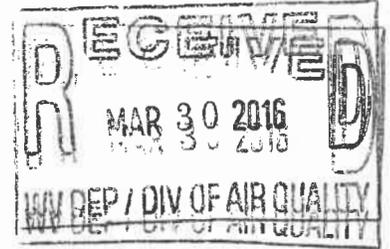
Signature: 

Date: 6/6/13



CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)



Company Name: Columbia Gas Transmission LLC

Facility Name: Ceredo

Facility ID **03-54- 099** - **00013**
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20160322132415-F54-099-00013-R2015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter Kelly Denise Taylor

Date of Submittal: 3/22/2016

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

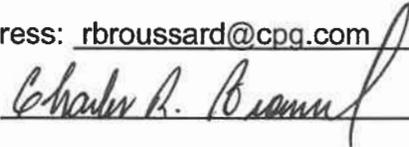
Charles R. Broussard

Title: Vice President of Operations

Telephone: 337-266-4685

Fax Number: 304-357-2770

E-Mail address: rbroussard@cpq.com

Signature: 

Date: 3/24/16

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Columbia Gas Transmission LLC

Facility Name: Kenova Compressor Station

Facility ID **03-54-** 099 - 00014
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S2015 0325103650 - FS4-099-00014 - R2014

Emission Inventory Submittal for Calendar Year: 2014

Name of Submitter Robert M. Kitchell

Date of Submittal: 3-25-2015

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Robert M. Kitchell

Title: Vice President, Operations

Telephone: 724-223-2752

Fax Number: 724-223-2770

E-Mail address: rmkitchell@nisource.com

Signature: *RMK*

Date: 3-29-2015

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Hastings Compressor Station

Facility ID **03-54-** 103 - 00006
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331131926-F54-103-0006-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Brian C. Sheppard

Title: V.P. - Pipeline Operations

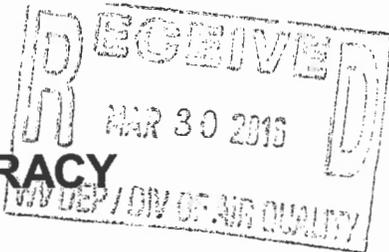
Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14



CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Columbia Gas Transmission LLC

Facility Name: Smithfield

Facility ID **03-54-** 103 **-** 00010
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20160321124628-F54-103-00010-R2015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter Kelly Denise Taylor

Date of Submittal: 3/21/2016

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Robert M. Kitchell

Title: Vice President of Operations

Telephone: 724-223-2752

Fax Number: 304-357-2770

E-Mail address: rmkitchell@cpg.com

Signature:

Date: 3/24/16

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Equitrans, L.P.

Facility Name: Logansport

Facility ID **03-54-** 103 - 00033
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20160324074424-F54-103-00033-R2015

Emission Inventory Submittal for Calendar Year: 2015

Name of Submitter Kimberly Gissy

Date of Submittal: 03/24/2016

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

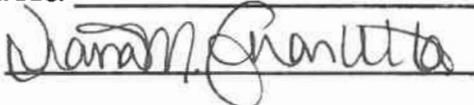
Diana Charletta

Title: Sr. VP Midstream Operations

Telephone: 412-395-3907

Fax Number: 412-395-3919

E-Mail address: dcharletta@eqt.com

Signature: 

Date: 3/24/16

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: E. I. du Pont de Nemours and Company

Facility Name: Washington Works

Facility ID **03-54-** 107 - 00001
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

The SLEIS system was unable to complete the validation step for this facility.

Emission Inventory Submittal for Calendar Year: 2014

Name of Submitter: Chris E. Shoop

Date of Submittal: March 31, 2015

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry with the following exception: many emission point data sets had to be edited from the accurate values for diameter, temperature, and velocity in order to pass the SLEIS error checking routines. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. ***I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.***

Name of Person Completing this Form (Print or Type):

Robert J. Fehrenbacher

Title: Plant Manager

Telephone: (304) 863-4305

Fax Number: (304) 863-2735

E-Mail address: Robert.J.Fehrenbacher@chemours.com

Signature:  Date: 3/30/2014

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Pinnacle Mining Company, LLC

Facility Name: Pinnacle Preparation Plant

Facility ID **03-54-** 109 00006
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

520170329112805-F54-109-00006-R2016

Emission Inventory Submittal for Calendar Year: 2016

Name of Submitter Mike Isabell

Date of Submittal: 03-29-2017

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Jon Lester

Title: General Manager

Telephone: 304-256-5226

Fax Number: 304-732-7938

E-Mail address: Jon.Lester@missoncoal.com

Signature: Jon Lester

Date: 3/29/17

Form revised December 13, 2013

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Oscar Nelson Compressor Station

Facility ID **03-54-** 109 00018
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(An email containing this number will be sent to the submitter's email address)

S20130508183032-F54-109-00018-R2012

Emission Inventory Submittal for Calendar Year: 2012

Name of Submitter William A. Scarpinato

Date of Submittal: 05/08/2013

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

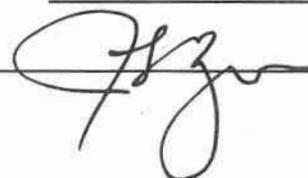
Jeffrey L. Barger

Title: Vice President, Pipeline Operations

Telephone: 304-627-3910

Fax Number: 304-627-3323

E-Mail address: jeffrey.l.barger@dom.com

Signature: 

Date: 05-09-13

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Oscar Nelson Compressor Station

Facility ID **03-54-** 109 - 00018
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331134332-F54-109-00018-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14

CERTIFICATION OF DATA ACCURACY

(Please submit one sheet for each facility)

Company Name: Dominion Transmission, Inc.

Facility Name: Loup Creek Compressor Station

Facility ID **03-54-** 109 - 00019
3-DIGIT COUNTY CODE 5-DIGIT FACILITY NUMBER

Fill in the SLEIS confirmation number for your emission inventory submittal:
(When your inventory was submitted, this number was sent to the submitter's email address)

S20140331134007-FS4-109-00019-R2013

Emission Inventory Submittal for Calendar Year: 2013

Name of Submitter Meghann Quinn

Date of Submittal: 3/31/2014

I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment. **I am also aware that my emission inventory data is nonconfidential and will be submitted to the Environmental Protection Agency to be placed in a database which is open to the public.**

Name of Person Completing this Form (Print or Type):

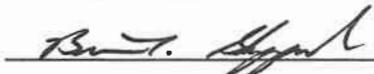
Brian C. Sheppard

Title: V.P. - Pipeline Operations

Telephone: 304-627-3733

Fax Number: 304-627-3323

E-Mail address: Brian.C.Sheppard@dom.com

Signature: 

Date: 03/26/14

Documentation to Support Switch In Processes (2017)

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Bayer CropScience LP
Institute Site
039-00007
Permit No. R13-3111D

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west virginia department of environmental protection

Division of Air Quality
601 57th Street, SE
Charleston, WV 25304-2345
Phone: 304 926 0475 • Fax: 304 926 0479

Jim Justice, Governor
Austin Caperton, Cabinet Secretary
www.dep.wv.gov

February 14, 2017

Ms. Connie Stewart
Head of Institute Site
Bayer CropScience LP
P.O. Box 1005
Institute, WV 25112

Re: Bayer CropScience LP
Institute Site
Permit No. R13-3111D
Plant ID No. 039-00007

Dear Ms. Stewart:

Your application for a permit as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed permit R13-3111D is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

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

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.

Permit Cover Letter to Ms. Stewart

December 21, 2016

Page 2 of 2

Should you have any questions or comments, please contact me at (304) 926-0499, extension 1214.



Edward S. Andrews, P.E.
Engineer

Enclosures

- c. Connie Stewart, connie.stewart@bayer.com
Vince McCormick, vince.mccormick@bayer.com
Linda Tennant, linda.tennant@bayer.com

This permit will supercede and replace Permit R13-3111C.

Facility Location: On State Route 25
Institute, Kanawha County, West Virginia
Mailing Address: P.O. Box 1005
Institute, WV 25112
Facility Description: Chemical Manufacturing Complex
NAICS Codes: 325320
UTM Coordinates: 432.0 km Easting • 4,248.3 km Northing • Zone 17
Permit Type: Modification
Description of Change: This action is for the installation of Boiler 20, which is a 106 MMBtu/hr, natural gas fired boiler.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

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

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1.0. Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity (MMBtu/hr)	Control Device
B016	E016	Boiler 16 ¹ ; Industrial Boiler Natural Gas Fired Boiler with low-NO _x Burner	2015	350 MMBtu/hr	None
B017	E017	Boiler 17 ¹ ; Industrial Boiler Natural Gas Fired Boiler with low-NO _x Burner	2015	350 MMBtu/hr	None
B018	E018	Boiler 18 ¹ ; Industrial Boiler Natural Gas Fired Boiler with low-NO _x Burner	2015	350 MMBtu/hr	None
B019	E019	Boiler 19 ¹ ; Industrial Boiler Natural Gas Fired Boiler with low-NO _x Burner	2016	106 MMBtu/hr	None
B020	E020	Boiler 20 ¹ ; Industrial Boiler Natural Gas Fired Boiler with low-NO _x Burner	2017	106 MMBtu/hr	None

1- Boiler Nos. 16, 17, 18, 19 are new affected units under Subpart Db to Part 60 and Subpart DDDDD to Part 63.

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.

2.2. Acronyms

CAAA	Clean Air Act Amendments	NO_x	Nitrogen Oxides
CBI	Confidential Business Information	NSPS	New Source Performance Standards
CEM	Continuous Emission Monitor	PM	Particulate Matter
CES	Certified Emission Statement	PM_{2.5}	Particulate Matter less than 2.5 μm in diameter
C.F.R. or CFR	Code of Federal Regulations	PM₁₀	Particulate Matter less than 10μm in diameter
CO	Carbon Monoxide	Ppb	Pounds per Batch
C.S.R. or CSR	Codes of State Rules	Pph	Pounds per Hour
DAQ	Division of Air Quality	Ppm	Parts per Million
DEP	Department of Environmental Protection	Ppmv or ppmv	Parts per Million by Volume
dscm	Dry Standard Cubic Meter	PSD	Prevention of Significant Deterioration
FOIA	Freedom of Information Act	Psi	Pounds per Square Inch
HAP	Hazardous Air Pollutant	SIC	Standard Industrial Classification
HON	Hazardous Organic NESHAP	SIP	State Implementation Plan
HP	Horsepower	SO₂	Sulfur Dioxide
lbs/hr	Pounds per Hour	TAP	Toxic Air Pollutant
LDAR	Leak Detection and Repair	TPY	Tons per Year
M	Thousand	TRS	Total Reduced Sulfur
MACT	Maximum Achievable Control Technology	TSP	Total Suspended Particulate
MDHI	Maximum Design Heat Input	USEPA	United States Environmental Protection Agency
MM	Million	UTM	Universal Transverse Mercator
MMBtu/hr or mmbtu/hr	Million British Thermal Units per Hour	VEE	Visual Emissions Evaluation
MMCF/hr or mmcf/hr	Million Cubic Feet per Hour	VOC	Volatile Organic Compounds
NA	Not Applicable	VOL	Volatile Organic Liquids
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		

2.3. Authority

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

- 2.3.1. 45CSR13 – *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation;*
- 2.3.2. 45CSR14 – *Permits for Construction and Major Modification of Major Stationary Sources of Air Pollution for the Prevention of Significant Deterioration;*

2.4. Term and Renewal

- 2.4.1. This permit supersedes and replaces previously issued Permit R13-3111C. This Permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any other applicable legislative rule;

2.5. Duty to Comply

- 2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Application R13-3111, R13-3111A, R13-3111B, R13-3111C, R13-3111D and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;
[45CSR§§13-5.11 and 10.3.]
- 2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;
- 2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;
- 2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses, and/or approvals from other agencies; i.e., local, state, and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

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

2.7. Duty to Supplement and Correct Information

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

2.8. Administrative Update

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.

[45CSR§13-4.]

2.9. Permit Modification

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.

[45CSR§13-5.4.]

2.10 Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.

[45CSR§13-5.1]

2.11. Inspection and Entry

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

- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

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

2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are met.

- 2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
 - d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- 2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- 2.12.5 The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

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

2.14. Suspension of Activities

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

2.15. Property Rights

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

2.16. Severability

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

2.17. Transferability

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

2.18. Notification Requirements

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

2.19. Credible Evidence

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

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management, and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1] *[State Enforceable Only]*
- 3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]
- 3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11.
[45CSR§11-5.2.]

3.2. Monitoring Requirements

[Reserved]

3.3. Testing Requirements

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

connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.
- b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.
- c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.
- d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the 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; and,
 3. A statement of compliance or noncompliance with each permit or rule condition.

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

3.4. Recordkeeping Requirements

- 3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports, and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for

continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

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

3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- 3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
- 3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

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

If to the US EPA:

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

3.5.4. Operating Fee

- 3.5.4.1. In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.
- 3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based

upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

4.0. Source-Specific Requirements

4.1. Limitations and Standards

4.1.1. The following conditions and requirements are specific to Boiler Nos. 19 and 20:

- a. CO emissions emitted to the atmosphere from each boiler shall not exceed 3.91 pounds per hour with an annual rate not to exceed 17.13 tpy. Compliance with this limit shall be satisfied by optimization of the CO concentration from the unit during the tune-up as required in Condition 4.1.3. and satisfying Condition 4.1.1.e.
- b. NO_x emissions emitted to the atmosphere from each boiler shall not exceed 0.037 pounds per MMBtu. Compliance with this limit shall be determined on a continuous basis through the use of a 30-day rolling average emission rate. A new 30-day rolling average emission rate is calculated each steam generating unit operating day as the average of all of the hourly NO_x emission data for the preceding 30 steam generating unit operating days. This limit applies at all times including periods of startup, shutdown, or malfunction.
[40 CFR §60.44b(a), (h), and (i); 40 CFR §60.46b(e)(3)]
- c. Each boiler shall only be fired with pipeline quality natural gas. This condition satisfies compliance with the limitations of 45CSR§2-3.1., 45CSR§2-4.1.b. and 45CSR§10-3.1.e.
- d. Each boiler shall be equipped, maintained, operated with a continuous oxygen trim system that maintains an optimum air to fuel ratio for the unit. Such system shall be installed upon initial start-up of the unit.
[40 CFR §63.7575]
- e. Each boiler shall be designed or constructed with a maximum design heat input of 106 MMBtu/hr. Compliance with this limit for the boiler shall be satisfied by limiting the annual consumption of natural gas to 910.35 MM cubic feet, measured as a 12 month rolling total.

4.1.2. The following conditions and requirements are specific to Boilers 16, 17, and 18:

- a. CO emissions emitted to the atmosphere from each boiler shall not exceed 12.0 pounds per hour on a 3-hour average with an annual rate not to exceed 52.4 tpy. Initial compliance with this limit shall be satisfied through testing as required in Condition 4.3.1. After the initial compliance demonstration, verifying compliance with this hourly limit shall be satisfied by optimization of the CO concentration from the unit during the tune-up as required in Condition 4.1.4. and verifying compliance with the annual limit shall be determined by satisfying the fuel usage limit of Condition 4.1.3.e.
- b. NO_x emissions emitted to the atmosphere from each boiler shall not exceed 0.036 pounds per MMBtu. Compliance with this limit shall be determined on a continuous basis through the use of a 30-day rolling average emission rate. A new 30-day rolling average emission rate is calculated each steam generating unit operating day as the average of all of the hourly NO_x emission data for the preceding 30 steam generating unit operating days. This limit applies at all times including periods of startup, shutdown, or malfunction.
[40 CFR §60.44b(a), (h), and (i); 40 CFR §60.46b(e)(3)]
- c. Each boiler shall only be fired with pipeline quality natural gas. This condition satisfies compliance with the limitations of 45CSR§2-3.1., 45CSR§2-4.1.b. and 45CSR§10-3.1.e.

- d. Each boiler shall be equipped, maintained, operated with a continuous oxygen trim system that maintains an optimum air to fuel ratio for each unit. Such system shall be installed upon initial start-up of the unit.
[40 CFR §63.7575]
 - e. Each boiler shall be designed or constructed with a maximum design heat input of no greater than 350 MMBtu/hr. Compliance with this limit for each boiler shall be satisfied by limiting the annual consumption of natural gas to 2,942.4 MM cubic feet, measured as a 12 month rolling total.
- 4.1.3. The permittee shall conduct the initial tune-up and subsequent tune-ups for the boilers in accordance with the following timing and tune-up requirements:
- a. The initial tune up for Boiler Nos. 16, 17, 18, 19, and 20 shall be completed no later than 61 months after initial start-up of each affected unit respectively.
[40 CFR §63.7510(g) & §63.7490(b)]
 - b. Subsequent tune-ups for Boilers Nos. 16, 17, 18, 19, and 20 shall be completed no later than 61 months after the previous tune-up.
[40 CFR §63.7515(d) § 63.7540(a)(12)]
 - c. Each tune-up shall consist of the following:
 - i. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (permittee may delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
 - ii. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
 - iii. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown);
 - iv. Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, which includes the manufacturer's NO_x concentration specification of 30 ppm;
 - v. Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.
[40 CFR §63.7500(a)(1), §63.7505(a), §§63.7510(g), §63.7515(d), §63.7540(a)(12), and Table 3 to Subpart DDDDD of Part 63—Work Practice Standards]
- 4.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11.]

4.2. Monitoring Requirements

- 4.2.1. The permittee shall record and maintain records of the amount of natural gas consumed by Boiler Nos. 16, 17, 18, 19 and 20 during each day and calculate the annual capacity factor for the reporting period. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity calculated at the end of each calendar month. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[40 CFR §60.49b(d)(1)]

- 4.2.2. For Boiler Nos. 16, 17, 18, 19, and 20, the permittee shall install, operate, certify, and maintain a continuous emission monitoring system (CEMS) for measuring NO_x, and diluent gas (CO₂ or O₂) from the exhaust of each boiler in accordance with the applicable Performance Specifications under Appendix B to Part 60 of Chapter 40 or a NO_x CEMS that meets the requirements of Part 75 of Chapter 40 of the Code of Federal Regulations. A NO_x CEMS installed, operated, maintained and continuing to meet the ongoing requirements of Part 75 of the Chapter 40, may be used for the purpose of demonstrating compliance with the NO_x in Condition 4.1.3.b., except that the permittee shall also meet the requirements of §60.49b. Such monitor system shall include an automated data acquisition and handling system (DAHS). All required certification tests of the monitoring system for Boiler Nos. 16, 17, and 18 must be completed no later than 90 unit operating days or 180 calendar days (whichever is sooner) after initial start-up of each boiler. All required certification tests of the monitoring system for Boiler Nos. 19 and 20 must be completed 180 calendar days after initial start-up.

The procedures under 40 CFR §60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems. The span value for NO_x shall be 500 ppm or the value determined according to Section 2.1.2. in Appendix A to Part 75 of Chapter 40.

The CEMS required under this condition shall be operated and data recorded during all periods of operation of the respected boiler except for CEMS breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments.

The 1-hour average NO_x emission rates measured by the continuous NO_x monitor required by this condition and required under 40 CFR §60.13(h) shall be expressed in lb/MMBtu heat input and shall be used to calculate the average emission rates under item b of Condition 4.1.3. The 1-hour averages shall be calculated using the data points required under 40 CFR §60.13(h)(2).

When NO_x emission data are not obtained because of CEMS breakdowns, repairs, calibration checks and zero and span adjustments, emission data will be obtained by using standby monitoring systems, Method 7 of appendix A of this part, Method 7A of Appendix A of this part, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days.

CEMS unit conforming to the specifications of 40 CFR Part 75 shall use unbiased, un-substituted data to demonstrate compliance with the limits as specified in this permit.

For purposes of calculating data averages, the permittee cannot use data recorded during periods of monitoring malfunctions, associated repairs, out-of-control periods, required quality assurance or control activities. The permittee must use all the data collected during all other periods in assessing compliance with the emission limit permitted in Condition 4.1.3. Any periods for which the monitoring system is out of control and data are not available for required calculations constitute a deviation from the monitoring requirements. Records of all data collected, calibrations, calibration

checks, relative accuracy tests, maintenance performed, and malfunctions of the CEMS shall be maintained in accordance with Condition 3.4.1. of this permit.

[40 CFR §§60.48b(b) though (f), 45 CSR §40-71. and 40 CFR §75.20.]

4.3. Testing Requirements

4.3.1. The purpose of this requirement is for the permittee to demonstrating initial compliance with the CO emission limit in Condition 4.1.3.a. Within 180 days after start-up and a satisfactory performance evaluation of the NO_x CEMs, the permittee shall conduct initial performance testing for Boiler Nos. 16, 17, and 18 to demonstrate initial compliance with the hourly CO rate in Condition 4.1.3.a. for each unit. The permittee shall conduct such testing at 90 percent or greater of each unit's maximum design heat input, in accordance with Test Method 10B from Appendix A to 40 CFR Part 60, and Condition 3.3.1. In the test report, the permittee shall include the NO_x measurement from the NO_x CEM for each test run of each test. Records of this testing shall be maintained in accordance with Condition 3.4.1.

4.3.2. To determine initial compliance with the emission limits for NO_x required under 40 CFR §60.44b and Conditions 4.1.1.b. and 4.1.2.b., the permittee shall conduct the performance test for Boiler Nos. 16, 17, 18, 19, and 20 as required under 40 CFR §60.8 using the continuous system for monitoring NO_x (NO_x CEMS) under Condition 4.2.3. Such testing shall be conducted within 60 days after achieving the maximum production rate at which the affected unit will be operated, but not later than 180 days after initial startup of the boiler.

NO_x emissions from the steam generating unit are to be monitored for 30 successive steam generating unit operating days and the 30-day average emission rate is used to determine compliance with the NO_x emission standards under Condition 4.1.3.b. and 40 CFR §60.44b. The 30-day average emission rate is calculated as the average of all hourly emissions data recorded by the monitoring system during the 30-day test period. Such testing shall be conducted in accordance with Condition 3.3.1. and 40 CFR §60.46b. Records of this testing shall be maintained in accordance with Condition 3.4.1.

[40 CFR §60.8, §60.46b(c) & (e)(1)]

4.4. Recordkeeping Requirements

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

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

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

- 4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
- a. The equipment involved.
 - b. Steps taken to minimize emissions during the event.
 - c. The duration of the event.
 - d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
 - f. Steps taken to correct the malfunction.
 - g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
- 4.4.4. The permittee shall keep the following records in accordance with 40CFR§63.7555. This includes but is not limited to the following information during the tune-up as required in Condition 4.1.3. and 40 CFR §63.7540:
- a. The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater. During the tune-up, concentrations of NO_x from the CEMS of the unit shall be included; and
 - b. A description of any corrective actions taken as a part of the tune-up.
[40 CFR §§63.7540 (a)(12), and 63.7555]
- 4.4.5. The permittee shall maintain records of the following information for each steam generating unit operating day of Boiler Nos. 16, 17, 18, 19, and 20:
- a. Calendar date;
 - b. The average hourly NO_x emission rates (expressed as NO₂) (lb/MMBtu heat input) measured or predicted;
 - c. The 30-day average NO_x emission rates (lb/MMBtu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 steam generating unit operating days;
 - d. Identification of the steam generating unit operating days when the calculated 30-day average NO_x emission rates are in excess of the NO_x emissions standards under §60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken;
 - e. Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;

- f. Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
- g. Identification of “F” factor used for calculations, method of determination, and type of fuel combusted;
- h. Identification of the times when the pollutant concentration exceeded full span of the CEMS;
- i. Description of any modifications to the CEMS that could affect the ability of the CEMS to comply with Performance Specification 2 or 3; and
- j. Results of daily CEMS drift tests and quarterly accuracy assessments as required under appendix F, Procedure 1 of Part 60.

Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[40 CFR §60.49b(g)]

4.5. Reporting Requirements

- 4.5.1. The permittee shall submit a “Notification of Compliance Status” for boiler Nos. 16, 17, 18, 19, and 20 to the Director before the close of business on the sixtieth (60th) day after completion of the initial compliance demonstration as required in Condition 4.1.3. Such “Notification of Compliance Status” shall be in accordance with 40 CFR §63.9(h)(2)(ii) and contain the information specified in 40 CFR §§63.7545(e)(1), and (8), which includes a statement the initial tune-up for each boiler was completed.
[40CFR§63.7545(e)]
- 4.5.2. The permittee shall submit an “Initial Notification” to the Director of the initial start-up of Boiler Nos. 16, 17, 18, 19, and 20 within 15 days after the actual date of start-up. This Initial Notification supersedes the notification requirements of Condition 2.18.
[40CFR§§63.7545(c) & 40 CFR §60.49b(a), §60.7]
- 4.5.3. The permittee shall submit “5-year Compliance Reports” for the Boiler Nos. 16, 17, 18, 19, and 20 electronically using CEDRI that is accessed through the EPA’s Center Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form for this report is not available in CEDRI at the time the report is due, the permittee shall submit the report to the Administrator and Director using the addresses listed in Condition 3.5.3. The first compliance report shall be submitted no later than five years after the initial start-up of the unit and the first date ending on January 31. Subsequent reports shall be submitted once every five years afterwards. Such reports shall contain the information specified in 40 CFR §§63.7550(c)(1) which are:
 - a. Permittee and facility name, and address;
 - b. Process unit information, emission limitations, and operating limitations;
 - c. Date of report and beginning and ending dates of the reporting period;
 - d. Include the date of the most recent tune-up for each boiler; and
 - e. Include the date of the most recent burner inspection if it was not done on a five-year frequency and was delayed until the next scheduled or unscheduled unit shutdown.

The permittee shall maintain records of such reports in accordance with Condition 3.4.1.
[40CFR §§63.7550(b), (b)(1), (c)(1), & (c)(5)(i) though (iv) and (xiv), and (h)(3)]

- 4.5.5. The permittee shall submit to the Director within 60 days of completion of NO_x CEMS performance evaluation for Boiler Nos. 16, 17, 18, 19, and 20 two copies of the performance evaluation report for each unit of satisfy Part 60 notification requirements for certifying the NO_x CEMS. A copy of the NO_x CMS Certification Application required by 45 CSR §40-74.3 and 40 CFR §75.63(a)(1) provisions shall be submitted in the Administrator and Director within 45 days of completion of all CEM certification tests, which shall include the information as prescribed in 40 CFR §75.63(b). **[45 CSR §40-73.1., 45 CSR §40-74.3, 40 CFR §60.13(c)(2), 40 CFR §60.49b(b), and 40 CFR §75.63(a)(1)]**
- 4.5.6. The permittee shall submit semiannual and annual reports to the Director for Boiler Nos. 16, 17, 18, 19, and 20. The reporting period for these reports shall be January 1st through June 30th and July 1st through December 31st. Such reports shall be submitted with the facility's Title V Compliance Report. These reports shall contain the recorded information as required in Condition 4.4.5. **[40 CFR §60.49b(g), (i), & (w)]**

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.

Signature¹

(please use blue ink)

_____ Responsible Official or Authorized Representative

_____ Date

Name & 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 U.S. EPA); or
- d. The designated representative delegated with such authority and approved in advance by the Director.

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Documentation to Support Facility Shutdowns

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SABIC Innovative Plastics US LLC

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I.D. No. 10700010 Reg. 30
Company SABIC
Facility Washington Region 2
Initials ALP

west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304 926 0475 • FAX: 304 926 0479

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

September 10, 2015

Scott Dansey, Site Manager
SABIC Innovative Plastics US LLC
P.O. Box 68
Washington, WV 26181

Re: Company ID No. 107-00010
Permits R13-009B, 13-0301A, 13-0658B, 13-0992C,
13-1009B, 13-1069, 13-1097, 13-1133A, 13-1351B,
13-1588D, 13-1886F, 13-2084C, 13-2288C,
13-2486A, 13-2678A, 13-2572E,
R30-10700010-2012 (SM02)
Washington Facility

Dear Mr. Dansey:

Pursuant to your letter dated August 13, 2015, Permits R13-009B, 13-0301A, 13-0658B, 13-0992C, 13-1009B, 13-1069, 13-1097, 13-1133A, 13-1351B, 13-1588D, 13-1886F, 13-2084C, 13-2288C, 13-2486A, 13-2678A, 13-2572E and R30-10700010-2012 (SM02) have been placed as inactive. Once verified by our Compliance and Enforcement Section, this facility will be placed as Status 90 – permanently shutdown.

Please bear in mind, any future operation may require a permit pursuant to 45CSR13.

Sincerely,

William F. Durham
Director

WFD/jlr

c: Robert Keatley
File Room

Promoting a healthy environment.

Entire Document
NON-CONFIDENTIAL



August 13, 2015

Associate Director, Office of Enforcement and Permits Review
(3AP12)
United States Environmental Protection Agency - Region III
1650 Arch Street
Philadelphia, PA 19103-2029



William F. Durham
Director, Division of Air Quality
West Virginia Department of Environmental Protection
601 - 57th Street, SE
Charleston, WV 25304

Re: **SABIC INNOVATIVE PLASTICS US LLC - Washington, WV**
Facility ID R30-10700010
NOTICE OF FACILITY CLOSURE, SURRENDER OF TITLE V PERMIT, and
SURRENDER OF WV R13 PERMITS

Dear Mr. Durham:

By this letter, SABIC Innovative Plastics US LLC ("SABIC"), the owner and operator of the above-referenced facility, hereby surrenders its Title V permit (number R30-10700010-2012; issued 6/6/2012; last modified 2/4/2014), effective as of the date of this letter (August 13, 2015).

Effective May 4, 2015, SABIC discontinued all manufacturing operations at its Washington, WV facility. Therefore, the site no longer meets the definition of a "major source" in 45 CSR 30.

By separate letters of this same date, SABIC is submitting all remaining reports (CAM report for the first half of 2015; semiannual reports for the first half and second half of 2015; and the annual compliance certification for RY2015) required by its Title V permit. The submission of these reports discharges all of SABIC's remaining reporting obligations under the Title V permit.

SABIC considers this surrender of its Title V permit to completely and irrevocably terminate the permit and its authority to operate the emission units subject to the permit. All of the emission units at the facility have been shut down, and SABIC disclaims any intention or right to operate

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Washington, WV 26181
T: +1 304 863 7793
F: +1 304 863 7825
E: Scott.Dansey@sabic-ip.com
www.sabic-ip.com

them or re-start them. SABIC intends that this surrender of its Title V permit terminate the status of its facility as a Clean Air Act "major source".

In addition, SABIC is surrendering, effective August 13, 2015, all active Air Permits for this facility issued pursuant to the requirements of 45CSR13. It is SABIC's belief that the following table lists all such R13 permits, but if any R13 permit is active and not listed below, it is SABIC's intent to surrender that permit as well:

Permit or Consent Order Number	Date of Issuance
R13-0009B ✓	April 5, 2010
R13-2486A ✓	March 15, 2005
R13-1886F ✓	July 28, 2011
R13-2084C ✓	February 18, 2009
R13-2572E ✓	October 29, 2013
R13-2678A ✓	July 28, 2011
R13-2288C ✓	September 14, 2006
R13-1588D ✓	April 4, 2012
R13-1351A ✓	February 22, 2002
R13-1133A ✓	March 7, 2002
R13-1097 ✓	May 9, 1989
R13-1069 ✓	December 30, 1988
R13-1009A ✓	October 9, 2003
R13-0992B ✓	October 14, 2003
R13-0658B ✓	July 28, 2011
R13-0301A ✓	March 7, 2002

Based on the foregoing, SABIC requests that the Director acknowledge, in writing, that SABIC's Title V permit and all active R13 permits expired effective August 13, 2015. However, please note that the lack of an acknowledgement will not alter the effect of SABIC's surrender of all such permits.

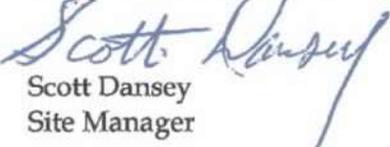
SABIC has been complying with the WV DEP Industrial Facility Closure Guidance Document requirements with the assistance of our consultant, Michael Baker Jr., Inc., and in coordination with the WV DEP, and will continue to do so. The planned disposition of the manufacturing site is full demolition to grade by the end of 2015, followed by the sale of the property.

In addition, please note that SABIC will submit its Annual Air Emission Report (SLEIS) for RY2015 by September 1, 2015 and will pay the appropriate fee when invoiced.

Thank you for your attention to this important matter. Please contact me at 304-863-7793 if you have any questions.

Pursuant to 45CSR30-4.4, I certify that, based on information and belief formed after reasonable inquiry, that the statements made in this letter are true, accurate and complete.

Respectfully Submitted,


Scott Dansey
Site Manager

cc: Doug Hammell - WV DEP - DAQ
Carrie Mccumbers - WV DEP - DAQ
Beverly Mckeone - WV DEP - DAQ

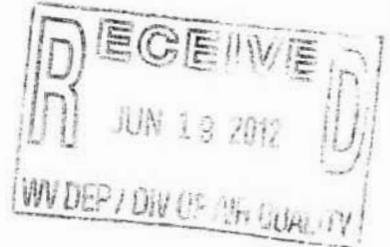
Pineville/Wolf Pen Compressor Station

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June 18, 2012

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



RE: Notice of Violation (NOV)
Pineville/Wolf Pen Compressor Station
ID # 109-00107

Dear Mr. Benedict

In reference to the NOV issued June 12, 2012 to GeoMet Operating Co., Inc.

GeoMet acquired the properties from Vitruvian in November of 2011, at that time one CAT 3516 engine/compressor was on location, on March 20, 2012 GeoMet downsized the compressor with one CAT 3508 engine/compressor and shutdown the larger 3516 unit. GeoMet was unaware that notification was required since fewer emissions would be emitted.

Start-up & commissioning of the smaller 3508 was completed on March 20, 2012, total run time on smaller engine/compressor unit was 86 days.

Since that time the decision was made to shut the entire Pineville/Wolf Pen area in, due to uneconomical operating conditions brought forth by low gas prices. The production for the Pineville/Wolf Pen area was shut in and the 3508 was shut down on June 14, 2012.

At this time it is unclear whether or not this facility will ever be restarted.

I apologize for not notifying the state of our actions in advance, and assure you that it is GeoMet's position to be in full compliance of all state and federal air permitting requirements.

Sincerely,

Brett S. Camp
Senior Vice President - Operations
GeoMet Operating Co., Inc.

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Documentation to below Title V Applicability

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QG Printing II Corp.
003-00018

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West Virginia Department of Environmental Protection

*Earl Ray Tomblin
Governor*

Division of Air Quality

*Randy C. Huffman
Cabinet Secretary*

Permit for Modification



R13-1156I

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45 C.S.R. 13 — Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:

QG Printing II Corp.

QG Printing II Corp.

003-00018

A blue ink signature of William F. Durham, written in a cursive style, positioned above a horizontal line.

*William F. Durham
Director*

Issued: July 24, 2014 • Effective: July 24, 2014

This permit will supercede and replace Permit R13-1156H issued on October 1, 2013.

Facility Location: Martinsburg, Berkeley County, West Virginia
Mailing Address: 855 Caperton Blvd., Martinsburg, WV 25405
Facility Description: Printing and Publishing Facility
SIC Codes: 2752
UTM Coordinates: 250.0 km Easting • 4,366.5 km Northing • Zone 18
Latitude/Longitude: 39.41173/-77.90377
Permit Type: Modification
Desc. of Change: Revision of a variety of material usage limits, removal of Heatset Press 3S, and the replacement of Inkjet Press 25S (which was never installed) with a coldset press. As a result of this permit, the facility's VOC emissions fall below Title V major source levels.

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.

As a result of this permit, the source is not subject to 45CSR30.

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1.0 Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
4S	4E	M.A.N. Web Offset Heat Lithographic Press	1989	4.0 mmBTU/hr, 1,602 ft./min.	None
6S	6E	M.A.N. Web Offset Heat Lithographic Press	1989	2.6 mmBTU/hr, 887 ft./min.	None
7S	7E	Web Offset Heat Lithographic Press	1998	1.2 mmBTU/hr, 887ft./min.	None
21S	21E	Stratchen & Henshaw Coldset Press	2011	1,500 ft./min.	None
22S	22E	Timson T48 Coldset Press	2011	1,500 ft./min.	None
23S	23E	Timson T48 Coldset Press	2011	1,500 ft./min.	None
24S	24E	Domino/Kodak Prosper Inkjet Press	2014	490 ft./min.	None
25S	25E	52 DI Presstek Sheetfed Coldset Press	2014	305.25 ft./min.	None

2.0. General Conditions

2.1. Definitions

- 2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.
- 2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.
- 2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45 CSR § 30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

2.2. Acronyms

CAAA	Clean Air Act Amendments	NO_x	Nitrogen Oxides
CBI	Confidential Business Information	NSPS	New Source Performance Standards
CEM	Continuous Emission Monitor	PM	Particulate Matter
CES	Certified Emission Statement	PM_{2.5}	Particulate Matter less than 2.5µm in diameter
C.F.R. or CFR	Code of Federal Regulations	PM₁₀	Particulate Matter less than 10µm in diameter
CO	Carbon Monoxide	Ppb	Pounds per Batch
C.S.R. or CSR	Codes of State Rules	pph	Pounds per Hour
DAQ	Division of Air Quality	ppm	Parts per Million
DEP	Department of Environmental Protection	Ppmv or ppmv	Parts per million by volume
dscm	Dry Standard Cubic Meter	PSD	Prevention of Significant Deterioration
FOIA	Freedom of Information Act	psi	Pounds per Square Inch
HAP	Hazardous Air Pollutant	SIC	Standard Industrial Classification
HON	Hazardous Organic NESHAP	SIP	State Implementation Plan
HP	Horsepower	SO₂	Sulfur Dioxide
lbs/hr	Pounds per Hour	TAP	Toxic Air Pollutant
LDAR	Leak Detection and Repair	TPY	Tons per Year
M	Thousand	TRS	Total Reduced Sulfur
MACT	Maximum Achievable Control Technology	TSP	Total Suspended Particulate
MDHI	Maximum Design Heat Input	USEPA	United States Environmental Protection Agency
MM	Million	UTM	Universal Transverse Mercator
MMBtu/hr or mmbtu/hr	Million British Thermal Units per Hour	VEE	Visual Emissions Evaluation
MMCF/hr or mmcf/hr	Million Cubic Feet per Hour	VOC	Volatile Organic Compounds
NA	Not Applicable	VOL	Volatile Organic Liquids
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		

2.3. Authority

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

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

2.4. Term and Renewal

- 2.4.1. This permit supercedes and replaces previously issued Permit R13-1156H. This permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any applicable legislative rule.

2.5. Duty to Comply

- 2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-1156 through R13-1156I and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;
[45CSR§§13-5.11 and 13-10.3]
- 2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;
- 2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;
- 2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses and/or approvals from other agencies; i.e., local, state and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

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

2.7. Duty to Supplement and Correct Information

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

2.8. Administrative Update

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.

[45CSR§13-4]

2.9. Permit Modification

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.

[45CSR§13-5.4.]

2.10. Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.

[45CSR§13-5.1]

2.11. Inspection and Entry

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

- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;
- d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

- 2.12.1. An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission

limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

- 2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are met.
- 2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and,
 - d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emission, and corrective actions taken.
- 2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- 2.12.5. The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

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

2.14. Suspension of Activities

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

2.15. Property Rights

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

2.16. Severability

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

2.17. Transferability

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

2.18. Notification Requirements

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

2.19. Credible Evidence

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

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1 State-Enforceable only.]
- 3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]
- 3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45 C.S.R. 11.
[45CSR§11-5.2.]

3.2. Monitoring Requirements

- 3.2.1. **Emission Limit Averaging Time.** Unless otherwise specified, compliance with all annual limits shall be based on a rolling twelve month total. A rolling twelve month total shall be the sum of the measured parameter of the previous twelve calendar months. Compliance with all hourly emission limits shall be based on the applicable NAAQS averaging times or, where applicable, as given in any approved performance test method.

3.3. Testing Requirements

- 3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:
- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.
 - b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.
 - c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.
 - d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the 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; and,
3. A statement of compliance or noncompliance with each permit or rule condition.

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

3.4. Recordkeeping Requirements

- 3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.
- 3.4.2. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.
[45CSR§4. *State-Enforceable only.*]

3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.
- 3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
- 3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

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

If to the USEPA:

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

3.5.4. Operating Fee.

3.5.4.1. In accordance with 45CSR22 – Air Quality Management Fee Program, the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first obtaining and having in current effect a Certificate to Operate (CTO). Such Certificate to Operate (CTO) shall be renewed annually, shall be maintained on the premises for which the certificate has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

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

4.0. Source-Specific Requirements

4.1. Limitations and Standards

4.1.1. The presses authorized to operate at the facility are limited to those specified under Table 1.0 of this permit. Each press shall be:

- a. Designed, maintained, and operated so as to minimize any fugitive escape of pollutants; and
- b. Shall not exceed the specified design parameters.

4.1.2. Maximum hourly and annual emissions from the Web Offset Heatset Lithographic Presses shall not exceed the limits in the following table:

Table 4.1.2.: Web Offset Heatset Lithographic Press Emission Limits⁽¹⁾

Source ID	CO		NO _x		PM ⁽²⁾		SO ₂		VOCs ⁽³⁾		HAPs ⁽⁴⁾
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	TPY
4S	0.33	1.45	0.61	2.68	0.03	0.13	0.04	0.18	7.88	25.62	0.86
6S	0.22	0.95	0.29	1.27	0.02	0.09	0.02	0.09	3.57	11.60	0.32
7S	0.10	0.42	0.18	0.80	0.01	0.04	0.01	0.06	3.61	11.73	0.29

- (1) Combustion emission limits based on the worst-case of natural gas and propane emissions using unit MDHIs given under Table 1.0 and 8,760 hours of operation per year. Therefore, no annual hours of operation or fuel usage limits are required.
- (2) All particulate matter emissions are assumed to be PM_{2.5}.
- (3) VOC Limits include Fountain Solution usage but do not include Blanket Wash operations or nominal emissions from natural gas combustion.
- (4) HAPS include all compounds identified under Section 112(b) of the Clean Air Act.

4.1.3. Maximum hourly and annual VOC/HAP emissions for each identified source shall not exceed the limits given in the following table:

Table 4.1.3.: Other Sources VOC/HAPs Emission Limits

Source	VOCs		HAPs
	lb/hour	tons/year	tons/year
Coldset Presses 21S through 23S ⁽¹⁾⁽²⁾	1.24	3.81	n/a
Coldset Presses 25S ⁽¹⁾⁽²⁾	0.72	0.53	n/a
Inkjet Presses ⁽¹⁾	2.11	7.38	n/a
Blanket Wash Usage ⁽³⁾	5.46	13.87	n/a
Roller Cleaner Usage	0.94	3.04	0.89

- (1) Emission limits are given on a per-press basis and include Fountain Solution usage but do not include emissions associated with Blanket Wash usage.
- (2) Emissions were calculated using a solvent retention rate of 95% as given in EPA document EPA-453/R-06-002 "Control Techniques guidelines for Offset Lithographic Printing and Letterpress Printing."
- (3) Emissions were calculated using a rag solvent retention rate of 40%.

4.1.4. Aggregate usage of Blanket Wash and Roller Cleaner shall be in accordance with the following limits:

Table 4.1.4.: Material Usage/Property Limits

Source	Maximum Usage (pounds/year)	Maximum VOC Content (%)	Maximum HAP Content (%)
Blanket Wash	46,229	100	n/a
Roller Cleaner	6,070	100	29.2

- 4.1.5. Maximum annual usage amounts and the maximum VOC/HAP contents for the specified materials shall not exceed those values given in the following table for each individual press:

Table 4.1.5.: Ink/Fountain Solution Usage and VOC Limits

Press	Ink		Fountain Solution	
	Usage (lbs/year)	Maximum VOC (%)	Usage (lbs/year)	Maximum VOC/HAP (%)
<i>Heatset Presses</i>				
4S	173,268	45	32,670	61 - VOC 9 - HAP
6S				
7S				
<i>Coldset Presses</i>				
21S	555,000	35	189,000	7.5 - VOC 0 - HAP
22S				
23S				
25S				
<i>Inkjet Presses</i>				
24S	122,942	12	n/a	n/a

- 4.1.7. No Blanket Wash or other similar cleanup materials shall be used with a VOC composite vapor pressure of the cleaning material that exceeds 10mm Hg at 20°C and all used rags shall be kept in closed containers.
- 4.1.8. No VOC-containing adhesives shall be used for the purposes of printing or publishing at the facility.
- 4.1.9. No use of any material containing a Toxic Air Pollutant identified under 45CSR13, Table 45-13A shall be used without prior approval of the Director.

4.2. Monitoring Requirements

- 4.2.1. In order to determine compliance with requirements 4.1.2., 4.1.3., and 4.1.5., the permittee shall:
- a. Monitor and record the rolling twelve month total ink and fountain solution used in the Heatset, Coldset, and Inkjet Presses (in pounds).
 - b. Monitor and record the rolling twelve month total of blanket wash and roller cleaner used in all presses (in pounds).

- c. Maintain one of the following on-site for each ink, fountain solution, blanket wash, and roller cleaner used in each press:

- (1) A Certified Product Data Sheet provided by the material supplier;
- (2) Results of a test to determine VOC content using 40 CFR 60, Appendix A, Method 24; or
- (3) Results of a test to determine VOC content using another EPA approved test method.

4.3. Testing Requirements

- 4.3.1. At such reasonable time(s) as the Secretary may designate, in accordance with the provisions of 3.3 of this permit, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations established in the permit application and/or applicable regulations.

4.4. Recordkeeping Requirements

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

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

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

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

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

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

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

4.5. Reporting Requirements

- 4.5.1. The permittee shall submit the following information to the DAQ according to the specified schedules:
 - a. The permittee shall submit reports of all required monitoring on or before September 15 for the reporting period January 1 to June 30 and 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.
 - b. The permittee shall submit to the Director on or before March 15, a certification of compliance with all requirements of this permit for the previous calendar year ending on December 31. If, during the previous annual period, the permittee had been out of compliance with any part of this permit, it shall be noted along with the following information: 1) the source/equipment/process that was non-compliant and the specific requirement of this permit that was not met, 2) the date the permitted discovered that the source/ equipment/process was out of compliance, 3) the date the Director was notified, 4) the corrective measures to get the source/equipment/process back into compliance, and 5) the date the source began to operate in compliance. The submission of any non-compliance report shall give no enforcement action immunity to episodes of non-compliance contained therein.

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.

Signature¹

(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.

Dominion Transmission Inc.
Kennedy Station
041-00011

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Permit to Modify



R13-2837C

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§22-5-1 et seq.) and 45 C.S.R. 13 – Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the above-referenced facility is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:

Dominion Transmission Inc.
Kennedy Station
041-00011



John A. Benedict
Director

Issued: March 18, 2013

This permit will supercede and replace Permit R13-2837B.

Facility Location: 1334 Valley Chapel Road
Valley Chapel, Lewis County, West Virginia
Mailing Address: 445 West Main Street
Clarksburg, WV 26301
Facility Description: Natural Gas Compression Station
NAICS Codes: 486210
UTM Coordinates: 543.6 km Easting • 4,328.7 km Northing • Zone 17
Permit Type: Modification
Description of Change: Installation of oxidation catalyst on the exhaust of compressor engine #3 (EN3) and correct the model number of the engine listed in the permit.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

The source is not subject to 45CSR30.

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1.0. Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
EN03		Caterpillar G3516 Compressor Engine	2004	1,150 HP	catalytic converter
EN04	CC01	Caterpillar G3516B Compressor Engine	2012	1,183 bhp	catalytic converter
GE01	CC02	Cummins Auxiliary Generator WSG-1068	2012	131.6 bhp	three-way catalyst
RBR02	RBR02	TEG Dehydrator Reboiler	2011	1.104 MMBTU/hr	None
DEHY02	F2	Regenerator Still Vent	2011	23 MMSCF/day	Flare F2

1.1 Control Device

Control Device ID	Control Device	Emission Unit	Pollutant	Control Efficiency
F2	F2	Flare (4 MMBTU/hr)	Volatile Organic Compounds	95%
CC01	Miratech Oxidation Catalyst	Caterpillar G3516B (EN04)	Carbon Monoxide	22%
CC03	DLC American Oxidation Catalyst	Caterpillar G3516 (EN03)	Carbon Monoxide	To 47 ppm
CC02	Three-Way Catalyst	Cummins Auxiliary Generator (GE01)	Volatile Organic Compounds	99%
			Nitrogen Oxides	91%
			Carbon Monoxide	95%

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.

2.2. Acronyms

CAAA	Clean Air Act Amendments	NO_x	Nitrogen Oxides
CBI	Confidential Business Information	NSPS	New Source Performance Standards
CEM	Continuous Emission Monitor	PM	Particulate Matter
CES	Certified Emission Statement	PM_{2.5}	Particulate Matter less than 2.5 µm in diameter
C.F.R. or CFR	Code of Federal Regulations	PM₁₀	Particulate Matter less than 10µm in diameter
CO	Carbon Monoxide	Ppb	Pounds per Batch
C.S.R. or CSR	Codes of State Rules	Pph	Pounds per Hour
DAQ	Division of Air Quality	Ppm	Parts per Million
DEP	Department of Environmental Protection	Ppm_v or ppmv	Parts per Million by Volume
dscm	Dry Standard Cubic Meter	PSD	Prevention of Significant Deterioration
FOIA	Freedom of Information Act	Psi	Pounds per Square Inch
HAP	Hazardous Air Pollutant	SIC	Standard Industrial Classification
HON	Hazardous Organic NESHAP	SIP	State Implementation Plan
HP	Horsepower	SO₂	Sulfur Dioxide
lbs/hr	Pounds per Hour	TAP	Toxic Air Pollutant
LDAR	Leak Detection and Repair	TPY	Tons per Year
M	Thousand	TRS	Total Reduced Sulfur
MACT	Maximum Achievable Control Technology	TSP	Total Suspended Particulate
MDHI	Maximum Design Heat Input	USEPA	United States Environmental Protection Agency
MM	Million	UTM	Universal Transverse Mercator
MMBtu/hr or mmbtu/hr	Million British Thermal Units per Hour	VEE	Visual Emissions Evaluation
MMCF/hr or mmcf/hr	Million Cubic Feet per Hour	VOC	Volatile Organic Compounds
NA	Not Applicable	VOL	Volatile Organic Liquids
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		

2.3. Authority

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

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

2.4. Term and Renewal

- 2.4.1. This permit supersedes and replaces previously issued Permit R13-2837B. This Permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any other applicable legislative rule;

2.5. Duty to Comply

- 2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Application R13-2837, R13-2837A, R13-2837B, R13-2837C, and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;
[45CSR§§13-5.11 and 10.3.]
- 2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;
- 2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;
- 2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses, and/or approvals from other agencies; i.e., local, state, and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

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

2.7. Duty to Supplement and Correct Information

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

2.8. Administrative Update

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.

[45CSR§13-4.]

2.9. Permit Modification

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.

[45CSR§13-5.4.]

2.10 Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.

[45CSR§13-5.1]

2.11. Inspection and Entry

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

- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

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

- 2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are met.
- 2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
 - d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- 2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- 2.12.5. The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

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

2.14. Suspension of Activities

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

2.15. Property Rights

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

2.16. Severability

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

2.17. Transferability

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

2.18. Notification Requirements

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

2.19. Credible Evidence

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

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management, and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1] [State Enforceable Only]
- 3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]
- 3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11.
[45CSR§11-5.2.]

3.2. Monitoring Requirements

[Reserved]

3.3. Testing Requirements

- 3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary

exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.
- b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.
- c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.
- d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the 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; and,
 3. A statement of compliance or noncompliance with each permit or rule condition.

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

3.4. Recordkeeping Requirements

- 3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports, and notifications) required by this permit recorded

in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

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

3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- 3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
- 3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:
Director
WVDEP
Division of Air Quality
601 57th Street
Charleston, WV 25304-2345

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

3.5.4. Operating Fee

- 3.5.4.1. In accordance with 45CSR22 – Air Quality Management Fee Program, the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first obtaining and having in current effect a Certificate to Operate (CTO). Such Certificate to Operate (CTO) shall be renewed annually, shall be maintained on the premises for which the certificate has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

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

4.0. Source-Specific Requirements

4.1. Limitations and Standards

- 4.1.1. The maximum wet natural gas throughput to the dehydration unit shall not exceed 23.0 mmscf/day. Compliance with this limit shall be determined using a twelve month rolling total. A twelve month rolling total shall mean the sum of the monthly throughput at any given time during the previous twelve consecutive calendar months.
- 4.1.2. For Flare F2 the applicant shall not cause, suffer, allow, or permit the aggregate emissions to exceed the potential to emit (pounds per hour and tons per year) recorded below:

Pollutant	Hourly Emissions (lb/hr)	Annual Emissions (tons/yr)
Nitrogen Oxides	0.22	0.95
Carbon Monoxide	0.02	0.09
Volatile Organic Compounds	6.90	30.22
Benzene	0.11	0.49
Ethylbenzene	0.07	0.37
Hexane	0.06	0.28
Toluene	0.21	0.90
Xylene	0.45	1.98
Total HAPs	0.91	3.98

Compliance with this limit shall be determined using a twelve month rolling total. A twelve month rolling total shall mean the sum of the monthly throughput at any given time during the previous twelve consecutive calendar months.

- 4.1.3. For purposes of determining potential HAP emissions at transmission and storage facilities to comply with the requirements in Section 4.1.2., the methods specified in 40 CFR 63, Subpart HHH shall be used. For purposes of determining potential HAP emissions at production-related facilities, the methods specified in 40 CFR 63, Subpart HH (i.e. excluding compressor engines from HAP PTE) shall be used.
- 4.1.4. Flare F2 shall be designed and operated in accordance with the following:
- Flares shall be steam-assisted, air-assisted, or non-assisted.
 - Flares shall be designed for and operated with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.
 - Flares shall be operated, with a flame present at all times whenever emissions may be vented to them, except during SSM (Startup, Shutdown, Malfunctions) events.
 - A flare shall be used only where the net heating value of the gas being combusted is 11.2 MJ/scm (300 Btu/scf) or greater if the flare is steam-assisted or air-assisted; or where the net heating value of the gas being combusted is 7.45 MJ/scm (200 Btu/scf) or greater if the flares is non-assisted. The net heating value of the gas being combusted in a flare shall be calculated using the following equation:

$$H_T = K \sum_{i=1}^n C_i H_i$$

Where:

H_T =Net heating value of the sample, MJ/scm; where the net enthalpy per mole of off gas is based on combustion at 25 °C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20 °C.

K=Constant=

$$1.740 \times 10^{-7} \left(\frac{1}{ppmv} \right) \left(\frac{\text{g-mole}}{\text{scm}} \right) \left(\frac{\text{MJ}}{\text{kcal}} \right)$$

where the standard temperature for (g-mole/scm) is 20 °C.

C_i =Concentration of sample component i in ppmv on a wet basis, which may be measured for organics by Test Method 18, but is not required to be measured using Method 18 (unless designated by the Director).

H_i =Net heat of combustion of sample component i, kcal/g-mole at 25 °C and 760 mm Hg. The heats of combustion may be determined using ASTM D2382–76 or 88 or D4809–95 if published values are not available or cannot be calculated.

n=Number of sample components.

- e. Steam-assisted and nonassisted flares shall be designed for and operated with an exit velocity less than 18.3 m/sec (60 ft/sec), except as provided by 5.1.4.f. of this section. The actual exit velocity of a flare shall be determined by dividing by the volumetric flow rate of gas being combusted (in units of emission standard temperature and pressure), by the unobstructed (free) cross-sectional area of the flare tip, which may be determined by Test Method 2, 2A, 2C, or 2D in appendix A to 40 CFR part 60, as appropriate, but is not required to be determined using these Methods (unless designated by the Director).
- f. Steam-assisted and nonassisted flares designed for and operated with an exit velocity, as determined by the method specified in 5.1.4.e. of this section, less than the velocity V_{max} , as determined by the calculation specified in this paragraph, but less than 122 m/sec (400 ft/sec) are allowed. The maximum permitted velocity, V_{max} , for flares complying with this paragraph shall be determined by the following equation:

$$\text{Log}_{10}(V_{max})=(H_T+28.8)/31.7$$

Where:

V_{max} =Maximum permitted velocity, m/sec.

28.8=Constant.

31.7=Constant.

H_T =The net heating value as determined in 5.1.4.d of this section

- 4.1.5 The applicant is not required to conduct a flare compliance assessment for concentration of sample (i.e. Method 18) and tip velocity (i.e. Method 2) until such time as the Director requests a flare compliance assessment to be conducted in accordance with section 4.3.2., but the applicant is required to conduct a flare design evaluation in accordance with section 4.1.4. Alternatively, the applicant may elect to demonstrate compliance with the flare design criteria requirements of section 4.1.4. by complying with the compliance assessment testing requirements of section 4.3.2.
- 4.1.6. Maximum emissions from engine EN04 shall not exceed the following:

Pollutant	Maximum Hourly Emissions (lbs/hr)	Maximum Annual Emissions (TPY)
NO _x	2.61	11.42
CO	5.22	22.85
VOC	0.92	4.00
Formaldehyde	0.97	4.23

4.1.7. Maximum emissions from engine EN03 shall not exceed the following:

Pollutant	Maximum Hourly Emissions (lbs/hr)	Maximum Annual Emissions (TPY)
NO _x	3.8	16.6

4.1.8. To demonstrate compliance with section 4.1.6., the permittee will have a fuel quantity limit. The quantity of pipeline quality natural gas that shall be combusted shall not exceed 10,352 cubic feet per hour or 91×10^6 cubic feet per year. Compliance with this limit shall be determined using a twelve month rolling total. A twelve month rolling total shall mean the sum of the monthly throughput at any given time during the previous twelve consecutive calendar months.

4.1.9. By no later than October 19, 2013, the permittee shall comply with the following emission and operating limitation for compressor engine EN03:

a. An oxidation catalyst shall be installed on the engine in a manner that limits the concentration of carbon monoxide to no greater than 47 ppmvd at 15% oxygen.
[Item 8 of Table 2d to Subpart ZZZZ of Part 63, 40 CFR§63.6603(a)]

b. The engine shall be operated in a manner that maintains the temperature of the engine exhaust so the catalyst inlet temperature is greater than or equal to 450°F and less than or equal to 1350°F.
[Item 1 of Table 2b to Subpart ZZZZ of Part 63, 40 CFR§63.6603(a)]

c. The catalyst shall be maintained in such a manner that the pressure drop across the catalyst does not change by more than two (2) inches of water column at 100% load with a tolerance of $\pm 10\%$, from the pressure drop measured during the initial performance test.
[Item 1 of Table 2b to Subpart ZZZZ of Part 63, 40 CFR§63.6603(a)]

4.1.10. The maximum hours of operation of Emergency Generator GE01 shall not exceed 500 hours per year. Compliance with this limit shall be determined using a twelve month rolling total. A twelve month rolling total shall mean the sum of the monthly throughput at any given time during the previous twelve consecutive calendar months.

4.1.11. Requirements for Use of Catalytic Reduction Devices CC01 and CC02.

a. Catalyst CC01 and Catalyst CC02 shall be fitted with a closed-loop automatic feedback controller. This closed-loop automatic feedback controller shall ensure emissions of regulated pollutants do not exceed the potential to emit for any engine/oxidation catalyst combination under varying loading.

b. The closed-loop automatic feedback controller shall provide a warning or indication to the operator and/or be interlocked with engine ignition system to cease engine operation in case of masking, poisoning, or over rich air/fuel ratio situations which results in performance degradation or failure of the catalyst element.

c. No person shall knowingly:

1. Remove or render inoperative catalyst CC01 or catalyst CC02.
2. Install any part or component with the principal effect of the part or component is to bypass, defeat, or render inoperative Catalyst CC01 or Catalyst CC02.
3. Cause or allow engine exhaust to bypass Catalyst CC01 or Catalyst CC02.

- 4.1.12. **Flare Opacity Limit** – No Person shall cause, suffer, allow or permit emission of smoke into the atmosphere from any incinerator F2 which is twenty (20%) percent opacity or greater.
[45CSR§6-4.3]
- 4.1.13. No person shall cause or allow the emission of particles of unburned or partially burned refuse or ash from any incinerator F2 which are large enough to be individually distinguished in the open air.
[45CSR§6-4.5]
- 4.1.14. Incinerator F2, including all associated equipment and grounds, shall be designed, operated and maintained so as to prevent the emission of objectionable odors.
[45CSR§6-4.6]
- 4.1.15. **Reboiler Opacity Limit.** The permittee shall not meet or exceed 10% opacity based on a six minute block average for Reboiler RBR02.
[45CSR§2-3.1.]
- 4.1.16. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11.]

4.2. Monitoring Requirements

- 4.2.1. In order to demonstrate compliance with the requirements of Section 4.1.4.c, the applicant shall monitor the presence or absence of a flare pilot flame using a thermocouple or any other equivalent device, except during SSM events.
- 4.2.2. To demonstrate compliance with 4.1.1. the permittee shall monitor the throughput of wet natural gas fed to the dehydration system on a monthly basis for each glycol dehydration unit listed in the issued General Permit Registration.
- 4.2.3. Catalytic Oxidizer Control Devices
- a. The permittee shall regularly inspect, properly maintain and/or replace catalytic reduction devices and auxiliary air pollution control devices to ensure functional and effective operation of the engine's physical and operational design. The permittee shall ensure proper operation, maintenance and performance of catalytic reduction devices and auxiliary air pollution control devices by:
1. Maintaining proper operation of the automatic air/fuel ratio controller or automatic feedback controller.
 2. Following operating and maintenance recommendations of the catalyst element manufacturer.
- 4.2.4. The permittee shall install, operate, and maintain a Continuous Parameter Monitoring System (CPMS) monitoring the pressure drop and catalyst inlet temperature for the oxidation catalyst on engine EN03. Such CPMS consist of the following:

- a. The permittee shall develop a site-specific monitoring plant that address the monitoring system, design, data collection, and quality assurance and quality control outlined in the following:
 - i. The performance criteria and design specification for the monitoring system equipment, including the sample interface, detector signal analyzer, and data acquisition and calculations;
 - ii. Sampling interface location such that the monitoring system will provide representative measurements;
 - iii. Equipment performance evaluations, system accuracy audits or other audit procedures;
 - iv. Ongoing operation and maintenance procedures in accordance with provisions in 40 CFR §§63.8(c), e(1); and
 - v. Ongoing reporting and recordkeeping in accordance with 40 CFR §§63.10(c), (e)(1), and (e)(2).
- b. Install, operate, and maintain each CMPS in continuous operation according the procedures in the site-specific monitoring plan.
- c. The CPMS must collect data at least once every 15 minutes (see 40 CFR §63.6635).
- d. For a CPMS for measuring temperature range, the temperature sensor must have a minimum tolerance of 5⁰F or one percent of the measurement rate, whichever is larger
- e. The permittee shall conduct a the CPMS equipment performance evaluation, system accuracy audits or other audit procedures specific in the site-specific monitoring plan at least annually.
- f. The permittee must conduct a performance evaluation of each CPMS in accordance with the site-specific monitoring plan.

[40 CFR §63.6625(b), and (b)(1) through (b)(6)]

The permittee shall monitor continuously at all time that engine EN03 is operating expect for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities. 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. The permittee may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report operating levels. The permittee must use all the valid data collected during all other periods.

[40 CFR §63.6635]

Each CPMS shall be installed and performance evaluation completed prior to conducting the initial testing as required in Condition 4.3.4. of this permit. Records of the collected data, audits, evaluations, and monitoring plan shall be maintained in accordance with Condition 3.4.1. of the permit.

4.3. Testing Requirements

- 4.3.1. In order to demonstrate compliance with the flare opacity requirements of 4.1.4.b the applicant shall conduct a Method 22 opacity test for at least two hours. This test shall demonstrate no visible emissions are observed for more than a total of 5 minutes during any 2 consecutive hour

period using 40CFR60 Appendix A Method 22. The applicant shall conduct this test within one (1) year of permit issuance or initial startup whichever is later. The visible emission checks shall determine the presence or absence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40 CFR part 60, appendix A, Method 22 or from the lecture portion of 40 CFR part 60, appendix A, Method 9 certification course.

- 4.3.2. The Director may require the applicant to conduct a flare compliance assessment to demonstrate compliance with section 4.1.4. This compliance assessment testing shall be conducted in accordance with Test Method 18 for organics and Test Method 2, 2A, 2C, or 2D in appendix A to 40 CFR part 60, as appropriate, or other equivalent testing approved in writing by the Director. Also, Test Method 18 may require the applicant to conduct Test Method 4 in conjunction with Test Method 18.
- 4.3.3. In order to demonstrate compliance with 4.1.3., upon request of the Director, the applicant shall demonstrate compliance with the HAP emissions thresholds using GLYCalc Version 3.0 or higher. The applicant shall sample in accordance with GPA Method 2166 and analyze the samples utilizing the extended GPA Method 2286 as specified in the GRI-GLYCalc V4 Technical Reference User Manual and Handbook.
- 4.3.4. By no later than April 17, 2014, the permittee shall conduct an initial compliance demonstration to comply with the CO limitation of Condition 4.1.9.a. for engine EN03. Such demonstration be in accordance of Method 1, or 1A for sampling port location and number of traverse points; Method 3, 3A (Appendix A of Part 60), 320 (Appendix A of Part 63) or ASTM D 6348-03 to measure the moisture content of the exhaust at the sampling port location; Method 10 (Appendix A of Part 60), Method 320 (Appendix A of Part 63), ASTM Method D6522-00 (2005), or ASTM D6348-03 for the measurement of CO in the exhaust of the RICE; and Condition . This demonstration shall consist of three 1-hour longer runs with compliance determine on the average CO concentration on a dry basis and corrected to 15 % O₂ of these three runs. Catalyst pressure drop and catalyst inlet temperature shall be recorded during each of these test runs. During such testing, the permittee shall establish the catalyst pressure drop operating limitation.
[40 CFR §§63.6612(a); 6620, 6630; Item 3 of Table 4 to Subpart ZZZZ of Part 63, Item 2 of Table 5 to Subpart ZZZZ of Part 63]
- 4.3.5. The permittee shall conduct subsequent performance test every 8,760 hours of operation of engine EN03 or every three years from the previous test, whichever comes first for demonstration compliance with the CO limitation in 4.1.9.a. for engine EN03. The timing of subsequent testing shall commence once the initial demonstration in Condition 4.3.4. had been conduct. Such test(s) is to be conducted in accordance with the methods and procedures outline in Condition 4.3.4.
[40 CFR §63.6615, Table 3 to Subpart ZZZZ of Part 63]

4.4. Recordkeeping Requirements

- 4.4.1. **Record of Monitoring.** The permittee shall keep records of monitoring information that include the following:
 - a. The date, place as defined in this permit, and time of sampling or measurements;
 - b. The date(s) analyses were performed;
 - c. The company or entity that performed the analyses;

- d. The analytical techniques or methods used;
 - e. The results of the analyses; and
 - f. The operating conditions existing at the time of sampling or measurement.
- 4.4.2. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
- 4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
- a. The equipment involved.
 - b. Steps taken to minimize emissions during the event.
 - c. The duration of the event.
 - d. The estimated increase in emissions during the event.
- For each such case associated with an equipment malfunction, the additional information shall also be recorded:
- e. The cause of the malfunction.
 - f. Steps taken to correct the malfunction.
 - g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
- 4.4.4. For the purpose of demonstrating compliance with section 4.1.4.c and 4.2.1, the applicant shall maintain records of the times and duration of all periods which the pilot flame was absent.
- 4.4.5. For the purpose of demonstrating compliance with section 4.1.4 and 4.3.2, the applicant shall maintain a record of the flare design evaluation. The flare design evaluation shall include, net heat value calculations, exit (tip) velocity calculations, and all supporting concentration calculations and other related information requested by the Director.
- 4.4.6. For the purpose of demonstrating compliance with the requirements set forth in sections 4.1.4 and 4.3.3., the applicant shall maintain records of testing conducted in accordance with 4.3.3.
- 4.4.7. The permittee shall document and maintain the corresponding records specified by the on-going monitoring requirements of 4.2 and testing requirements of 4.3.
- 4.4.8. For the purpose of demonstrating compliance with section 4.1.4.b, the applicant shall maintain records of the visible emission opacity tests conducted per Section 4.3.1.
- 4.4.9. For the purpose of demonstrating compliance with section 4.1.3., the applicant shall maintain a record of all potential to emit (PTE) HAP calculations for the entire affected facility. These records shall include the natural gas compressor engines and ancillary equipment.

- 4.4.10. The permittee shall maintain a record of the wet natural gas throughput through the dehydration system to demonstrate compliance with the natural gas throughput limit set forth in 4.1.1.
- 4.4.11. To demonstrate compliance with section 4.1.6. and 4.1.9., the permittee shall maintain monthly and annual records of the quantity and type of fuel consumed and hours of operation in engine EN04 and emergency generator GE01. Compliance with the Maximum Yearly Operation Limitation shall be determined using a twelve month rolling total. A twelve month rolling total shall mean the sum of the hours of operation at any given time during the previous twelve consecutive calendar months.
- 4.4.12. All records required under Section 4.4. shall be maintained on site or in a readily accessible off-site location maintained by the applicant for a period of five (5) years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.

4.5. Reporting Requirements

- 4.5.1. If applicant is required by the Director to demonstrate compliance with section 4.3.2., then the applicant shall submit a testing protocol at least thirty (30) days prior to testing and shall submit a notification of the testing date at least fifteen (15) days prior to testing. The applicant shall submit the testing results within sixty (60) days of testing and provide all supporting calculations and testing data.
- 4.5.2. Any deviation(s) from the allowable visible emission requirement for any emission source discovered during observations using 40CFR Part 60, Appendix A, Method 9 or 22 shall be reported in writing to the Director of the Division of Air Quality as soon as practicable, but in any case within ten (10) calendar days of the occurrence and shall include at least the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.
- 4.5.3. Any deviation(s) from the flare design and operation criteria in Section 4.1.4 shall be reported in writing to the Director of the Division of Air Quality as soon as practicable, but in any case within ten (10) calendar days of discovery of such deviation.
- 4.5.5. The permittee shall submit to the Director before the close of business on the 60th day following the completion of the initial performance demonstration as required in Condition 4.3.4. according to 40 CFR 63.10(d)(2) a "Notification of Compliance Status" in accordance with 40 CFR §63.(h)(2)(ii). Such notice shall include performance test result of the initial demonstration.
[40 CFR §63.6645(h)(2)]
- 4.5.6. The permittee shall submit semi-annual compliance report with regards to the emission and operating limitations in Condition 4.1.9. for engine EN03. The first compliance report covering the period from October 19, 2013 to December 31, 2013 must be postmarked or delivered by no later than January 31, 2014. Subsequent Compliance reports must cover the semiannual reporting period from January 1 through June 30 and July 1 through December 31. These subsequent reports must be postmarked or delivered by no later than July 31 or January 3, whichever date is the first date following the end of the semiannual reporting period. Such reports shall contain the following information:
 - a. The permittee name and address.

- b. Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
- c. Date of report and beginning and ending dates of the reporting period.
- d. If any malfunction occurred, the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken during the malfunction of an affected source to minimize emission in accordance with 40 CFR §63.6605(b), including actions taken to correct a malfunction.
- e. If no deviations of any emission or operating limitation that applies to engine EN03 occurred, a statement that there were no deviations from the emission or operating limitation during the reporting period.
- f. If there were no periods during which the CPMS was "out-of-control", as specified in 40 CFR §63.8(c)(7), a statement that there were no periods during which the CPMS was out-of-control during the reporting period.
- g. For each deviation from an emission or operating limitation that occurs for engine EN03, the permittee shall include the following information for each deviation:
 - i. The date and time that each malfunction started and stopped.
 - ii. The date, time, and duration that each CPMS was inoperative, except for zero (low-level) and high-level checks.
 - iii. The date, time, and duration that each CPMS was out-of-control, including the information in 40 CFR §63.8(c)(8).
 - iv. The date, time, and duration that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period.
 - v. A summary of the total duration of deviation during the reporting period, and total duration as a percent of the total source operating time during that reporting period.
 - vi. A breakdown of the total duration of the deviation during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.
 - vii. A summary of the total duration of CPMS downtime during the reporting period, and the total duration of CPMS downtime as a percent of the total operating time of engine EN03 at which the CPMS downtime occurred during that reporting period.
 - viii. An identification of each parameter and pollutant that was monitored at the engine.
 - ix. A brief description of the engine.
 - x. A brief description of the CPMS.
 - xi. The date of the latest CPMS certification or audit.
 - xii. A description of any changes in the CPMS, processes, or controls since the last reporting period.

[40 CFR §63.6650]

5.0. Source-Specific Requirements (40CFR60 Subpart JJJJ Requirements)

5.1. Limitations and Standards

- 5.1.1. Engine EN04 shall meet the following emission standards in g/bhp-hr: NO_x, 1.0; CO, 2.0; and VOC, 0.7.
[40CFR§60.4233(e)]
- 5.1.2. Engine GE01 shall meet the following emission standards in g/bhp-hr: NO_x, 2.0; CO, 4.0; and VOC 1.0.
[40CFR§60.4233(e)]
- 5.1.3. Engines EN04 and GE01 shall be operated and maintained to achieve the emission standards over the entire life of the engine.
[40CFR§60.4234]

5.2. Compliance Requirements

- 5.2.1. For Engine EN04 the permittee shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee must conduct an initial performance test and conduct subsequent performance testing every 8,760 hours of operation or 3 years, whichever comes first, thereafter to demonstrate compliance.
[40CFR§60.4243(b)(2)(ii)]
- 5.2.2. It is expected that the air-to-fuel ratio (AFR) controllers will be used with the operation of Catalyst CC02. The AFR controller for Catalyst CC02 must be maintained and operated in a manner to ensure proper operation of the engine and control device to minimize emissions at all times.
[40CFR§60.4243(g)]
- 5.2.3. The permittee must keep records of conducted maintenance to demonstrate compliance of Engine GE01.
[40CFR§60.4243(a)(1)]

5.3. Testing Requirements

To demonstrate compliance with section 5.1.1., the permittee shall conduct the following testing.

- 5.3.1. The permittee shall conduct performance tests following the procedures in paragraphs (a) through (g) of this section.
 - a. Each performance test shall be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 to this subpart. [40CFR§60.4244(a)]
 - b. The permittee may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If the stationary SI internal combustion engine is non-operational, it is not necessary to start up the engine solely to conduct a performance test; however, the performance test must be conducted immediately upon startup of the engine.
[40CFR§60.4244(b)]

- c. The permittee shall conduct three separate test runs for each performance test required in this section, as specified in §60.8(f). Each test run shall be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour. [40CFR§60.4244(c)]
- d. To determine compliance with the NO_x mass per unit output emission limitation, convert the concentration of NO_x in the engine exhaust using Equation 1 of this section:

$$ER = \frac{C_d \times 1.912 \times 10^{-3} \times Q \times T}{HP - hr} \quad (\text{Eq. 1})$$

Where:

ER = Emission rate of NO_x in g/HP-hr.

C_d = Measured NO_x concentration in parts per million by volume (ppmv).

1.912×10⁻³ = Conversion constant for ppm NO_x to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meter per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, horsepower-hour (HP-hr).

[40CFR§60.4244(d)]

- e. To determine compliance with the CO mass per unit output emission limitation, convert the concentration of CO in the engine exhaust using Equation 2 of this section:

$$ER = \frac{C_d \times 1.164 \times 10^{-3} \times Q \times T}{HP - hr} \quad (\text{Eq. 2})$$

Where:

ER = Emission rate of CO in g/HP-hr.

C_d = Measured CO concentration in ppmv.

1.164×10⁻³ = Conversion constant for ppm CO to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

[40CFR§60.4244(e)]

- f. For purposes of this subpart, when calculating emissions of VOC, emissions of formaldehyde should not be included. To determine compliance with the VOC mass per unit output emission limitation, convert the concentration of VOC in the engine exhaust using Equation 3 of this section:

$$ER = \frac{C_d \times 1.833 \times 10^{-3} \times Q \times T}{HP - hr} \quad (\text{Eq. 3})$$

Where:

ER = Emission rate of VOC in g/HP-hr.

C_d = VOC concentration measured as propane in ppmv.

1.833×10^{-3} = Conversion constant for ppm VOC measured as propane, to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

[40CFR§60.4244(f)]

- g. If the owner/operator chooses to measure VOC emissions using Method 18 of 40 CFR part 60, appendix A, or Method 320 of 40 CFR part 63, appendix A, then it has the option of correcting the measured VOC emissions to account for the potential differences in measured values between these methods and Method 25A. The results from Method 18 and Method 320 can be corrected for response factor differences using Equations 4 and 5 of this section. The corrected VOC concentration can then be placed on a propane basis using Equation 6 of this section.

$$RF_i = \frac{C_{Mi}}{C_{Ai}} \quad (\text{Eq. 4})$$

Where:

RF_i = Response factor of compound i when measured with EPA Method 25A.

C_{Mi} = Measured concentration of compound i in ppmv as carbon.

C_{Ai} = True concentration of compound i in ppmv as carbon.

$$C_{i\text{corr}} = RF_i \times C_{i\text{meas}} \quad (\text{Eq. 5})$$

Where:

$C_{i\text{corr}}$ = Concentration of compound i corrected to the value that would have been measured by EPA Method 25A, ppmv as carbon.

$C_{i\text{meas}}$ = Concentration of compound i measured by EPA Method 320, ppmv as carbon.

$$C_{P_{eq}} = 0.6098 \times C_{i\text{corr}} \quad (\text{Eq. 6})$$

Where:

$C_{P_{eq}}$ = Concentration of compound i in mg of propane equivalent per DSCM.

[40CFR§60.4244(g)]

5.4. Recordkeeping

The permittee shall keep the following records pursuant to section 3.4.1.

[40CFR§60.4245(a)]

- 5.4.1. All notifications to comply with 40CFR60 Subpart JJJJ and all documentation supporting any notification.
- 5.4.2. Maintenance conducted on Engine EN04 and Engine GE01.
- 5.4.3. Documentation demonstrating that EN04 and GE01 meet the emission standards set forth in 5.1.1. and 5.1.2.

5.5. Reporting

- 5.5.1 The permittee shall submit an initial notification to the Director of the Division of Air Quality as required by §60.7(a)(1) and include the following.

[40CFR§60.4245(c)]

- 5.5.1.2. Name and address of the owner or operator,
- 5.5.1.2. The address of the affected source,
- 5.5.1.3. Make, model, engine family, serial number, model year, maximum engine power, and engine displacement.
- 5.5.1.4. Emission control equipment.
- 5.5.1.5. Fuel used.
- 5.5.2. The permittee shall submit a copy of each performance test as conducted in accordance with §60.4244 to the Director of the Division of Air Quality within 60 days after the test has been completed.

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.

Signature¹ _____
(please use blue ink) Responsible Official or Authorized Representative Date

Name & 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 U.S. EPA); or
- d. The designated representative delegated with such authority and approved in advance by the Director.

Columbia Gas Transmission, LLC
Majorsville Compressor Station
051-00025

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Class I Administrative Update



R13- 1523H

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§22-5-1 et seq.) and 45 C.S.R. 13 – Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the above-referenced facility is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:

**Columbia Gas Transmission, LLC
Majorsville Compressor Station
051-00025**

A blue ink signature of William F. Durham, written over a horizontal line.

William F. Durham
Director

Issued: December 22, 2014 • Effective: December 22, 2014

This permit supercedes and replaces R13-1523G issued on March 5, 2013.

Facility Location: Dallas, Marshall County, West Virginia
Mailing Address: 1700 MacCorkle Avenue, SE, Charleston, WV 25314
Facility Description: Natural gas compressor station
NAICS Codes: 486210
UTM Coordinates: 540.9 km Easting • 4,423.6 km Northing • Zone 17
Permit Type: Class I Administrative Update
Description of Change: Correction of APCD naming included in Permit R13-1523G.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

The source is not subject to 45CSR30.

Unless otherwise stated WVDEP DAQ did not determine whether the permittee is subject to an area source air toxics standard requiring Generally Achievable Control Technology (GACT) promulgated after January 1, 2007 pursuant to 40 CFR 63, including the area source air toxics provisions of 40 CFR 63, Subpart and ZZZZ.

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1.0. Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
14207	E07	Caterpillar G3606 LE Reciprocating Internal Combustion Engine (RICE)	2013	1,775 hp	Oxid. Cat.
14208	E08	Caterpillar G3606 LE RICE	2013	1,775 hp	Oxid. Cat.
14209	E09	Caterpillar G3606 LE RICE	2013	1,775 hp	Oxid. Cat.
14210	E10	Caterpillar G3606 LE RICE	2013	1,775 hp	Oxid. Cat.
T14202	TE02	Caterpillar G3516 TALE RICE	2013	1,340 hp	None

1.1. Control Devices

Emission Point ID	Pollutant	Control Device	Control Efficiency
E07-E10	Carbon Monoxide	Oxidation Catalyst	93 %
	Volatile Organic Compounds		50 %
	Formaldehyde		76 %

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.

2.2. Acronyms

CAAA	Clean Air Act Amendments	NO_x	Nitrogen Oxides
CBI	Confidential Business Information	NSPS	New Source Performance Standards
CEM	Continuous Emission Monitor	PM	Particulate Matter
CES	Certified Emission Statement	PM_{2.5}	Particulate Matter less than 2.5 μm in diameter
C.F.R. or CFR	Code of Federal Regulations	PM₁₀	Particulate Matter less than 10μm in diameter
CO	Carbon Monoxide	Ppb	Pounds per Batch
C.S.R. or CSR	Codes of State Rules	Pph	Pounds per Hour
DAQ	Division of Air Quality	Ppm	Parts per Million
DEP	Department of Environmental Protection	Ppm_v or ppmv	Parts per Million by Volume
dscm	Dry Standard Cubic Meter	PSD	Prevention of Significant Deterioration
FOIA	Freedom of Information Act	Psi	Pounds per Square Inch
HAP	Hazardous Air Pollutant	SIC	Standard Industrial Classification
HON	Hazardous Organic NESHAP	SIP	State Implementation Plan
HP	Horsepower	SO₂	Sulfur Dioxide
lbs/hr	Pounds per Hour	TAP	Toxic Air Pollutant
LDAR	Leak Detection and Repair	TPY	Tons per Year
M	Thousand	TRS	Total Reduced Sulfur
MACT	Maximum Achievable Control Technology	TSP	Total Suspended Particulate
MDHI	Maximum Design Heat Input	USEPA	United States Environmental Protection Agency
MM	Million	UTM	Universal Transverse Mercator
MMBtu/hr or mmbtu/hr	Million British Thermal Units per Hour	VEE	Visual Emissions Evaluation
MMCF/hr or mmcf/hr	Million Cubic Feet per Hour	VOC	Volatile Organic Compounds
NA	Not Applicable	VOL	Volatile Organic Liquids
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		

2.3. Authority

This permit is issued in accordance with West Virginia air pollution control law W.Va. Code §§ 22-5-1. et seq. and the following Legislative Rules promulgated thereunder:

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

2.4. Term and Renewal

- 2.4.1. This permit supersedes and replaces previously issued Permit R13-1523G. This Permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any other applicable legislative rule;

2.5. Duty to Comply

- 2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-1523, R13-1523A, R13-1523B, R13-1523C, R13-1523D, R13-1523E, R13-1523F, R13-1523G, R13-1523H, R13-3003T and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to; [45CSR§§13-5.11 and -10.3.]
- 2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;
- 2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;
- 2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses, and/or approvals from other agencies; i.e., local, state, and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

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

2.7. Duty to Supplement and Correct Information

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

2.8. Administrative Update

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

2.9. Permit Modification

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

2.10 Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.
[45CSR§13-5.1]

2.11. Inspection and Entry

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

- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;
- d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

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

improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

- 2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are met.
- 2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
 - d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- 2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- 2.12.5. The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

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

2.14. Suspension of Activities

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

2.15. Property Rights

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

2.16. Severability

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

2.17. Transferability

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

2.18. Notification Requirements

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

2.19. Credible Evidence

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

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management, and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1] *[State Enforceable Only]*
- 3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]
- 3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11.
[45CSR§11-5.2.]

3.2. Monitoring Requirements

[Reserved]

3.3. Testing Requirements

- 3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary

exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.
- b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.
- d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the 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; and,
 3. A statement of compliance or noncompliance with each permit or rule condition.

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

3.4. Recordkeeping Requirements

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

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

3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- 3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
- 3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

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

If to the US EPA:

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

3.5.4. Operating Fee

- 3.5.4.1. In accordance with 45CSR22 – Air Quality Management Fee Program, the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first obtaining and having in current effect a Certificate to Operate (CTO). Such Certificate to Operate (CTO) shall be renewed annually, shall be maintained on the premises for which the certificate has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.
- 3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

4.0. Source-Specific Requirements

4.1. Limitations and Standards

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

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

4.1.2. **Minor Source of Hazardous Air Pollutants (HAP).** HAP emissions from the facility shall be less than 10 tons/year of any single HAP or 25 tons/year of any combination of HAPs. Compliance with this Section shall ensure that the facility is a minor HAP source.

4.1.3. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11.]

4.1.4. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed 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.

5.0. Source-Specific Requirements (E07-E10, TE02)

5.1. Limitations and Standards

5.1.1. The quantity of natural gas that shall be consumed in each of the 1,775 hp natural gas fired reciprocating engines equipped with oxidation catalysts, Caterpillar G3606 LE (E07-E10) shall not exceed 14,558 cubic feet per hour or 127.53×10^6 cubic feet per year.

5.1.2. Maximum emissions from each of the 1,775 hp natural gas fired reciprocating engines equipped with oxidation catalysts, Caterpillar G3606 LE (E07-E10) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Nitrogen Oxides	1.95	8.54
Carbon Monoxide	0.75	3.29
Volatile Organic Compounds	1.25	5.48
Formaldehyde	0.24	1.05

5.1.3. The quantity of natural gas that shall be consumed in the 1,340 hp natural gas fired reciprocating engine, Caterpillar G3516 TALE (TE02) shall not exceed 12,058 cubic feet per hour or 105.63×10^6 cubic feet per year.

5.1.4. Maximum emissions from the 1,340 hp natural gas fired reciprocating engine, Caterpillar G3516 TALE (TE02) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Nitrogen Oxides	4.43	19.40
Carbon Monoxide	6.46	28.29
Volatile Organic Compounds	0.83	3.64
Formaldehyde	0.80	3.50

5.1.5. Requirements for Use of Catalytic Oxidation Devices

- a. For natural gas RICEs (E07-E10), the permittee shall monitor the temperature to the inlet of the catalyst and in accordance with manufacturer’s specifications, a high temperature alarm shall shut off the engine before thermal deactivation of the catalyst occurs. If the engine shuts off due to high temperature, the permittee shall also check for thermal deactivation of the catalyst before normal operations are resumed.
- b. Upon request by the Director, testing shall be conducted using a portable analyzer in accordance with a protocol approved by the Director. Such controls shall ensure proper and efficient operation of the engine and air pollution control devices.

- c. No person shall knowingly:
 1. Remove or render inoperative any air pollution or auxiliary air pollution control device installed subject to the requirements of this permit;
 2. Install any part or component when the principal effect of the part or component is to bypass, defeat or render inoperative any air pollution control device or auxiliary air pollution control device installed subject to the requirements of this permit; or
 3. Cause or allow engine exhaust gases to bypass any catalytic oxidation device.

5.2. Monitoring Requirements

5.2.1. Catalytic Oxidizer Control Devices

The permittee shall regularly inspect, properly maintain and/or replace catalytic oxidation devices and auxiliary air pollution control devices to ensure functional and effective operation of the engine's physical and operational design. The permittee shall ensure proper operation, maintenance and performance of catalytic oxidation devices and auxiliary air pollution control devices by:

1. Following operating and maintenance recommendations of the catalyst element manufacturer.
2. Upon request by the Director, testing shall be conducted using a portable analyzer in accordance with a protocol approved by the Director. Such controls shall ensure proper and efficient operation of the engine and air pollution control devices; and
3. No person shall knowingly:
 - a. Remove or render inoperative any air pollution or auxiliary air pollution control device installed subject to the requirements of this permit;
 - b. Install any part or component when the principal effect of the part or component is to bypass, defeat or render inoperative any air pollution control device or auxiliary air pollution control device installed subject to the requirements of this permit; or
 - c. Cause or allow engine exhaust gases to bypass any catalytic oxidation device.

5.3. Testing Requirements

- 5.3.1. See Facility-Wide Testing Requirements Section 3.3 and Testing Requirements Section 6.4.

5.4. Recordkeeping Requirements

- 5.4.1. To demonstrate compliance with sections 5.1.1 – 5.1.4, the permittee shall maintain records of the amount of natural gas consumed in each engine and the hours of operation of each engine. Said records shall be maintained on site or in a readily accessible off-site location maintained by the permittee for a period of five (5) years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.

- 5.4.2. To demonstrate compliance with section 5.1.5 the permittee shall maintain records of all catalytic oxidation device maintenance. Said records shall be maintained on site or in a readily accessible off-site location maintained by the permittee for a period of five (5) years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.

5.5. Reporting Requirements

- 5.4.1. See Facility-Wide Reporting Requirements Section 3.5 and Section 6.5.

6.0. Source-Specific Requirements (40CFR60 Subpart JJJJ Requirements, E07-E10, TE02)

6.1. Limitations and Standards

- 6.1.1. The provisions of this subpart are applicable to owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified below. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured:

- i. On or after July 1, 2007, for engines with a maximum engine power greater than or equal to 500 HP (except lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP);
 - ii. on or after January 1, 2008, for lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP;
 - iii. on or after July 1, 2008, for engines with a maximum engine power less than 500 HP; or [40CFR§60.4230(a)]
- 6.1.2. The provisions of this subpart are not applicable to stationary SI ICE being tested at an engine test cell/stand. [40CFR§60.4230(b)]
- 6.1.3. If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable. [40CFR§60.4230(c)]
- 6.1.4. Stationary SI ICE may be eligible for exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C (or the exemptions described in 40 CFR parts 90 and 1048, for engines that would need to be certified to standards in those parts), except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security. [40CFR§60.4230(e)]

6.2. Emission Standards for Owners and Operators

- 6.2.1. Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards in Table 1 to this subpart for their stationary SI ICE. For owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 100 HP (except gasoline and rich burn engines that use LPG) manufactured prior to January 1, 2011 that were certified to the certification emission standards in 40 CFR part 1048 applicable to engines that are not severe duty engines, if such stationary SI ICE was certified to a carbon monoxide (CO) standard above the standard in Table 1 to this subpart, then the owners and operators may meet the CO certification (not field testing) standard for which the engine was certified. [40CFR§60.4233(e)]

- 6.2.2. Owners and operators of stationary SI ICE that are required to meet standards that reference 40 CFR 1048.101 must, if testing their engines in use, meet the standards in that section applicable to field testing, except as indicated in paragraph (e) of this section. [40CFR§60.4233(h)]
- 6.2.3. Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in §60.4233 over the entire life of the engine. [40CFR§60.4234]

6.3. Compliance Requirements for Owners and Operators

- 6.3.1. If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in §60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of this section.
 - (b)(1). Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.
 - (b)(2). Purchasing a non-certified engine and demonstrating compliance with the emission standards specified in §60.4233(d) or (e) and according to the requirements specified in §60.4244, as applicable, and according to paragraphs (b)(2)(i) and (ii) of this section.
 - 2. If you are an owner or operator of a stationary SI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.
[40CFR§60.4243(b)]
- 6.3.2. Owners and operators of stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of §60.4233. [40CFR§60.4243(e)]
- 6.3.3. If you are an owner/operator of an stationary SI internal combustion engine with maximum engine power greater than or equal to 500 HP that is manufactured after July 1, 2007 and before July 1, 2008, and must comply with the emission standards specified in sections 60.4233(b) or (c), you must comply by one of the methods specified in paragraphs (h)(1) through (h)(4) of this section.
 - a. Purchasing an engine certified according to 40 CFR part 1048. The engine must be installed and configured according to the manufacturer's specifications.
 - b. Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.
 - c. Keeping records of engine manufacturer data indicating compliance with the standards.
 - d. Keeping records of control device vendor data indicating compliance with the standards.[40CFR§60.4243(h)]

6.4. Testing Requirements for Owners and Operators

6.4.1. Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of this section.

- a. Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 to this subpart. [40CFR§60.4244(a)]
- b. You may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If your stationary SI internal combustion engine is non-operational, you do not need to startup the engine solely to conduct a performance test; however, you must conduct the performance test immediately upon startup of the engine. [40CFR§60.4244(b)]
- c. You must conduct three separate test runs for each performance test required in this section, as specified in §60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour. [40CFR§60.4244(c)]
- d. To determine compliance with the NO_x mass per unit output emission limitation, convert the concentration of NO_x in the engine exhaust using Equation 1 of this section:

$$ER = \frac{C_d \times 1.912 \times 10^{-3} \times Q \times T}{HP - hr} \quad (\text{Eq. 1})$$

Where:

ER = Emission rate of NO_x in g/HP-hr.

C_d = Measured NO_x concentration in parts per million by volume (ppmv).

1.912×10⁻³ = Conversion constant for ppm NO_x to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meter per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, horsepower-hour (HP-hr).

[40CFR§60.4244(d)]

- d. To determine compliance with the CO mass per unit output emission limitation, convert the concentration of CO in the engine exhaust using Equation 2 of this section:

$$ER = \frac{C_d \times 1.164 \times 10^{-3} \times Q \times T}{HP - hr} \quad (\text{Eq. 2})$$

Where:

ER = Emission rate of CO in g/HP-hr.

C_d = Measured CO concentration in ppmv.

1.164×10⁻³ = Conversion constant for ppm CO to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

[40CFR§60.4244(e)]

- e. For purposes of this subpart, when calculating emissions of VOC, emissions of formaldehyde should not be included. To determine compliance with the VOC mass per unit output emission limitation, convert the concentration of VOC in the engine exhaust using Equation 3 of this section:

$$ER = \frac{C_d \times 1.833 \times 10^{-3} \times Q \times T}{HP - hr} \quad (\text{Eq. 3})$$

Where:

ER = Emission rate of VOC in g/HP-hr.

C_d = VOC concentration measured as propane in ppmv.

1.833×10⁻³ = Conversion constant for ppm VOC measured as propane, to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

[40CFR§60.4244(f)]

- f. If the owner/operator chooses to measure VOC emissions using either Method 18 of 40 CFR part 60, appendix A, or Method 320 of 40 CFR part 63, appendix A, then it has the option of correcting the measured VOC emissions to account for the potential differences in measured values between these methods and Method 25A. The results from Method 18 and Method 320 can be corrected for response factor differences using Equations 4 and 5 of this section. The corrected VOC concentration can then be placed on a propane basis using Equation 6 of this section.

$$RF_i = \frac{C_{Mi}}{C_{Ai}} \quad (\text{Eq. 4})$$

Where:

RF_i = Response factor of compound i when measured with EPA Method 25A.

C_{Mi} = Measured concentration of compound i in ppmv as carbon.

C_{Ai} = True concentration of compound i in ppmv as carbon.

$$C_{i,corr} = RF_i \times C_{i,meas} \quad (\text{Eq. 5})$$

Where:

C_{i,corr} = Concentration of compound i corrected to the value that would have been measured by EPA Method 25A, ppmv as carbon.

$C_{i_{meas}}$ = Concentration of compound i measured by EPA Method 320, ppmv as carbon.

$$C_{P_{eq}} = 0.6098 \times C_{i_{meas}} \quad (\text{Eq. 6})$$

Where:

$C_{P_{eq}}$ = Concentration of compound i in mg of propane equivalent per DSCM.

[40CFR§60.4244(g)]

6.5. Notification, Reports, and Records for Owners and Operators

6.5.1. Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

a. Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

1. All notifications submitted to comply with this subpart and all documentation supporting any notification.
2. Maintenance conducted on the engine.
3. If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90 and 1048.
4. If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards.

[40CFR§60.4245(a)]

b. For all stationary SI emergency ICE greater than or equal to 500 HP manufactured on or after July 1, 2010, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than or equal to 130 HP and less than 500 HP manufactured on or after July 1, 2011 that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the owner or operator of 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.

[40CFR§60.4245(b)]

c. Owners and operators of stationary SI ICE greater than or equal to 500 HP that have not been certified by an engine manufacturer to meet the emission standards in §60.4231 must submit an initial notification as required in §60.7(a)(1). The notification must include the information in paragraphs (c)(1) through (5) of this section.

1. Name and address of the owner or operator;
2. The address of the affected source;
3. Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement;
4. Emission control equipment; and

5. Fuel used.
[40CFR§60.4245(c)]
- d. Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in §60.4244 within 60 days after the test has been completed. [40CFR§60.4245(d)]

7.0. Source-Specific Requirements (40CFR60 Subpart OOOO Requirements, (E07-E10, TE02))

7.1. Limitations and Standards

- 7.1.1. You must comply with the standards in paragraphs (a) through (d) of this section for each reciprocating compressor affected facility.
 - a. You must replace the reciprocating compressor rod packing according to either paragraph (a)(1) or (2) of this section.
 1. Before the compressor has operated for 26,000 hours. The number of hours of operation must be continuously monitored beginning upon initial startup of your reciprocating compressor affected facility, or October 15, 2012, or the date of the most recent reciprocating compressor rod packing replacement, whichever is later.
 2. Prior to 36 months from the date of the most recent rod packing replacement, or 36 months from the date of startup for a new reciprocating compressor for which the rod packing has not yet been replaced.
 - b. You must demonstrate initial compliance with standards that apply to reciprocating compressor affected facilities as required by § 60.5410.
 - c. You must demonstrate continuous compliance with standards that apply to reciprocating compressor affected facilities as required by § 60.5415.
 - d. You must perform the required notification, recordkeeping, and reporting as required by § 60.5420.

[40CFR§60.5385, RICEs]

7.2. Initial Compliance Demonstration

- 7.2.1. You must determine initial compliance with the standards for each affected facility using the requirements in paragraph (c) of this section. The initial compliance period begins on October 15, 2012 or upon initial startup, whichever is later, and ends no later than one year after the initial startup date for your affected facility or no later than one year after October 15, 2012. The initial compliance period may be less than one full year.
 - c. To achieve initial compliance with the standards for each reciprocating compressor affected facility you must comply with paragraphs (c)(1) through (4) of this section.
 1. During the initial compliance period, you must continuously monitor the number of hours of operation or track the number of months since the last rod packing replacement.
 2. You must submit the notifications required in 60.7(a)(1), (3), and (4).

3. You must submit the initial annual report for your reciprocating compressor as required in § 60.5420(b).
4. You must maintain the records as specified in § 60.5420(c)(3) for each reciprocating compressor affected facility.

[40CFR§60.5410]

7.3. Continuous Compliance Demonstration

7.3.1. For each reciprocating compressor affected facility, you must demonstrate continuous compliance according to paragraphs (1) through (3) of this section.

1. You must continuously monitor the number of hours of operation for each reciprocating compressor affected facility or track the number of months since initial startup, or October 15, 2012, or the date of the most recent reciprocating compressor rod packing replacement, whichever is later.
2. You must submit the annual report as required in § 60.5420(b) and maintain records as required in § 60.5420(c)(3).
3. You must replace the reciprocating compressor rod packing before the total number of hours of operation reaches 26,000 hours or the number of months since the most recent rod packing replacement reaches 36 months.

7.3.2. Affirmative defense for violations of emission standards during malfunction. In response to an action to enforce the standards set forth in §§ 60.5375, you may assert an affirmative defense to a claim for civil penalties for violations of such standards that are caused by malfunction, as defined at § 60.2. Appropriate penalties may be assessed, however, if you fail to meet your burden of proving all of the requirements in the affirmative defense. The affirmative defense shall not be available for claims for injunctive relief.

(1) To establish the affirmative defense in any action to enforce such a standard, you must timely meet the reporting requirements in § 60.5420(a), and must prove by a preponderance of evidence that:

(i) The violation:

(A) Was caused by a sudden, infrequent, and unavoidable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner; and

(B) Could not have been prevented through careful planning, proper design or better operation and maintenance practices; and

(C) Did not stem from any activity or event that could have been foreseen and avoided, or planned for; and

(D) Was not part of a recurring pattern indicative of inadequate design, operation, or maintenance; and

(ii) Repairs were made as expeditiously as possible when a violation occurred. Off-shift and overtime labor were used, to the extent practicable to make these repairs; and

(iii) The frequency, amount and duration of the violation (including any bypass) were minimized to the maximum extent practicable; and

- (iv) If the violation resulted from a bypass of control equipment or a process, then the bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
- (v) All possible steps were taken to minimize the impact of the violation on ambient air quality, the environment and human health; and
- (vi) All emissions monitoring and control systems were kept in operation if at all possible, consistent with safety and good air pollution control practices; and
- (vii) All of the actions in response to the violation were documented by properly signed, contemporaneous operating logs; and
- (viii) At all times, the affected source was operated in a manner consistent with good practices for minimizing emissions; and
- (ix) A written root cause analysis has been prepared, the purpose of which is to determine, correct, and eliminate the primary causes of the malfunction and the violation resulting from the malfunction event at issue. The analysis shall also specify, using best monitoring methods and engineering judgment, the amount of any emissions that were the result of the malfunction.

(2) Report. The owner or operator seeking to assert an affirmative defense shall submit a written report to the Administrator with all necessary supporting documentation, that it has met the requirements set forth in paragraph (h)(1) of this section. This affirmative defense report shall be included in the first periodic compliance, deviation report or excess emission report otherwise required after the initial occurrence of the violation of the relevant standard (which may be the end of any applicable averaging period). If such compliance, deviation report or excess emission report is due less than 45 days after the initial occurrence of the violation, the affirmative defense report may be included in the second compliance, deviation report or excess emission report due after the initial occurrence of the violation of the relevant standard.

[40CFR§60.5415]

7.4. Notification, Recordkeeping and Reporting Requirements

- 7.4.1. You must submit the notifications required in § 60.7(a)(1) and (4), and according to paragraphs (a)(1) and (2) of this section, if you own or operate one or more of the affected facilities specified in § 60.5365 that was constructed, modified, or reconstructed during the reporting period.
- 7.4.2. Reporting requirements. You must submit annual reports containing the information specified in paragraphs (b)(4) of this section to the Administrator and performance test reports as specified in paragraph (b)(7) of this section. The initial annual report is due 30 days after the end of the initial compliance period as determined according to § 60.5410. Subsequent annual reports are due on the same date each year as the initial annual report. If you own or operate more than one affected facility, you may submit one report for multiple affected facilities provided the report contains all of the information required as specified in paragraphs (b)(1) through (6) of this section. Annual reports may coincide with title V reports as long as all the required elements of the annual report are included. You may arrange with the Administrator a common schedule on which reports required by this part may be submitted as long as the schedule does not extend the reporting period.

(1) The general information specified in paragraphs (b)(1)(i) through (iv) of this section.

(i) The company name and address of the affected facility.

- (ii) An identification of each affected facility being included in the annual report.
 - (iii) Beginning and ending dates of the reporting period.
 - (iv) A certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (2) *Reserved.*
- (3) *Reserved.*
- (4) For each reciprocating compressor affected facility, the information specified in paragraphs (b)(4)(i) through (ii) of this section.
- (i) The cumulative number of hours of operation or the number of months since initial startup, October 15, 2012, or since the previous reciprocating compressor rod packing replacement, whichever is later.
 - (ii) Records of deviations specified in paragraph (c)(3)(iii) of this section that occurred during the reporting period.
- (5) *Reserved.*
- (6) *Reserved.*
- (7) (i) Within 60 days after the date of completing each performance test (see § 60.8 of this part) as required by this subpart you must submit the results of the performance tests required by this subpart to EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of EPA's Electronic Reporting Tool (ERT) (see <http://www.epa.gov/ttn/chief/ert/index.html>). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. Owners or operators who claim that some of the information being submitted for performance tests is confidential business information (CBI) must submit a complete ERT file including information claimed to be CBI on a compact disk or other commonly used electronic storage media (including, but not limited to, flash drives) to EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: WebFIRE Administrator, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT file with the CBI omitted must be submitted to EPA via CDX as described earlier in this paragraph. At the discretion of the delegated authority, you must also submit these reports, including the confidential business information, to the delegated authority in the format specified by the delegated authority.
- (ii) All reports required by this subpart not subject to the requirements in paragraph (a)(2)(i) of this section must be sent to the Administrator at the appropriate address listed in § 63.13 of this part. The Administrator or the delegated authority may request a report in any form suitable for the specific case (e.g., by commonly used electronic media such as Excel spreadsheet, on CD or hard copy). The Administrator retains the right to require submittal of reports subject to paragraph (a)(2)(i) and (ii) of this section in paper format.

[40CFR§60.5420]

7.4.3. Recordkeeping requirements. You must maintain the records identified as specified in § 60.7(f) and in paragraph (c)(1) of this section. All records must be maintained for at least 5 years.

(3) For each reciprocating compressors affected facility, you must maintain the records in paragraphs (c)(3)(i) through (iii) of this section.

(i) Records of the cumulative number of hours of operation or number of months since initial startup or October 15, 2012, or the previous replacement of the reciprocating compressor rod packing, whichever is later.

(ii) Records of the date and time of each reciprocating compressor rod packing replacement.

(iii) Records of deviations in cases where the reciprocating compressor was not operated in compliance with the requirements specified in § 60.5385.

[40CFR§60.5420]

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.

Signature¹
(please use blue ink)

Responsible Official or Authorized Representative

Date

Name & 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 U.S. EPA); or
- d. The designated representative delegated with such authority and approved in advance by the Director.

Columbia Gas Transmission, LLC
Rockport Compressor Station
107-00100

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Permit to Class I Administrative Update



R13-3032B

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§22-5-1 et seq.) and 45 C.S.R. 13 – Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the above-referenced facility is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:

**Columbia Gas Transmission, LLC
Rockport Compressor Station
107-00100**

A blue ink signature of William F. Durham, written over a horizontal line.

William F. Durham
Director

Issued: January 23, 2015 • Effective: January 23, 2015

This permit will supersede and replace Permit R13-3032A.

Facility Location: Rockport, Wood County, West Virginia
Mailing Address: 1700 MacCorkle Avenue SE
Charleston, WV 25314
Facility Description: Transmission natural gas compressor and storage station
NAICS Codes: 486210
UTM Coordinates: 452.25 km Easting • 4,324.39 km Northing • Zone 17
Permit Type: Class I Administrative Update
Description of Change: Removal of one (1) 0.25 mmBtu/hr line heater and one (1) 3.2 mmBtu/hr boiler.

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.

This source is not subject to 45CSR30.

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1.0. Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
17304	E04	Caterpillar G3606 LE Compressor Engine	2013	1,775 HP	Oxidation Catalyst
17305	E05	Caterpillar G3606 LE Compressor Engine	2013	1,775 HP	Oxidation Catalyst
173G2	G2	Waukesha VGF18GL Generator	2013	440 HP	None
HTR3	H3	Fuel Gas Heater	2013	0.57 MMBtu/hr	None
HTR1	H1	Line Heater	1994	1.75 MMBtu/hr	None
SH1	SH1	40 Catalytic Space Heaters	2013	0.072 MMBtu/hr each	None
A07	A07	Pipeline Liquids Storage Tank	1994	8,000 gal	None
A08	A08	Pipeline Liquids Storage Tank	1994	8,000 gal	None
A09	A09	Pipeline Liquids Storage Tank	1994	8,000 gal	None
A11	A11	Methanol Storage Tank	1996	5,000 gal	None
A15	A15	Pipeline Liquids Storage Tank	2001	8,000 gal	None
A16	A16	Lube Oil Storage Tank	2013	8,000 gal	None
A17	A17	Lube Oil Storage Tank	2013	5,000 gal	None
A18	A18	Pipeline Liquids Storage Tank	2013	5,000 gal	None
A19	A19	Ethylene Glycol Storage Tank	2013	2,000 gal	None
A20	A20	Ethylene Glycol Storage Tank	2013	2,000 gal	None
A21	A21	Waste Fluid (Floor Drains) Storage Tank	2013	2,000 gal	None

1.1. Control Devices

Emission Unit	Pollutant	Control Device	Control Efficiency
Engine E04 and Engine E05	Carbon Monoxide	Oxidation Catalyst	93 %
	Volatile Organic Compounds		50 %
	Formaldehyde		76 %

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.

2.2. Acronyms

CAAA	Clean Air Act Amendments	NO_x	Nitrogen Oxides
CBI	Confidential Business Information	NSPS	New Source Performance Standards
CEM	Continuous Emission Monitor	PM	Particulate Matter
CES	Certified Emission Statement	PM_{2.5}	Particulate Matter less than 2.5 μm in diameter
C.F.R. or CFR	Code of Federal Regulations	PM₁₀	Particulate Matter less than 10μm in diameter
CO	Carbon Monoxide	Ppb	Pounds per Batch
C.S.R. or CSR	Codes of State Rules	Pph	Pounds per Hour
DAQ	Division of Air Quality	Ppm	Parts per Million
DEP	Department of Environmental Protection	Ppm_v or ppmv	Parts per Million by Volume
dscm	Dry Standard Cubic Meter	PSD	Prevention of Significant Deterioration
FOIA	Freedom of Information Act	Psi	Pounds per Square Inch
HAP	Hazardous Air Pollutant	SIC	Standard Industrial Classification
HON	Hazardous Organic NESHAP	SIP	State Implementation Plan
HP	Horsepower	SO₂	Sulfur Dioxide
lbs/hr	Pounds per Hour	TAP	Toxic Air Pollutant
LDAR	Leak Detection and Repair	TPY	Tons per Year
M	Thousand	TRS	Total Reduced Sulfur
MACT	Maximum Achievable Control Technology	TSP	Total Suspended Particulate
MDHI	Maximum Design Heat Input	USEPA	United States Environmental Protection Agency
MM	Million	UTM	Universal Transverse Mercator
MMBtu/hr or mmbtu/hr	Million British Thermal Units per Hour	VEE	Visual Emissions Evaluation
MMCF/hr or mmcf/hr	Million Cubic Feet per Hour	VOC	Volatile Organic Compounds
NA	Not Applicable	VOL	Volatile Organic Liquids
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		

2.3. Authority

This permit is issued in accordance with West Virginia air pollution control law W.Va. Code §§ 22-5-1. et seq. and the following Legislative Rules promulgated thereunder:

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

2.4. Term and Renewal

- 2.4.1. This Permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any other applicable legislative rule;

2.5. Duty to Comply

- 2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Application R13-3032 and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;
[45CSR§§13-5.11 and -10.3.]
- 2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;
- 2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;
- 2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses, and/or approvals from other agencies; i.e., local, state, and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

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

2.7. Duty to Supplement and Correct Information

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

2.8. Administrative Update

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

2.9. Permit Modification

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

2.10 Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.
[45CSR§13-5.1]

2.11. Inspection and Entry

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

- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;
- d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

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

improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

- 2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are met.
- 2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
 - d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- 2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- 2.12.5 The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

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

2.14. Suspension of Activities

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

2.15. Property Rights

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

2.16. Severability

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

2.17. Transferability

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

2.18. Notification Requirements

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

2.19. Credible Evidence

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

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management, and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1] *[State Enforceable Only]*
- 3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]
- 3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11.
[45CSR§11-5.2.]

3.2. Monitoring Requirements

[Reserved]

3.3. Testing Requirements

- 3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary

exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.
- b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.
- d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the 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; and,
 3. A statement of compliance or noncompliance with each permit or rule condition.

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

3.4. Recordkeeping Requirements

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

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

3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- 3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
- 3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:
Director
WVDEP
Division of Air Quality
601 57th Street
Charleston, WV 25304-2345

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

3.5.4. Operating Fee

- 3.5.4.1. In accordance with 45CSR22 – Air Quality Management Fee Program, the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first obtaining and having in current effect a Certificate to Operate (CTO). Such Certificate to Operate (CTO) shall be renewed annually, shall be maintained on the premises for which the certificate has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.
- 3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

4.0. Source-Specific Requirements

4.1. Limitations and Standards

- 4.1.1. **Record of Monitoring.** The permittee shall keep records of monitoring information that include the following:
- a. The date, place as defined in this permit, and time of sampling or measurements;
 - b. The date(s) analyses were performed;
 - c. The company or entity that performed the analyses;
 - d. The analytical techniques or methods used;
 - e. The results of the analyses; and
 - f. The operating conditions existing at the time of sampling or measurement.
- 4.1.2. **Minor Source of Hazardous Air Pollutants (HAP).** HAP emissions from the facility shall be less than 10 tons/year of any single HAP or 25 tons/year of any combination of HAPs. Compliance with this Section shall ensure that the facility is a minor HAP source.
- 4.1.3. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11.]
- 4.1.4. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed 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.

5.0. Source-Specific Requirements (E04, E05, and G2)

5.1. Limitations and Standards

5.1.1. The quantity of natural gas that shall be consumed in each of the 1,775 hp natural gas fired reciprocating engines equipped with oxidation catalysts, Caterpillar G3606 LE (E04, E05 shall not exceed 13,560 cubic feet per hour or 118.77×10^6 cubic feet per year.

5.1.2. Maximum emissions from each of the 1,775 hp natural gas fired reciprocating engines with oxidation catalysts, Caterpillar G3606 LE (E04, E05) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Nitrogen Oxides	2.74	12.00
Carbon Monoxide	0.75	3.29
Volatile Organic Compounds	1.23	5.39
Formaldehyde	0.24	1.05

5.1.3. The quantity of natural gas that shall be consumed in the 440 hp natural gas fired generator, Waukesha VGF18GL (G2) shall not exceed 3,248 cubic feet per hour or 1.63×10^6 cubic feet per year.

5.1.4. Maximum emissions from the 440 hp natural gas fired generator, Waukesha VGF18GL (G2) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Nitrogen Oxides	1.94	0.49
Carbon Monoxide	1.26	0.32
Volatile Organic Compounds	0.25	0.06
Formaldehyde	0.16	0.04

5.1.5. **Maximum Yearly Operation Limitation.** The maximum yearly hours of operation for the 440 hp natural gas fired generator, Waukesha VGF18GL (G2) shall not exceed 500 hours per year. Compliance with the Maximum Yearly Operation Limitation shall be determined using a twelve month rolling total. A twelve month rolling total shall mean the sum of the hours of operation at any given time during the previous twelve consecutive calendar months.

5.1.6. Requirements for Use of Catalytic Oxidation Devices

- a. For engines (E04-E05), the permittee shall monitor the temperature to the inlet of the catalyst and in accordance with manufacturer's specifications; a high temperature alarm shall shut off the engine before thermal deactivation of the catalyst occurs. If the engine shuts off due to high temperature, the permittee shall also check for thermal deactivation of the catalyst before normal operations are resumed.

b. No person shall knowingly:

1. Remove or render inoperative any air pollution or auxiliary air pollution control device installed subject to the requirements of this permit;
2. Install any part or component when the principal effect of the part or component is to bypass, defeat or render inoperative any air pollution control device or auxiliary air pollution control device installed subject to the requirements of this permit; or
3. Cause or allow engine exhaust gases to bypass any catalytic oxidation device.

5.2. Monitoring Requirements

5.2.1. Catalytic Oxidizer Control Devices

- a. The permittee shall regularly inspect, properly maintain and/or replace catalytic oxidation devices and auxiliary air pollution control devices to ensure functional and effective operation of the engine's physical and operational design. The permittee shall ensure proper operation, maintenance and performance of catalytic oxidation devices and auxiliary air pollution control devices by:
 1. Maintaining proper operation of the automatic air/fuel ratio controller or automatic feedback controller.
 2. Following operating and maintenance recommendations of the catalyst element manufacturer.
 3. The automatic air/fuel ratio controller or closed-loop automatic feedback controller shall provide a warning or indication to the operator and/or be interlocked with the engine ignition system to cease engine operation in case of masking, poisoning or overrich air/fuel ratio situation which results in performance degradation or failure of the catalyst element.

5.3. Testing Requirements

- 5.3.1. See Facility-Wide Testing Requirements Section 3.3 and Testing Requirements Section 7.4.
- 5.3.2. Upon request by the Director, testing shall be conducted using a portable analyzer in accordance with a protocol approved by the Director. Such controls shall ensure proper and efficient operation of the engine and air pollution control devices.

5.4. Recordkeeping Requirements

- 5.4.1. To demonstrate compliance with sections 5.1.1. – 5.1.5., the permittee shall maintain records of the amount and type of fuel consumed in each engine and the hours of operation of each engine. Said records shall be maintained on site or in a readily accessible off-site location maintained by the permittee for a period of five (5) years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.
- 5.4.2. To demonstrate compliance with section 5.1.6. the permittee shall maintain records of all catalytic oxidation device maintenance. Said records shall be maintained on site or in a readily accessible off-site location maintained by the permittee for a period of five (5) years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized

representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.

5.5. Reporting Requirements

5.4.1. See Facility-Wide Reporting Requirements Section 3.5.

6.0. Source-Specific Requirements (H1, H3, and SH1)

6.1. Limitations and Standards

- 6.1.1. Maximum Design Heat Input. The maximum design heat input of the line heater (H1), fuel gas heater (H3), and 40 catalytic space heaters (SH1) shall not exceed the following:

Emission Point ID#	Emission Unit	Maximum Design Heat Input (MMBtu/hr)
H1	Line Heater	1.75
H3	Fuel Gas Heater	0.57
SH1	40 Catalytic Space Heaters	0.072 each

- 6.1.2. 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.
[45CSR§2-3.1.]

6.2. Monitoring Requirements

- 6.2.1. At such reasonable times as the Secretary may designate, the permittee shall conduct Method 9 emission observations for the purpose of demonstrating compliance with Section 6.1.2. Method 9 shall be conducted in accordance with 40 CFR 60 Appendix A.

6.3. Testing Requirements

- 6.3.1. Compliance with the visible emission requirements of section 6.1.2. shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 or by using measurements from continuous opacity monitoring systems approved by the Director. The Director may require the installation, calibration, maintenance and operation of continuous opacity monitoring systems and may establish policies for the evaluation of continuous opacity monitoring results and the determination of compliance with the visible emission requirements of section 6.1.2. Continuous opacity monitors shall not be required on fuel burning units which employ wet scrubbing systems for emission control.
[45CSR§2-3.2.]

6.4. Recordkeeping Requirements

- 6.4.1. The permittee shall maintain records of all monitoring data required by Section 6.2.1. documenting the date and time of each visible emission check, the emission point or equipment/source identification number, the name or means of identification of the observer, the results of the check(s), whether the visible emissions are normal for the process, and, if applicable, all corrective measures taken or planned. The permittee shall also record the general weather conditions (i.e. sunny, approximately 80°F, 6 - 10 mph NE wind) during the visual emission check(s). Should a visible emission observation be required to be performed per the requirements specified in Method 9, the data records of each observation shall be maintained per the requirements of Method 9.

6.5. Reporting Requirements

- 6.5.1. Any deviation(s) from the allowable visible emission requirement for any emission source discovered during observations using 40CFR Part 60, Appendix A, Method 9 or 22 shall be reported in writing to the Director of the Division of Air Quality as soon as practicable, but in any

case within ten (10) calendar days of the occurrence and shall include at least the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

7.0. Source-Specific Requirements (40CFR60 Subpart JJJJ Requirements, E04, E05, and G2)

7.1. Limitations and Standards

- 7.1.1. The provisions of this subpart are applicable to owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified below. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured:

- i. On or after July 1, 2007, for engines with a maximum engine power greater than or equal to 500 HP (except lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP);
 - ii. on or after January 1, 2008, for lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP;
 - iii. on or after July 1, 2008, for engines with a maximum engine power less than 500 HP; or [40CFR§60.4230(a)]
- 7.1.2. The provisions of this subpart are not applicable to stationary SI ICE being tested at an engine test cell/stand. [40CFR§60.4230(b)]
- 7.1.3. If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable. [40CFR§60.4230(c)]
- 7.1.4. Stationary SI ICE may be eligible for exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C (or the exemptions described in 40 CFR parts 90 and 1048, for engines that would need to be certified to standards in those parts), except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security. [40CFR§60.4230(e)]

7.2. Emission Standards for Owners and Operators

- 7.2.1. Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards in Table 1 to this subpart for their stationary SI ICE. For owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 100 HP (except gasoline and rich burn engines that use LPG) manufactured prior to January 1, 2011 that were certified to the certification emission standards in 40 CFR part 1048 applicable to engines that are not severe duty engines, if such stationary SI ICE was certified to a carbon monoxide (CO) standard above the standard in Table 1 to this subpart, then the owners and operators may meet the CO certification (not field testing) standard for which the engine was certified. [40CFR§60.4233(e)]

- 7.2.2. Owners and operators of stationary SI ICE that are required to meet standards that reference 40 CFR 1048.101 must, if testing their engines in use, meet the standards in that section applicable to field testing, except as indicated in paragraph (e) of this section. [40CFR§60.4233(h)]
- 7.2.3. Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in §60.4233 over the entire life of the engine. [40CFR§60.4234]

7.3. Compliance Requirements for Owners and Operators

- 7.3.1. If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in §60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of this section.
 - (b)(1). Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.
 - (b)(2). Purchasing a non-certified engine and demonstrating compliance with the emission standards specified in §60.4233(d) or (e) and according to the requirements specified in §60.4244, as applicable, and according to paragraphs (b)(2)(i) and (ii) of this section.
 - 2. If you are an owner or operator of a stationary SI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.
[40CFR§60.4243(b)]

7.4. Testing Requirements for Owners and Operators

- 7.4.1. Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (g) of this section.
 - a. Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 to this subpart. [40CFR§60.4244(a)]
 - b. You may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If your stationary SI internal combustion engine is non-operational, you do not need to startup the engine solely to conduct a performance test; however, you must conduct the performance test immediately upon startup of the engine. [40CFR§60.4244(b)]
 - c. You must conduct three separate test runs for each performance test required in this section, as specified in §60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour. [40CFR§60.4244(c)]
 - d. To determine compliance with the NO_x mass per unit output emission limitation, convert the concentration of NO_x in the engine exhaust using Equation 1 of this section:

$$ER = \frac{C_a \times 1.912 \times 10^{-3} \times Q \times T}{HP - hr} \quad (\text{Eq. 1})$$

Where:

ER = Emission rate of NO_x in g/HP-hr.

C_d = Measured NO_x concentration in parts per million by volume (ppmv).

1.912×10⁻³ = Conversion constant for ppm NO_x to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meter per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, horsepower-hour (HP-hr).

[40CFR§60.4244(d)]

- e. To determine compliance with the CO mass per unit output emission limitation, convert the concentration of CO in the engine exhaust using Equation 2 of this section:

$$ER = \frac{C_d \times 1.164 \times 10^{-3} \times Q \times T}{HP - hr} \quad (\text{Eq. 2})$$

Where:

ER = Emission rate of CO in g/HP-hr.

C_d = Measured CO concentration in ppmv.

1.164×10⁻³ = Conversion constant for ppm CO to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

[40CFR§60.4244(e)]

- f. For purposes of this subpart, when calculating emissions of VOC, emissions of formaldehyde should not be included. To determine compliance with the VOC mass per unit output emission limitation, convert the concentration of VOC in the engine exhaust using Equation 3 of this section:

$$ER = \frac{C_d \times 1.833 \times 10^{-3} \times Q \times T}{HP - hr} \quad (\text{Eq. 3})$$

Where:

ER = Emission rate of VOC in g/HP-hr.

C_d = VOC concentration measured as propane in ppmv.

1.833×10⁻³ = Conversion constant for ppm VOC measured as propane, to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

[40CFR§60.4244(f)]

- g. If the owner/operator chooses to measure VOC emissions using either Method 18 of 40 CFR part 60, appendix A, or Method 320 of 40 CFR part 63, appendix A, then it has the option of correcting the measured VOC emissions to account for the potential differences in measured values between these methods and Method 25A. The results from Method 18 and Method 320 can be corrected for response factor differences using Equations 4 and 5 of this section. The corrected VOC concentration can then be placed on a propane basis using Equation 6 of this section.

$$RF_i = \frac{C_{Mi}}{C_{Ai}} \quad (\text{Eq. 4})$$

Where:

RF_i = Response factor of compound i when measured with EPA Method 25A.

C_{Mi} = Measured concentration of compound i in ppmv as carbon.

C_{Ai} = True concentration of compound i in ppmv as carbon.

$$C_{i\text{corr}} = RF_i \times C_{i\text{meas}} \quad (\text{Eq. 5})$$

Where:

C_{icorr} = Concentration of compound i corrected to the value that would have been measured by EPA Method 25A, ppmv as carbon.

C_{imeas} = Concentration of compound i measured by EPA Method 320, ppmv as carbon.

$$C_{\text{Bq}} = 0.6098 \times C_{i\text{corr}} \quad (\text{Eq. 6})$$

Where:

C_{Peq} = Concentration of compound i in mg of propane equivalent per DSCM.

[40CFR§60.4244(g)]

7.5. Notification, Reports, and Records for Owners and Operators

- 7.5.1. Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.
- a. Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.
1. All notifications submitted to comply with this subpart and all documentation supporting any notification.
 2. Maintenance conducted on the engine.

3. If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90 and 1048.
4. If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards.
[40CFR§60.4245(a)]
- b. For all stationary SI emergency ICE greater than or equal to 500 HP manufactured on or after July 1, 2010, that do not meet the standards applicable to non-emergency engines, the owner or operator of 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. [40CFR§60.4245(b)]
- c. Owners and operators of stationary SI ICE greater than or equal to 500 HP that have not been certified by an engine manufacturer to meet the emission standards in §60.4231 must submit an initial notification as required in §60.7(a)(1). The notification must include the information in paragraphs (c)(1) through (5) of this section.
 1. Name and address of the owner or operator;
 2. The address of the affected source;
 3. Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement;
 4. Emission control equipment; and
 5. Fuel used.[40CFR§60.4245(c)]
- d. Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in §60.4244 within 60 days after the test has been completed. [40CFR§60.4245(d)]

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.

Signature¹

(please use blue ink)

Responsible Official or Authorized Representative

Date

Name & 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 U.S. EPA); or
- d. The designated representative delegated with such authority and approved in advance by the Director.

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Cranberry Pipeline Corporation
Bradley Compressor Station
109-00017

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west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone (304) 926-0475 • FAX: (304) 926-0479

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

February 8, 2016

CERTIFIED MAIL
91 7199 9991 7034 3222 9215

Cranberry Pipeline Corporation
Randy Spencer
900 Lee Street East, Suite 1500
Charleston, WV 25301

RE: **Permit Issuance**
Cranberry Pipeline Corporation
Bradley Station
Permit Application R13-2127G
Plant ID No. 109-00017

Dear Mr. Spencer:

Your application for a permit as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed permit R13-2127G is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

The source is not subject to 45CSR30.

In accordance with 45CSR22 - Air Quality Management Fee Program, the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first obtaining and having in current effect a Certificate to Operate (CTO). Such Certificate to Operate (CTO) shall be renewed annually, shall be maintained on the premises for which the Certificate has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

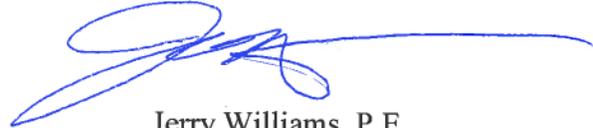
Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board

Promoting a healthy environment.

pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

Should you have any questions or comments, please contact me at (304) 926-0499, extension 1223.

Sincerely,



Jerry Williams, P.E.
Engineer

c: Nathaniel Lanham (SLR)

Permit to Modify



R13- 2127G

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§22-5-1 et seq.) and 45 C.S.R. 13 – Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the above-referenced facility is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:

**Cranberry Pipeline Corporation
Bradley Compressor Station
109-00017**

A handwritten signature in blue ink, appearing to read "William F. Durham", written over a horizontal line.

*William F. Durham
Director*

Issued: February 8, 2016

This permitting action supersedes and replaces R13-2127F issued on July 15, 2013.

Facility Location: Fanrock, Wyoming County, West Virginia
Mailing Address: 900 Lee Street East, Suite 1500, Charleston, WV 25301
Facility Description: Natural gas compressor station
NAICS Codes: 211111
UTM Coordinates: 443.5 km Easting • 4,155.3 km Northing • Zone 17
Permit Type: Modification
Description of Change: Change in emissions from glycol dehydration unit to account for an updated wet gas analysis.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

The source is not subject to 45CSR30.

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1.0. Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
001-03	006	Caterpillar G3508TA Reciprocating Internal Combustion Engine (RICE)	2007	515 hp	None
001-09	009	White Superior 8GT825 RICE	1995	1,100 hp	None
001-0B	012	Caterpillar G3516LE RICE	1997	1,150 hp	None
001-0C	013	Caterpillar G3606TA RICE	2004	1,775 hp	None
001-0A	011	Petrofab TEG Dehydration Unit Still Vent	1995	30 mmscfd	None
001-04	010	Glycol Dehydration Unit Reboiler	1995	2.04 MMBTU/hr	None
Tank10	010	Flash Tank	2013	100 gal	Recycle to Reboiler
001-EG	014	Generac CGNXB9992ST Emergency Generator	2013	28 HP	None
T1	T1E	Pipeline Liquids Storage Tank	2006	500 gal	None
T2	T2E	Pipeline Liquids Storage Tank	2006	2,100 gal	None

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.

2.2. Acronyms

CAAA	Clean Air Act Amendments	NO_x	Nitrogen Oxides
CBI	Confidential Business Information	NSPS	New Source Performance Standards
CEM	Continuous Emission Monitor	PM	Particulate Matter
CES	Certified Emission Statement	PM_{2.5}	Particulate Matter less than 2.5 μm in diameter
C.F.R. or CFR	Code of Federal Regulations	PM₁₀	Particulate Matter less than 10μm in diameter
CO	Carbon Monoxide	Ppb	Pounds per Batch
C.S.R. or CSR	Codes of State Rules	Pph	Pounds per Hour
DAQ	Division of Air Quality	Ppm	Parts per Million
DEP	Department of Environmental Protection	Ppm_v or ppmv	Parts per Million by Volume
dscm	Dry Standard Cubic Meter	PSD	Prevention of Significant Deterioration
FOIA	Freedom of Information Act	Psi	Pounds per Square Inch
HAP	Hazardous Air Pollutant	SIC	Standard Industrial Classification
HON	Hazardous Organic NESHAP	SIP	State Implementation Plan
HP	Horsepower	SO₂	Sulfur Dioxide
lbs/hr	Pounds per Hour	TAP	Toxic Air Pollutant
LDAR	Leak Detection and Repair	TPY	Tons per Year
M	Thousand	TRS	Total Reduced Sulfur
MACT	Maximum Achievable Control Technology	TSP	Total Suspended Particulate
MDHI	Maximum Design Heat Input	USEPA	United States Environmental Protection Agency
MM	Million	UTM	Universal Transverse Mercator
MMBtu/hr or mmbtu/hr	Million British Thermal Units per Hour	VEE	Visual Emissions Evaluation
MMCF/hr or mmcf/hr	Million Cubic Feet per Hour	VOC	Volatile Organic Compounds
NA	Not Applicable	VOL	Volatile Organic Liquids
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		

2.3. Authority

This permit is issued in accordance with West Virginia air pollution control law W.Va. Code §§ 22-5-1. et seq. and the following Legislative Rules promulgated thereunder:

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

2.4. Term and Renewal

- 2.4.1. This permit supersedes and replaces previously issued Permit R13-2127F. This Permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any other applicable legislative rule;

2.5. Duty to Comply

- 2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2127, R13-2127A, R13-2127B, R13-2127C, R13-2127D, R13-2127E, R13-2127F, R13-2127G and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;
[45CSR§§13-5.11 and -10.3.]
- 2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;
- 2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;
- 2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses, and/or approvals from other agencies; i.e., local, state, and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

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

2.7. Duty to Supplement and Correct Information

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

2.8. Administrative Update

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

2.9. Permit Modification

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

2.10 Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.
[45CSR§13-5.1]

2.11. Inspection and Entry

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

- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;
- d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

- 2.12.1. An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to

the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

- 2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are met.
- 2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
 - d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- 2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- 2.12.5. The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

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

2.14. Suspension of Activities

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

2.15. Property Rights

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

2.16. Severability

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

2.17. Transferability

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

2.18. Notification Requirements

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

2.19. Credible Evidence

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

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management, and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1] *[State Enforceable Only]*
- 3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]
- 3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11.
[45CSR§11-5.2.]

3.2. Monitoring Requirements

[Reserved]

3.3. Testing Requirements

- 3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents.

The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.
- b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.
- c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.
- d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the 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; and,
 3. A statement of compliance or noncompliance with each permit or rule condition.

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

3.4. Recordkeeping Requirements

- 3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports, and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Said records shall be maintained on site or in a readily accessible off-site location maintained by the permittee for a period of five (5) years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.
- 3.4.2. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.
[45CSR§4. State Enforceable Only.]

3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- 3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
- 3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

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

If to the US EPA:

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

3.5.4. Operating Fee

3.5.4.1. In accordance with 45CSR22 – Air Quality Management Fee Program, the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first obtaining and having in current effect a Certificate to Operate (CTO). Such Certificate to Operate (CTO) shall be renewed annually, shall be maintained on the premises for which the certificate has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

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

4.0. Source-Specific Requirements

4.1. Limitations and Standards

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

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

4.1.2. **Minor Source of Hazardous Air Pollutants (HAP).** HAP emissions from the facility shall be less than 10 tons/year of any single HAP and 25 tons/year of any combination of HAPs. Compliance with this Section shall ensure that the facility is a minor HAP source.

4.1.3. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate the control devices listed in Section 1.1 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR§13-5.11.]

4.1.4. **Record of Malfunctions of Air Pollution Control Equipment.** For the control devices listed in Section 1.1, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

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

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

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

4.1.5. The permittee shall install, maintain, and operate all above-ground piping, valves, pumps, etc. that service lines in the transport of potential sources of regulated air pollutants to minimize any fugitive escape of regulated air pollutants (leak). Any above-ground piping, valves, pumps, etc. that shows signs of excess wear and that have a reasonable potential for fugitive emissions of regulated air pollutants shall be replaced.

- 4.1.6. The permittee shall monitor and maintain quarterly records (calendar year) for each facility component that was inspected for fugitive escape of regulated air pollutants. Each component shall operate with no detectable emissions, as determined using audio-visual-olfactory (AVO) inspections, USEPA 40CFR60 Method 21, USEPA alternative work practice to detect leaks from equipment using optical gas imaging (OGI) camera (ex. FLIR camera), or some combination thereof. AVO inspections shall include, but not limited to, defects as visible cracks, holes, or gaps in piping; loose connections; liquid leaks; or broken or missing caps or other closure devices. If permittee uses USEPA Method 21, then no detectable emissions is defined as less than 500 ppm in accordance with Method 21. If permittee uses an OGI camera, then no detectable emissions is defined as no visible leaks detected in accordance with USEPA alternative OGI work practices.

If any leak is detected, the permittee shall repair the leak as soon as possible. The first attempt at repair must be made within five (5) calendar days of discovering the leak, and the final repair must be made within fifteen (15) calendar days of discovering the leak. The permittee shall record each leak detected and the associated repair. The leak will not be considered repaired until the same monitoring method or a more detailed instrument determines the leak is repaired.

Delay of repair of a closed vent system for which leaks or defects have been detected is allowed if the repair is technically infeasible without a shutdown, or if you determine that emissions resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair. You must complete repair of such equipment by the end of the next shutdown.
[45CSR§13-5.11.]

5.0. Source-Specific Requirements (Engines, 006, 009, 012, 013, 014)

5.1. Limitations and Standards

- 5.1.1. To demonstrate compliance with Section 5.1.2, the quantity of natural gas that shall be consumed in the 515 hp natural gas fired reciprocating engine, Caterpillar G3508TA (006) shall not exceed 3,939 cubic feet per hour and 34.50×10^6 cubic feet per year.
- 5.1.2. Maximum emissions from the 515 hp natural gas fired reciprocating engine, Caterpillar G3508TA (006) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Nitrogen Oxides	2.27	9.94
Carbon Monoxide	1.71	7.45
Volatile Organic Compounds	0.44	1.94
Formaldehyde	0.20	0.87

- 5.1.3. To demonstrate compliance with Section 5.1.4, the quantity of natural gas that shall be consumed in the 1,100 hp natural gas fired reciprocating engine, White Superior 8GT825 (009) shall not exceed 7,841 cubic feet per hour and 68.68×10^6 cubic feet per year.
- 5.1.4. Maximum emissions from the 1,100 hp natural gas fired reciprocating engine, White Superior 8GT825 (009) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Nitrogen Oxides	4.85	21.23
Carbon Monoxide	7.27	31.84
Volatile Organic Compounds	0.95	4.14
Formaldehyde	0.42	1.85

- 5.1.5. To demonstrate compliance with Section 5.1.6, the quantity of natural gas that shall be consumed in the 1,150 hp natural gas fired reciprocating engine, Caterpillar G3516LE (012) shall not exceed 8,359 cubic feet per hour and 73.22×10^6 cubic feet per year.
- 5.1.6. Maximum emissions from the 1,150 hp natural gas fired reciprocating engine, Caterpillar G3516LE (012) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Nitrogen Oxides	4.56	19.97
Carbon Monoxide	3.80	16.65
Volatile Organic Compounds	0.99	4.32
Formaldehyde	0.44	1.94

- 5.1.7. To demonstrate compliance with Section 5.1.8, the quantity of natural gas that shall be consumed in the 1,775 hp natural gas fired reciprocating engine, Caterpillar G3606TA (013) shall not exceed 11,520 cubic feet per hour and 100.92×10^6 cubic feet per year.

- 5.1.8. Maximum emissions from the 1,775 hp natural gas fired reciprocating engine, Caterpillar G3606TA (013) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Nitrogen Oxides	2.74	11.99
Carbon Monoxide	9.62	42.13
Volatile Organic Compounds	1.53	6.67
Formaldehyde	0.68	2.99

- 5.1.9. **Maximum Yearly Operation Limitation.** The maximum yearly hours of operation for the 28 hp Generac CGNXB9992ST natural gas fired emergency generator, (014) shall not exceed 500 hours per year. Compliance with the Maximum Yearly Operation Limitation shall be determined using a twelve month rolling total. A twelve month rolling total shall mean the sum of the hours of operation at any given time during the previous twelve consecutive calendar months.

5.2. Recordkeeping Requirements

- 5.2.1. To demonstrate compliance with sections 5.1.1-5.1.9, the permittee shall maintain records of the amount of natural gas consumed in each engine and the hours of operation of each engine. Said records shall be maintained on site or in a readily accessible off-site location maintained by the permittee for a period of five (5) years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.

6.0. Source-Specific Hazardous Air Pollutant Requirements (Natural Gas Dehydration Unit - 011)

6.1. Limitations and Standards

- 6.1.1. **Maximum Throughput Limitation.** The maximum dry natural gas throughput to the glycol dehydration unit/still column (011) shall not exceed 30 million standard cubic feet per day (mmscfd). Compliance with the Maximum Throughput Limitation shall be determined using a twelve month rolling total. A twelve month rolling total shall mean the sum of the monthly throughput at any given time during the previous twelve consecutive calendar months.
- 6.1.2. Maximum emissions from the 30 mmscfd glycol dehydration unit/still column (011) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Volatile Organic Compounds	11.92	52.18
Benzene	0.39	1.70
Toluene	0.67	2.93
Ethylbenzene	1.01	4.44
Xylene	1.35	5.91

- 6.1.3. For purposes of determining potential HAP emissions at production-related facilities, the methods specified in 40 CFR 63, Subpart HH (i.e. excluding compressor engines from HAP PTE) shall be used.
- 6.1.4. Any source that determines it is not a major source but has actual emissions of 5 tons per year or more of a single HAP, or 12.5 tons per year or more of a combination of HAP (i.e., 50 percent of the major source thresholds), shall update its major source determination within 1 year of the prior determination or October 15, 2012, whichever is later, and each year thereafter, using gas composition data measured during the preceding 12 months.
[40CFR§63.760(c)]

6.2. Monitoring Requirements

- 6.2.1. The permittee shall monitor the throughput of dry natural gas fed to the dehydration system (011) on a monthly basis.
- 6.2.2. In order to demonstrate compliance with the area source status, claimed within sections 6.1.2 and 6.1.3, the following parameters shall be measured at least once quarterly, with the exception of natural gas flowrate annual daily average, natural gas flowrate maximum design capacity, and wet gas composition, in order to define annual average values or, if monitoring is not practical, some parameters may be assigned default values as listed below.
- a. Natural Gas Flowrate
 - i. Operating hours per quarter
 - ii. Quarterly throughput (MMscf/quarter)
 - iii. Annual daily average (MMscf/day), and
 - iv. Maximum design capacity (MMscf/day)
 - b. Absorber temperature and pressure
 - c. Lean glycol circulation rate
 - d. Glycol pump type and maximum design capacity (gpm)
 - e. Flash tank temperature and pressure, if applicable
 - f. Stripping Gas flow rate, if applicable

- g. Wet gas composition (upstream of the absorber – dehydration column) sampled in accordance with GPA method 2166 and analyzed consistent with GPA extended method 2286 as well as the procedures presented in the GRI-GLYCalc™ Technical Reference User Manual and Handbook V4
- h. Wet gas water content (lbs H₂O/MMscf)
- i. Dry gas water content (lbs H₂O/MMscf) at a point directly after exiting the dehydration column and before any additional separation points

The following operating parameter(s) may be assigned default values when using GRI-GLYCalc:

- a. Dry gas water content can be assumed to be equivalent to pipeline quality at 7 lb H₂O / MMscf
- b. Wet gas water content can be assumed to be saturated
- c. Lean glycol water content if not directly measured may use the default value of 1.5 % water as established by GRI
- d. Lean glycol circulation rate may be estimated using the TEG recirculation ratio of 3 gal TEG / lb H₂O removed.

Note: If you are measuring and using actual wet or dry gas water content, then you should also measure the glycol recirculation rate rather than using the default TEG recirculation ratio.

[45CSR§13-5.11, §63.772(b)(2)(i)]

6.3. Testing Requirements

- 6.3.1. Compliance with Section 4.1.2, shall be determined by using GRI-GlyCalc Version 3.0 or higher, sampled in accordance with the Gas Processor Association GPA Method 2166 and analyzed in accordance with Method 2286. Representative gas sample collection and analysis frequency for dehydration units shall be determined based on the level of HAP emissions from the glycol dehydration unit of the affected facility as set forth in the schedule provided in the table below. The minimum frequency stated in the table does not relieve the affected facility from the requirement to appropriately account for process or feed gas changes that could affect minor source status or prevent the affected facility from conducting more frequent sampling and analysis and producing a representative average composition.

Wet Gas Sampling and Analysis Frequency for Dehydration Units Based on Potential HAP Emission Rates	
Permitted Emission Rate as a Percentage of Major Individual (10 TPY) or Total HAPs (25 TPY) Thresholds in TPY or a Percentage of Benzene Emissions as determined by GRI-GlyCalc v. 3.0 or higher	Minimum Default Frequency
Every dehydration unit (regardless of permitted emission rate)	An initial compliance test within 180 days of permit issuance or within 180 days of start-up of the dehydration unit, whichever is later
Every dehydration unit at or above 95% of HAPs major source levels	The permittee shall sample and perform a wet gas analysis at least once each year for determining compliance with the HAP limits in the issued General Permit Registration per the procedures in Section

	6.3.
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Note: The DAQ defines a representative wet gas sample to be one that is characteristic of the average gas composition dehydrated throughout a calendar year. If an isolated sample is not indicative of the annual average composition, then a company may opt to produce a weighted average based on throughput between multiple sampling events, which can be used to define a more representative average annual gas composition profile.

6.3.2. The following testing and compliance provisions of Part 63 Subpart HH National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities are applicable to the facility:

§ 63.772 Test methods, compliance procedures, and compliance demonstrations.

(b) Determination of glycol dehydration unit flowrate, benzene emissions, or BTEX emissions. The procedures of this paragraph shall be used by an owner or operator to determine glycol dehydration unit natural gas flowrate, benzene emissions, or BTEX emissions.

(2) The determination of actual average benzene emissions or BTEX emissions from a glycol dehydration unit shall be made using the procedures of paragraph (b)(2)(i) of this requirement. Emissions shall be determined either uncontrolled, or with federally enforceable controls in place.

(i) The owner or operator shall determine actual average benzene emissions using the model GRI-GLYCalc™, Version 3.0 or higher, and the procedures presented in the associated GRI-GLYCalc™ Technical Reference Manual. Inputs to the model shall be representative of actual operating conditions of the glycol dehydration unit and may be determined using the procedures documented in Gas Research Institute (GRI) report entitled "Atmospheric Rich/Lean Method for Determining Glycol Dehydrator Emissions" (GRI-95/0368.1).

[§63.772(b)(2)(i)]

6.4. Recordkeeping Requirements

6.4.1. The permittee shall maintain a record of the monthly dry natural gas throughput through the glycol dehydration units to demonstrate compliance with section 6.1.1 of this permit. Said records shall be maintained for a period of five (5) years on site or in a readily accessible off-site location maintained by the permittee. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.

6.4.2. For the purpose of demonstrating compliance with the limits set forth in section 4.1.2, the permittee shall maintain records of the flow rate measurements and wet gas analysis made during the initial compliance determination or subsequent compliance determinations in accordance with Section 6.3. Said records shall be maintained for a period of five (5) years on site or in a readily accessible off-site location maintained by the permittee. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.

6.4.3. The permittee shall maintain records of the GLYCalc analysis as required by section 6.3 of this permit. Said records shall include a printout of the aggregate calculations report, which shall include emissions reports, equipment reports, and stream reports. The permittee shall maintain bi-

monthly records of the input parameters required by section 6.2.2. Such records shall be retained for at least 5 years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. A responsible official shall certify any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director.

6.5. Reporting Requirements

- 6.5.1. The permittee shall submit the wet gas analysis report required by section 6.3.1 of this permit within 60 days of conducting the sampling of the wet gas stream as required. This report shall include a potential to emit (PTE) estimate using GRI-GlyCalc Version 3.0 or higher, incorporating the specific parameters measured as referenced in section 6.2.2, as well as a copy of the laboratory analysis.
- 6.5.2. If the results of the compliance determination conducted as required in Section 6.3 predict the emission(s) to be greater than 9.4 tons per year for any single HAP, or a combined total of HAPs greater than 24.4 tons per year, the permittee shall submit such determination and all supporting documentation to the Director within 15 days after making such determination.

7.0. Source-Specific Hazardous Air Pollutant Requirements (Natural Gas Dehydration Flash Tank being controlled by Recycling the Flash Tank Back to Flame Zone of Reboiler)

7.1. Limitations and Standards

7.1.1. Maximum emissions from the TEG Dehydrator Flash Tank (010) controlled by a recycling the flash tank back to the flame zone of the reboiler shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Volatile Organic Compounds	0.11	0.48

7.1.2. For purposes of determining potential HAP emissions at production-related facilities, the methods specified in 40 CFR 63, Subpart HH (i.e. excluding compressor engines from HAP PTE) shall be used.

7.1.3. Recycled reboilers shall be designed and operated in accordance with the following:

- a. The vapors/overheads from the flash tank shall be routed through a closed vent system to the reboiler at all times when there is a potential that vapors (emissions) can be generated from the flash tank.
- b. The reboiler shall only be fired with vapors from the flash tank, and natural gas may be used as supplemental fuel.
- c. The vapors/overheads from the flash tank shall be introduced into the flame zone of the reboiler.

7.2. Monitoring Requirements

7.2.1. The permittee shall monitor the throughput of wet natural gas fed to the dehydration system on a monthly basis for the glycol dehydration unit.

8.0. Source-Specific Requirements (40CFR60 Subpart JJJJ Requirements, Generac Emergency Generator (014))

8.1. Limitations and Standards

- 8.1.1. The provisions of this subpart are applicable to owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified below. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.
- a. Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured:
 1. *Reserved;*
 2. *Reserved;*
 3. on or after July 1, 2008, for engines with a maximum engine power less than 500 HP; or
 4. *Reserved.*
 - b. Owners and operators of stationary SI ICE that commence modification or reconstruction after June 12, 2006.
[40CFR§60.4230(a)]
- 8.1.2. The provisions of this subpart are not applicable to stationary SI ICE being tested at an engine test cell/stand. **[40CFR§60.4230(b)]**
- 8.1.3. If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable. **[40CFR§60.4230(c)]**
- 8.1.4. Stationary SI ICE may be eligible for exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C (or the exemptions described in 40 CFR parts 90 and 1048, for engines that would need to be certified to standards in those parts), except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security. **[40CFR§60.4230(e)]**
- 8.1.5. Owners and operators of facilities with internal combustion engines that are acting as temporary replacement units and that are located at a stationary source for less than 1 year and that have been properly certified as meeting the standards that would be applicable to such engine under the appropriate nonroad engine provisions, are not required to meet any other provisions under this subpart with regard to such engines. **[40CFR§60.4230(f)]**

8.2. Emission Standards for Owners and Operators

- 8.2.1. Owners and operators of stationary SI ICE that are required to meet standards that reference 40 CFR 1048.101 must, if testing their engines in use, meet the standards in that section applicable to field testing, except as indicated in paragraph (e) of this section. **[40CFR§60.4233(h)]**
- 8.2.2. Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in §60.4233 over the entire life of the engine. **[40CFR§60.4234]**

8.3. Other Requirements for Owners and Operators

- 8.3.1. After July 1, 2010, owners and operators may not install stationary SI ICE with a maximum engine power of less than 500 HP that do not meet the applicable requirements in §60.4233. **[40CFR§60.4236(a)]**
- 8.3.2. For emergency stationary SI ICE with a maximum engine power of greater than 19 KW (25 HP), owners and operators may not install engines that do not meet the applicable requirements in §60.4233 after January 1, 2011. **[40CFR§60.4236(c)]**
- 8.3.3. In addition to the requirements specified in §§60.4231 and 60.4233, it is prohibited to import stationary SI ICE less than or equal to 19 KW (25 HP), stationary rich burn LPG SI ICE, and stationary gasoline SI ICE that do not meet the applicable requirements specified in paragraphs (a), (b), and (c) of this section, after the date specified in paragraph (a), (b), and (c) of this section. **[40CFR§60.4236(d)]**
- 8.3.4. The requirements of this section do not apply to owners and operators of stationary SI ICE that have been modified or reconstructed, and they do not apply to engines that were removed from one existing location and reinstalled at a new location. **[40CFR§60.4236(e)]**

8.4. Compliance Requirements for Owners and Operators

- 8.4.1. If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in §60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of this section.
 - a. Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.
 - b. Purchasing a non-certified engine and demonstrating compliance with the emission standards specified in §60.4233(d) or (e) and according to the requirements specified in §60.4244, as applicable, and according to paragraphs (b)(2)(i) and (ii) of this section.
 1. If you are an owner or operator of a stationary SI internal combustion engine greater than 25 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance.
 2. If you are an owner or operator of a stationary SI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance. **[40CFR§60.4243(b)]**
- 8.4.2. If you are an owner or operator of a stationary SI internal combustion engine that must comply with the emission standards specified in §60.4233(f), you must demonstrate compliance according paragraph (b)(2)(i) or (ii) of this section, except that if you comply according to paragraph (b)(2)(i) of this section, you demonstrate that your non-certified engine complies with the emission standards specified in §60.4233(f). **[40CFR§60.4243(c)]**
- 8.4.3. Emergency stationary ICE may be operated 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. There is no time limit on the use of emergency stationary ICE in emergency situations. 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 ICE beyond 100 hours per year. Emergency stationary ICE may operate 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. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in this section, is prohibited. [40CFR§60.4243(d)]

- 8.4.4. Owners and operators of stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of §60.4233. [40CFR§60.4243(e)]

8.5. Testing Requirements for Owners and Operators

- 8.5.1. Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of this section.
- a. Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 to this subpart. [40CFR§60.4244(a)]
 - b. You may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If your stationary SI internal combustion engine is non-operational, you do not need to startup the engine solely to conduct a performance test; however, you must conduct the performance test immediately upon startup of the engine. [40CFR§60.4244(b)]
 - c. You must conduct three separate test runs for each performance test required in this section, as specified in §60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour. [40CFR§60.4244(c)]
 - d. To determine compliance with the NO_x mass per unit output emission limitation, convert the concentration of NO_x in the engine exhaust using Equation 1 of this section:

$$ER = \frac{C_d \times 1.912 \times 10^{-3} \times Q \times T}{HP - hr} \quad (\text{Eq. 1})$$

Where:

ER = Emission rate of NO_x in g/HP-hr.

C_d = Measured NO_x concentration in parts per million by volume (ppmv).

1.912×10⁻³ = Conversion constant for ppm NO_x to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meter per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, horsepower-hour (HP-hr).

[40CFR§60.4244(d)]

- e. To determine compliance with the CO mass per unit output emission limitation, convert the concentration of CO in the engine exhaust using Equation 2 of this section:

$$ER = \frac{C_d \times 1.164 \times 10^{-3} \times Q \times T}{HP - hr} \quad (\text{Eq. 2})$$

Where:

ER = Emission rate of CO in g/HP-hr.

C_d = Measured CO concentration in ppmv.

1.164×10⁻³ = Conversion constant for ppm CO to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

[40CFR§60.4244(e)]

- f. For purposes of this subpart, when calculating emissions of VOC, emissions of formaldehyde should not be included. To determine compliance with the VOC mass per unit output emission limitation, convert the concentration of VOC in the engine exhaust using Equation 3 of this section:

$$ER = \frac{C_d \times 1.833 \times 10^{-3} \times Q \times T}{HP - hr} \quad (\text{Eq. 3})$$

Where:

ER = Emission rate of VOC in g/HP-hr.

C_d = VOC concentration measured as propane in ppmv.

1.833×10⁻³ = Conversion constant for ppm VOC measured as propane, to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

[40CFR§60.4244(f)]

- g. If the owner/operator chooses to measure VOC emissions using either Method 18 of 40 CFR part 60, appendix A, or Method 320 of 40 CFR part 63, appendix A, then it has the option of

correcting the measured VOC emissions to account for the potential differences in measured values between these methods and Method 25A. The results from Method 18 and Method 320 can be corrected for response factor differences using Equations 4 and 5 of this section. The corrected VOC concentration can then be placed on a propane basis using Equation 6 of this section.

$$RF_i = \frac{C_{Mi}}{C_{Ai}} \quad (\text{Eq. 4})$$

Where:

RF_i = Response factor of compound i when measured with EPA Method 25A.

C_{Mi} = Measured concentration of compound i in ppmv as carbon.

C_{Ai} = True concentration of compound i in ppmv as carbon.

$$C_{icorr} = RF_i \times C_{imeas} \quad (\text{Eq. 5})$$

Where:

C_{icorr} = Concentration of compound i corrected to the value that would have been measured by EPA Method 25A, ppmv as carbon.

C_{imeas} = Concentration of compound i measured by EPA Method 320, ppmv as carbon.

$$C_{P_{eq}} = 0.6098 \times C_{icorr} \quad (\text{Eq. 6})$$

Where:

$C_{P_{eq}}$ = Concentration of compound i in mg of propane equivalent per DSCM.

[40CFR§60.4244(g)]

8.6. Notification, Reports, and Records for Owners and Operators

8.6.1. Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

- a. Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.
 1. All notifications submitted to comply with this subpart and all documentation supporting any notification.
 2. Maintenance conducted on the engine.
 3. If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90 and 1048.
 4. If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards.

[40CFR§60.4245(a)]

b. *Reserved;*

c. *Reserved;*

- d. Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in §60.4244 within 60 days after the test has been completed. [40CFR§60.4245(d)]

9.0. Source-Specific Requirements (40CFR60 Subpart OOOO Requirements, Generac Emergency Generator (014))

9.1. Limitations and Standards

- 9.1.1. You must comply with the standards in paragraphs (a) through (d) of this section for each reciprocating compressor affected facility.
- (a) You must replace the reciprocating compressor rod packing according to either paragraph (a)(1) or (2) of this section or you must comply with paragraph (a)(3) of this section.
 - (1) Before the compressor has operated for 26,000 hours. The number of hours of operation must be continuously monitored beginning upon initial startup of your reciprocating compressor affected facility, or October 15, 2012, or the date of the most recent reciprocating compressor rod packing replacement, whichever is later.
 - (2) Prior to 36 months from the date of the most recent rod packing replacement, or 36 months from the date of startup for a new reciprocating compressor for which the rod packing has not yet been replaced.
 - (3) Collect the emissions from the rod packing using a rod packing emissions collection system which operates under negative pressure and route the rod packing emissions to a process through a closed vent system that meets the requirements of §60.5411(a).
 - (b) You must demonstrate initial compliance with standards that apply to reciprocating compressor affected facilities as required by §60.5410.
 - (c) You must demonstrate continuous compliance with standards that apply to reciprocating compressor affected facilities as required by §60.5415.
 - (d) You must perform the required notification, recordkeeping, and reporting as required by §60.5420.

[40CFR§60.5385, Reciprocating Compressor Engines]

9.2. Initial Compliance Demonstration

- 9.2.1. You must determine initial compliance with the standards for each affected facility using the requirements in paragraph (c) of this section. The initial compliance period begins on October 15, 2012 or upon initial startup, whichever is later, and ends no later than one year after the initial startup date for your affected facility or no later than one year after October 15, 2012. The initial compliance period may be less than one full year.
- (c) To achieve initial compliance with the standards for each reciprocating compressor affected facility you must comply with paragraphs (c)(1) through (4) of this section.
 - (1) If complying with §60.5385(a)(1) or (2), during the initial compliance period, you must continuously monitor the number of hours of operation or track the number of months since the last rod packing replacement.
 - (2) If complying with §60.5385(a)(3), you must operate the rod packing emissions collection system under negative pressure and route emissions to a process through a closed vent system that meets the requirements of §60.5411(a).

- (3) You must submit the initial annual report for your reciprocating compressor as required in §60.5420(b).
- (4) You must maintain the records as specified in §60.5420(c)(3) for each reciprocating compressor affected facility. [40CFR§60.5410]

9.3. Continuous Compliance Demonstration

- 9.3.1. For each reciprocating compressor affected facility, you must demonstrate continuous compliance according to paragraphs (1) through (3) of this section.
 - (1) You must continuously monitor the number of hours of operation for each reciprocating compressor affected facility or track the number of months since initial startup, or October 15, 2012, or the date of the most recent reciprocating compressor rod packing replacement, whichever is later.
 - (2) You must submit the annual report as required in § 60.5420(b) and maintain records as required in § 60.5420(c)(3).
 - (3) You must replace the reciprocating compressor rod packing before the total number of hours of operation reaches 26,000 hours or the number of months since the most recent rod packing replacement reaches 36 months. [40CFR§60.5415]

9.4. Notification, Recordkeeping and Reporting Requirements

- 9.4.1. You must submit the notifications required in § 60.7(a)(1) and (4), and according to paragraphs (a)(1) and (2) of this section, if you own or operate one or more of the affected facilities specified in § 60.5365 that was constructed, modified, or reconstructed during the reporting period.
- 9.4.2. Reporting requirements. You must submit annual reports containing the information specified in paragraphs (b)(4) of this section to the Administrator and performance test reports as specified in paragraph (b)(7) of this section. The initial annual report is due 30 days after the end of the initial compliance period as determined according to § 60.5410. Subsequent annual reports are due on the same date each year as the initial annual report. If you own or operate more than one affected facility, you may submit one report for multiple affected facilities provided the report contains all of the information required as specified in paragraphs (b)(1) through (6) of this section. Annual reports may coincide with title V reports as long as all the required elements of the annual report are included. You may arrange with the Administrator a common schedule on which reports required by this part may be submitted as long as the schedule does not extend the reporting period.
 - (1) The general information specified in paragraphs (b)(1)(i) through (iv) of this section.
 - (i) The company name and address of the affected facility.
 - (ii) An identification of each affected facility being included in the annual report.
 - (iii) Beginning and ending dates of the reporting period.
 - (iv) A certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(4) For each reciprocating compressor affected facility, the information specified in paragraphs (b)(4)(i) through (ii) of this section.

(i) The cumulative number of hours of operation or the number of months since initial startup, October 15, 2012, or since the previous reciprocating compressor rod packing replacement, whichever is later.

(ii) Records of deviations specified in paragraph (c)(3)(iii) of this section that occurred during the reporting period.

(7)(i) Within 60 days after the date of completing each performance test (see § 60.8 of this part) as required by this subpart you must submit the results of the performance tests required by this subpart to EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of EPA's Electronic Reporting Tool (ERT) (see <http://www.epa.gov/ttn/chief/ert/index.html>). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. Owners or operators who claim that some of the information being submitted for performance tests is confidential business information (CBI) must submit a complete ERT file including information claimed to be CBI on a compact disk or other commonly used electronic storage media (including, but not limited to, flash drives) to EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAPQS/CORE CBI Office, Attention: WebFIRE Administrator, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT file with the CBI omitted must be submitted to EPA via CDX as described earlier in this paragraph. At the discretion of the delegated authority, you must also submit these reports, including the confidential business information, to the delegated authority in the format specified by the delegated authority.

(ii) All reports required by this subpart not subject to the requirements in paragraph (a)(2)(i) of this section must be sent to the Administrator at the appropriate address listed in § 63.13 of this part. The Administrator or the delegated authority may request a report in any form suitable for the specific case (e.g., by commonly used electronic media such as Excel spreadsheet, on CD or hard copy). The Administrator retains the right to require submittal of reports subject to paragraph (a)(2)(i) and (ii) of this section in paper format.

[40CFR§60.5420]

9.4.3. Recordkeeping requirements. You must maintain the records identified as specified in § 60.7(f) and in paragraph (c)(1) of this section. All records must be maintained for at least 5 years.

(3) For each reciprocating compressors affected facility, you must maintain the records in paragraphs (c)(3)(i) through (iii) of this section.

(i) Records of the cumulative number of hours of operation or number of months since initial startup or October 15, 2012, or the previous replacement of the reciprocating compressor rod packing, whichever is later.

(ii) Records of the date and time of each reciprocating compressor rod packing replacement.

(iii) Records of deviations in cases where the reciprocating compressor was not operated in compliance with the requirements specified in § 60.5385.

[40CFR§60.5420]

10.0. Source-Specific Requirements (40CFR63 Subpart ZZZZ Requirements, Generac Emergency Generator (014))

10.1. Limitations and Standards

10.1.1. The permittee must comply with the applicable operating limitations in this section no later than October 19, 2013.
[40 C.F.R. § 63.6595(a)]

10.1.2. *Stationary RICE subject to Regulation under 40 CFR Part 60.* An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

The permittee meets the criteria of paragraph (c)(1), which is for a new or reconstructed stationary RICE located at an area source. The permittee must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart JJJJ.

11.0. Source-Specific Requirements (Reboiler (010))

11.1. Limitations and Standards

- 11.1.1. **Maximum Design Heat Input.** The maximum design heat input (MDHI) for the glycol dehydration reboiler shall not exceed 2.04 MMBTU/hr.
- 11.1.2. 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.
[45CSR§2-3.1.]

11.2. Monitoring Requirements

- 11.2.1. At such reasonable times as the Secretary may designate, the permittee shall conduct Method 9 emission observations for the purpose of demonstrating compliance with Section 11.1.2. Method 9 shall be conducted in accordance with 40 CFR 60 Appendix A.

11.3. Testing Requirements

- 11.3.1. Compliance with the visible emission requirements of section 11.1.2 shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 or by using measurements from continuous opacity monitoring systems approved by the Director. The Director may require the installation, calibration, maintenance and operation of continuous opacity monitoring systems and may establish policies for the evaluation of continuous opacity monitoring results and the determination of compliance with the visible emission requirements of section 11.1.2. Continuous opacity monitors shall not be required on fuel burning units which employ wet scrubbing systems for emission control.
[45CSR§2-3.2.]

11.4. Recordkeeping Requirements

- 11.4.1. The permittee shall maintain records of all monitoring data required by Section 11.2.1 documenting the date and time of each visible emission check, the emission point or equipment/source identification number, the name or means of identification of the observer, the results of the check(s), whether the visible emissions are normal for the process, and, if applicable, all corrective measures taken or planned. The permittee shall also record the general weather conditions (i.e. sunny, approximately 80°F, 6 - 10 mph NE wind) during the visual emission check(s). Should a visible emission observation be required to be performed per the requirements specified in Method 9, the data records of each observation shall be maintained per the requirements of Method 9.

11.5. Reporting Requirements

- 11.5.1. Any deviation(s) from the allowable visible emission requirement for any emission source discovered during observations using 40CFR Part 60, Appendix A, Method 9 or 22 shall be reported in writing to the Director of the Division of Air Quality as soon as practicable, but in any case within ten (10) calendar days of the occurrence and shall include at least the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

12.0. Source-Specific Requirements (Pipeline Liquids Tanks (T1, T2) and Pipeline Liquids Truck Loading (TL))

12.1. Limitations and Standards

- 12.1.1. The Pipeline Liquids Truck Loading (TL) shall be operated in accordance with the plans and specifications filed in Permit Application R13-2127G.
- 12.1.2. The maximum tank throughput (T1, T2) and quantity of pipeline liquids that shall be loaded (TL) shall not exceed 153,300 gallons per year. Compliance with this limit shall be demonstrated using a twelve month rolling total. A twelve month rolling total shall mean the sum of the monthly throughput at any given time during the previous twelve consecutive calendar months.

12.2. Recordkeeping Requirements

- 12.2.1. For the purpose of demonstrating compliance with section 12.1.2, the permittee shall maintain records of maximum tank throughput (T1, T2) and quantity of pipeline liquids loaded (TL) on a monthly basis.
- 12.2.2. All records required under Section 12.2 shall be maintained on site or in a readily accessible off-site location maintained by the permittee for a period of five (5) years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.

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.

Signature¹
(please use blue ink)

Responsible Official or Authorized Representative

Date

Name & 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 U.S. EPA); or
- d. The designated representative delegated with such authority and approved in advance by the Director.