

20615

Table 4a. PSD Point Source Inventory for the 1-hour NO₂ and SO₂ NAAQS

Unit Description				Stack Parameters								In-Stack NO ₂ /NO _x Ratio		
Modeled Source ID	Permitted Source ID	Source Description	Construction Date	Modification Date	UTM NAD 83 Easting m	UTM NAD 83 Northing m	AERMAP NED 1 arc-sec Elevation m	Stack Release Height ft	Stack Exit Temperature °F	Stack Exit Velocity fps	Stack Exit Diameter in	NO _x lb/hr	SO ₂ lb/hr	
Georgia - Bulloch County AIRS 03100002 Tillman & Deal Farm Supply Inc														
0310000201		1 Grain Dryer	1978		428,060.20	3,593,728.40	51.88	40.0	78	7.60	14.00	1.421E+00	1.639E-01	0.50
Georgia - Bulloch County AIRS 031000114 Reeves Construction Company Plant #10														
0310001101		Hot Mix Asphalt Plant Dryer Stack	unk		420,058.18	3,582,140.49	52.01	28.5	286	64.25	42.00	1.376E+01	1.271E+02	0.50
Georgia - Bulloch County AIRS 03100020 Braswell A M Food Co Inc														
0310002001		1-1 200-hp Filz Gibbon Boiler	1969		424,828.60	3,592,263.20	76.30	30.0	350	17.32	18.00	6.604E-01	3.395E+00	0.50
0310002002		1-2 100-hp Tillusville Boiler	1964		424,828.60	3,592,263.20	76.30	40.0	350	8.66	18.00	3.256E-01	1.954E-03	0.50
Georgia - Bulloch County AIRS 03100038 Robbina Packing Co														
0310003802		2 80-hp Boiler	1949		426,982.90	3,591,349.30	61.71	40.0	425	21.00	24.00	3.256E-01	1.954E-03	0.50
0310003803		3 100-hp Boiler	1949		426,982.90	3,591,349.30	61.71	40.0	425	21.00	24.00	3.256E-01	1.954E-03	0.50
Georgia - Bulloch County AIRS 03100044 Briggs & Stratton														
031000441B		P01 P01B Aluminum Melting Tower and Furnace	1995	2001	420,753.57	3,583,049.15	61.40	32.0	350	47.16	36.00	3.700E+00	1.000E-02	0.50
0310004402		P02 Die Casting Machines	1995		420,753.57	3,583,049.15	61.40	32.0	200	50.88	64.00	8.000E-02	1.700E-01	0.50
031000445A		P05A Stress Relief Oven	1995		420,753.57	3,583,049.15	61.40	32.0	305	49.62	28.00	6.100E-01	2.400E-03	0.50
031000446A		P06A Four-stage Aqueous Parts Washer	1995		420,753.57	3,583,049.15	61.40	32.0	105	47.33	52.00	3.100E-01	1.200E-03	0.50
0310004407		P07 Engine Testing Stations	1995		420,753.57	3,583,049.15	61.40	42.0	74	8.10	32.50	4.800E-03	3.000E-02	0.50
0310004411		P11 Dynamometer Testing Stands	1995		420,753.57	3,583,049.15	61.40	32.0	74	91.13	32.50	1.200E-01	1.000E-02	0.50
0310004412		P12 Epoxy Drying Ovens	2004		420,753.57	3,583,049.15	61.40	32.0	249	48.47	18.00	3.100E-01	1.200E-03	0.50
0310004413		P13 Outdoor Endurance Test Stands	2005		420,753.57	3,583,049.15	61.40	32.0	74	52.07	32.50	1.200E-01	1.000E-02	0.50
03100044B1		B10A Boiler	1965		420,753.57	3,583,049.15	61.40	32.0	121	49.27	14.00	2.580E+00	1.000E-02	0.50
Georgia - Bulloch County AIRS 03100052 East Georgia Regional Medical Center														
03100052B1		B1 Cleaver-Brooks CB200-300-125HW Boiler	1999		427,535.99	3,586,613.82	64.02	27.8	325	27.69	20.00	1.221E+00	7.325E-03	0.50
<i>Boiler B1 uses natural gas as primary fuel. No. 2 fuel oil as backup during emergency (R/18/1999 #11635 Section III-A form); NOx and SO2 emission scenario are "intermittent" for the 1-hour NAAQS</i>														
03100052B2		B2 Cleaver-Brooks CB200-300-125HW Boiler	1999		427,535.99	3,586,613.82	64.02	27.8	325	27.69	20.00	1.221E+00	7.325E-03	0.50
<i>Boiler B2 uses natural gas as primary fuel. No. 2 fuel oil as backup during emergency (R/18/1999 #11635 Section III-A form); NOx and SO2 emission scenario are "intermittent" for the 1-hour NAAQS</i>														
Georgia - Burke County AIRS 03300009 Allen B. Wilson Combustion Turbine Plant														
003000086A		CTA6A Peaking Combustion Turbine	1972		430,217.17	3,666,866.79	63.43	50.0	760	97.64	195.28	8.554E+02	4.909E+02	0.20
003000086B		CTA6B Peaking Combustion Turbine	1972		430,216.79	3,668,840.85	63.28	50.0	760	97.64	195.28	8.554E+02	4.909E+02	0.20
003000086C		CTA6C Peaking Combustion Turbine	1972		430,216.64	3,668,815.11	63.22	50.0	760	97.64	195.28	8.554E+02	4.909E+02	0.20
003000086D		CTA6D Peaking Combustion Turbine	1973		430,216.19	3,666,769.11	63.31	50.0	760	97.64	195.28	8.554E+02	4.909E+02	0.20
003000086E		CTA6E Peaking Combustion Turbine	1973		430,215.75	3,666,762.95	63.70	50.0	760	97.64	195.28	8.554E+02	4.909E+02	0.20
003000086F		CTA6F Peaking Combustion Turbine	1973		430,215.53	3,666,738.04	63.86	50.0	760	97.64	195.28	8.554E+02	4.909E+02	0.20
Georgia - Burke County AIRS 03300034 Flamm Technologies, Inc.														
03300034SCB		P1A P2 Lead Cylinder Production and Grid Casting	2001		405,054.23	3,663,711.27	86.00	35.0	82	38.58	30.00	3.677E-01	2.206E-03	0.50
03300034B02		P5 P6 Three-Process Operation	2001		405,182.33	3,663,704.32	86.11	35.0	80	37.21	60.00	9.450E-01	5.670E-03	0.50
03300034B05		P5 P6 Three-Process Operation	2001		405,050.68	3,663,711.91	85.97	35.0	76	36.91	36.00	9.450E-01	5.670E-03	0.50
Georgia - Burke County AIRS 03300037 Reeves Construction Company GFL Waynesboro Plant														

Table 4a. PSD Point Source Inventory for the 1-hour NO2 and SO2 NAAQS

Unit Description				Stack Parameters										
Modeled Source ID	Permitted Source ID	Source Description	Construction Date	Modification Date	UTM NAD 83 Easting	UTM NAD 83 Northing	AERMAP NED 1 arc-sec Elevation	Stack Release Height	Stack Exit Temperature	Stack Exit Velocity	Stack Exit Diameter	NO _x lb/hr	SO ₂ lb/hr	In-Stack NO ₂ /NO _x Ratio
0330003701		Hot Mix Asphalt Plant Dryer Stack <i>Georgia - Burke County</i> <i>AIRS 0330003701 ASTA, Inc.</i>	unk		407,880.20	3,681,808.82	76.85	34.0	250	74.66	42.00	1.100E+01	1.321E+02	0.50
0330003801	BC01-BC06	Electric Enamel Base Coat Ovens	2008		404,857.25	3,663,545.69	88.45	40.0	1,000	47.00	6.50	9.785E-01	0.000E+00	0.50
0330003802	SB01-SB02	Self-bonding Coating Ovens	2008		404,857.25	3,663,545.69	88.45	40.0	1,300	28.00	6.50	1.631E-01	0.000E+00	0.50
04300011B1		B1 Kewanee Boiler <i>Georgia - Effingham County</i> <i>AIRS 04300011B1 Moore Wallace Inc.</i>	1980		401,976.90	3,584,083.60	68.64	30.0	350	10.26	18.00	5.946E-01	6.861E-02	0.50
10300013G1		G1 Caterpillar CAT 3516 B TA Generator Set <i>Georgia - Emanuel County</i> <i>AIRS 10300013G1 Lifeline Industries</i>	2001		459,487.70	3,595,465.40	39.07	25.0	847	241.38	14.00	3.727E+01	beyond screening area	0.50
10300013G2		G2 Caterpillar CAT 3516 B TA Generator Set	2001		459,482.57	3,595,460.68	39.16	25.0	847	241.38	14.00	3.727E+01	" "	0.50
10300013G3		G3 Caterpillar CAT 3516 B TA Generator Set	2001		459,478.34	3,595,465.92	39.32	25.0	847	241.38	14.00	3.727E+01	" "	0.50
10300013G4		G4 Caterpillar CAT 3516 B TA Generator Set	2001		459,473.62	3,595,471.08	39.40	25.0	847	241.38	14.00	3.727E+01	" "	0.50
10300013G5		G5 Caterpillar CAT 3516 B TA Generator Set	2001		459,469.32	3,595,475.40	39.45	25.0	847	241.38	14.00	3.727E+01	" "	0.50
10700013B1		B1 Bell Industries Lumber Drying Kiln Boiler <i>Georgia - Emanuel County</i> <i>AIRS 10700013B1 American Steel Products</i>	1983		376,239.00	3,607,501.20	69.22	30.0	450	30.00	16.00	1.390E+00	1.580E-01	0.50
10700019D1		D01 D02 D03 3 Mason Size PM 1200 Drying Ovens <i>Georgia - Emanuel County</i> <i>AIRS 10700019D1 Crider Poultry</i>	unk		374,667.30	3,607,963.20	96.42	24.0	70	37.40	14.00	4.377E-01	2.626E-03	0.50
10700025B1		BL1 600-hp Boiler 1	2000		386,060.03	3,588,435.81	75.02	24.0	390	26.07	24.00	2.854E+00	beyond screening area	0.50
10700025B2		BL2 300-hp Boiler 2	2000		386,047.67	3,588,434.57	76.20	24.0	390	14.54	24.00	1.427E+00	" "	0.50
10700025B5		BL5 700-hp Boiler 5	2002		386,078.09	3,588,436.38	76.00	24.0	350	34.11	24.00	3.329E+00	" "	0.50
16300007107		107 Coil Oven <i>Georgia - Jefferson County</i> <i>AIRS 16300007107 Thermo King Corp.</i>	1995		370,309.00	3,652,450.28	99.26	20.0	130	11.50	12.00	3.891E-02	beyond screening area	0.50
16300007306		306 Pretreat Oven	1995		370,309.00	3,652,450.28	99.26	20.0	130	11.50	12.00	7.762E-02	" "	0.50
16300007014		14 14 Diesel Testing Stands <i>Georgia - Jefferson County</i> <i>AIRS 16300007014 Farmers Gin and Storage</i>	1992		370,309.00	3,652,450.28	99.26	4.0	450	75.62	4.00	3.832E+00	" "	0.50
16300008CG		Cotton Ginning Process <i>Georgia - Jefferson County</i> <i>AIRS 16300008CG Battle Lumber Company</i>	1975 2010		369,360.88	3,636,743.00	69.91	26.0	75	39.88	16.00	1.137E+00	beyond screening area	0.50
16300012B1		B1 Steam Boiler for Lumber Drying Kilns	1992		369,557.87	3,636,201.85	67.88	35.0	400	52.00	16.80	2.112E+00	beyond screening area	0.50
16300012B2		B2 Steam Boiler for Lumber Drying Kilns	1998		369,557.87	3,636,201.85	67.88	40.0	865	47.67	30.25	6.314E+00	" "	0.50
16300012B3		B3 Steam Boiler for Lumber Drying Kilns	2010		369,557.87	3,636,201.85	67.88	40.0	865	47.67	30.25	6.314E+00	" "	0.50
2510000307		7 Grain Dryer <i>Georgia - Screven County</i> <i>AIRS 2510000307 Kovo Bearings USA, LLC</i>	1957		428,060.20	3,603,728.40	51.88	40.0	78	7.80	14.00	1.167E+00	7.004E-03	0.50
25100004B1		B1 700-hp Boiler 1	1974		442,044.99	3,624,657.32	55.30	38.7	315	86.74	16.00	2.841E+00	1.705E-02	0.50
<i>Boiler B1 uses No. 5 fuel oil only during curtailment (11/13/1995 memo); NOx and SO2 emission scenario are "intermittent" for the 1-hour NAAQS</i>														
25100004B2		B2 700-hp Boiler 2	1974		442,044.99	3,624,657.32	55.30	38.7	315	86.74	16.00	2.841E+00	1.705E-02	0.50
<i>Boiler B2 uses No. 5 fuel oil only during curtailment (11/13/1995 memo); NOx and SO2 emission scenario are "intermittent" for the 1-hour NAAQS</i>														
25100008B01		B001 Babcock & Wilcox Boiler <i>Georgia - Screven County</i> <i>AIRS 25100008B01 King America Finishing, Inc.</i>	1970 2010		430,543.80	3,607,688.13	47.76	140.0	500	41.40	60.00	4.086E+01	8.411E+01	0.50
25100008B02		B002 Babcock & Wilcox Boiler	1968		430,534.13	3,607,676.97	47.59	60.0	450	32.89	72.00	3.620E+01	9.179E+01	0.50
25100008DNR		DNR1 Dye Narrow Range Pad Application	1976 1993		430,657.02	3,607,626.13	48.73	38.0	140	29.11	22.00	4.475E-01	2.685E-03	0.50

Table 4a. PSD Point Source Inventory for the 1-hour NO2 and SO2 NAAQS

Unit Description				Stack Parameters								In-Stack NO2/NOx Ratio		
Modeled Source ID	Permitted Source ID	Source Description	Construction Date	Modification Date	UTM NAD 83 Easting	UTM NAD 83 Northing	AERMAP NED 1 arc-sec Elevation	Stack Release Height	Stack Exit Temperature	Stack Exit Velocity	Stack Exit Diameter	NO _x lb/hr	SO ₂ lb/hr	
25100008DWR	DWR1	Dye Wide Range Pad Application	1966	1994	430,657.92	3,607,626.13	48.73	38.0	140	29.11	22.00	4.475E-01	2.685E-03	0.50
25100008PHT	PD01	Dry Range No. 3 Predryer, Hot Flame Dryer and HD01 Thermoset	2008		430,464.05	3,607,785.12	49.10	38.0	140	29.11	22.00	2.043E+00	1.228E-02	0.50
25100008R40	FR40	Aztec Finishing Range	1976		430,568.88	3,607,693.97	48.69	38.0	140	29.11	22.00	1.167E+00	7.004E-03	0.50
25100008R51	FR51	Aztec Finishing Range	1968		430,568.88	3,607,693.97	48.69	38.0	140	29.11	22.00	3.794E-01	2.276E-03	0.50
25100008R58	FR58	Aztec Finishing Range	1969		430,568.88	3,607,693.97	48.69	38.0	140	29.11	22.00	8.765E-01	5.253E-03	0.50
25100008R59	FR59	Aztec Finishing Range	1976		430,568.88	3,607,693.97	48.69	38.0	140	29.11	22.00	1.167E+00	7.004E-03	0.50
25100008PHS	PHS1	Heat Setting	1978		430,482.52	3,607,699.59	48.62	38.0	140	29.11	22.00	5.837E-01	3.502E-03	0.50
25100008PRR	PRR1	Rope Range	1986	1999	430,654.56	3,607,682.53	48.58	38.0	140	29.11	22.00	1.654E-01	9.822E-04	0.50
25100008PYP	PYP1	Yarn Preparation	1994		430,579.21	3,607,648.21	48.47	38.0	140	29.11	22.00	9.728E-02	5.837E-04	0.50
25100008P01	P001	Zimmer Printer & Aztec Tubular Jet Print Dryer 1	1991		430,634.46	3,607,777.31	49.21	38.0	140	29.11	22.00	7.782E-01	4.869E-03	0.50
25100008P02	P002	Zimmer Printer & Aztec Tubular Jet Print Dryer 2	1993		430,634.46	3,607,777.31	49.21	38.0	140	29.11	22.00	7.782E-01	4.869E-03	0.50
Georgia - Scriven County														
AIRS 25100022 Southern Natural Gas Company-Woodcliff Gate Compressor Station														
25100029T1	PT01	Natural Gas-Fired Turbine Allison Model 501-KC	2005		427,200.00	3,623,900.00	60.40	37.7	1,073	13.76	66.50	3.062E+01	1.771E-01	0.20
South Carolina - Aiken County														
Permit No. 0080-0041 Savannah River Nuclear Solutions LLC - Savannah River Site														
0080004101	APF2	784-7A Steam Facility Biomass Boiler	2008		431,534.89	3,689,173.83	110.25	50.0	350	44.00	35.99	1.317E+01	beyond screening area	0.50
0080004102	APF3	784-7A Steam Facility Oil Fired Boiler	2008		431,559.32	3,689,180.83	110.15	45.0	458	47.00	30.00	2.857E+00	" "	0.50
0080004103	BQH1	735-1B Lab Hotwater Heater/Boiler 1, 2, & 3	1998		431,835.06	3,682,911.95	92.47	33.0	500	0.00328	26.38	1.675E+00	" "	0.50
0080004105	HSE12	254-19H 800 kW Production Diesel Engine A	2000		440,409.08	3,683,561.32	93.75	12.0	999	0.00328	9.95	2.875E+01	" "	0.50
0080004106	HSE13	254-19H 800 kW Production Diesel Engine B	2000		440,416.53	3,683,566.37	93.60	12.0	999	0.00328	9.95	2.875E+01	" "	0.50
0080004107	HSP2	H Canyon, HB Line, 221-H, etc.	1985		440,467.03	3,683,435.62	91.95	200.0	78	56.60	120.00	3.373E+02	" "	0.50
0080004108	NBJ28	725-1N Abrasive Blasting	1975	1992	439,318.70	3,679,031.55	91.19	6.0	460	0.00328	0.00	0.000E+00	" "	0.50
0080004109	NGE44	2 Portable Air Compressors in D-Area	2000	2010	430,862.28	3,673,991.55	37.58	7.7	884	215.00	5.08	2.276E+01	" "	0.50
0080004110	NGE45	10 Portable Air Compressors	2000	2010	431,282.94	3,689,932.21	113.43	7.7	884	215.00	5.08	1.143E+02	" "	0.50
0080004111	SDP7	221-S Zone 2 Stack, 221-S Prod., etc	1988	2004	440,290.18	3,684,003.70	84.11	147.0	80	85.00	60.00	2.349E+01	" "	0.50
South Carolina - Aiken County														
Permit No. 0080-0112 Three Rivers Landfill														
0080011201	Tub Grinder Engine		2005		431,419.00	3,680,380.00	71.88	11.6	800	305.53	6.00	1.102E+01	beyond screening area	0.50
0080011202	Scalping Screen Engine		unk		431,419.00	3,680,380.00	71.88	10.0	800	76.41	3.98	2.600E+00	" "	0.50
0080011203	Terminator Grinder Engine		unk		431,419.00	3,680,380.00	71.88	10.3	800	305.53	6.00	9.740E+00	" "	0.50
0080011204	Trommel Screen Engine		unk		431,419.00	3,680,380.00	71.88	9.4	800	305.53	6.00	2.240E+00	" "	0.50
0080011206	Flare		unk		431,455.35	3,679,828.44	60.12	42.0	1,832	65.82	60.00	5.100E+00	" "	0.50
South Carolina - Aiken County														
Permit No. 0080-0144 Ameresco Federal Solutions														
0080014401	1STACK	Biomass Cogeneration Boiler	2008		436,002.16	3,681,877.04	79.25	100.0	325	59.61	66.14	3.150E+01	beyond screening area	0.50
0080014402	2STACK	Biomass Cogeneration Boiler	2008		436,015.32	3,681,858.30	78.28	100.0	325	59.61	66.14	3.150E+01	" "	0.50
0080014403	KBIO3	Biomass Steam Generation Unit	2008		436,359.76	3,674,896.84	82.96	49.0	450	53.71	19.68	2.980E+00	" "	0.50
0080014404	LBIO3	Biomass Steam Generation Unit	2008		441,886.13	3,674,882.91	76.65	49.0	450	53.71	19.68	2.980E+00	" "	0.50
South Carolina - Allendale County														
Permit No. 0160-0096 Clariant Corporation														
0160000801	Boiler #1		1999		455,144.27	3,655,701.15	48.69	42.0	350	34.50	39.96	1.000E+01	beyond screening area	0.50
0160000802	Boiler #2		1999		455,147.76	3,655,700.35	48.61	42.0	350	40.00	39.96	1.000E+01	" "	0.50
0160000803	Scrubbers		1999		454,885.43	3,655,126.55	43.16	94.8	70	53.95	39.96	0.000E+00	" "	0.50
South Carolina - Barnwell County														
Permit No. 0300-0036 Savannah River Nuclear Solutions LLC Savannah River Site - D-Area Powerhouse														
0300003601	DPF1	484-D 306 x 106 blwtr Pulverized Coal Boiler #	1952		431,022.38	3,673,996.77	39.08	125.0	370	35.00	118.56	3.191E+02	beyond screening area	0.50
0300003602	DPF2	484-D 306 x 106 blwtr Pulverized Coal Boiler #	1952		431,020.71	3,673,999.52	39.07	125.0	370	35.00	118.56	3.191E+02	" "	0.50

Table 4b. PSD Volume Source Inventory for the 1-hour NO2 and SO2 NAAQS

Unit Description				Volume Source Parameters										
Modeled Source ID	Permitted Source ID	Source Description	Construction Date	Modification Date	UTM NAD 83 Easting m	UTM NAD 83 Northing m	AERMAP NED 1 arc-sec Elevation m	Release Height ft	Horizontal Dimension ft	Vertical Dimension ft		NO _x lb/hr	SO ₂ lb/hr	In-Stack NO2/NO _x Ratio
<u>Georgia - Bulloch County</u>														
<u>AIRS 03100005 W.M. Sheppard Lumber Company</u>														
03100005K4	DK04	Direct-fired Lumber Drying Kiln #4	1998		438,293.75	3,579,706.34	38.29	35	10.72	16.28		7.535E-01	6.250E-01	0.50
03100005K5	DK05	Direct-fired Lumber Drying Kiln #5	1999		438,375.83	3,579,700.40	37.85	35	10.72	16.28		7.535E-01	6.250E-01	0.50
<u>Georgia - Bulloch County</u>														
<u>AIRS 03100028 Claude Howard Lumber Company</u>														
03100028K1	DFK1	Direct-fired Lumber Drying Kiln #1	1980		427,118.28	3,588,883.68	62.05	42	68.90	74.80		8.476E-01	4.500E-01	0.50
03100028K2	DFK2	Direct-fired Lumber Drying Kiln #2	1980		427,145.49	3,588,874.80	61.55	42	68.90	74.80		8.476E-01	5.000E-01	0.50
<u>Georgia - Emanuel County</u>														
<u>AIRS 10700011 Ravenlar Wood Products Swainsboro</u>														
10700011K09	DK09	Direct-fired Lumber Drying Kiln #7 (batch) converted to Kiln #9 (continuous)	2005		374,804.36	3,597,713.56	76.19	27	14.71	12.56		1.766E+00	beyond screening area	0.50
10700011K10	DK10	Direct-fired Lumber Drying Kiln #8 (batch) converted to Kiln #10 (continuous)	2005		374,842.32	3,597,713.56	75.84	27	14.71	12.56		1.766E+00	" "	0.50

Table 5. PSD Inventory for the PM10 and PM2.5 24-hour and Annual NAAQS and Increments

Unit Description				Increment		Stack Parameters									
Modeled Source ID	Permitted Source ID	Source Description	Construction Date	Modification Date	PM ₁₀	PM _{2.5}	UTM NAD 83 Easting m	UTM NAD 83 Northing m	AERMAP NED 1 arc-sec Elevation m	Stack Release Height ft	Stack Exit Temperature F	Stack Exit Velocity fps	Stack Exit Diameter in	PM ₁₀ lb/hr	PM _{2.5} lb/hr
Georgia - Burke County															
AIRS 03300008 Allan B. Wilson Combustion Turbine Plant															
003000086A	CTA6A	Peaking Combustion Turbine	1972				430,217.17	3,668,666.79	63.43	50.0	760	97.64	195.28	1.118E+01	1.081E+01
003000086B	CTA6B	Peaking Combustion Turbine	1972				430,216.79	3,668,640.85	63.29	50.0	760	97.64	195.28	1.118E+01	1.081E+01
003000086C	CTA6C	Peaking Combustion Turbine	1972				430,216.54	3,668,615.11	63.22	50.0	760	97.64	195.28	1.118E+01	1.081E+01
003000086D	CTA6D	Peaking Combustion Turbine	1973				430,218.19	3,668,789.11	63.31	50.0	760	97.64	195.28	1.118E+01	1.081E+01
003000086E	CTA6E	Peaking Combustion Turbine	1973				430,215.75	3,668,762.95	63.70	50.0	760	97.64	195.28	1.118E+01	1.081E+01
003000086F	CTA6F	Peaking Combustion Turbine	1973				430,215.53	3,668,736.94	63.68	50.0	760	97.64	195.28	1.118E+01	1.081E+01
Georgia - Burke County															
AIRS 03300039 Vogtle Electric Generating Plant															
Existing Equipment (Units 1 and 2)															
00300030VD1	VD01	Unit 1 Emergency Diesel Generator 1A	1981	✓			428,765.22	3,667,255.29	65.40	63.0	700	0.00328	42.00	4.005E+00	3.886E+00
00300030VD2	VD02	Unit 1 Emergency Diesel Generator 1B	1981	✓			428,778.02	3,667,255.05	65.07	63.0	700	0.00328	42.00	4.005E+00	3.886E+00
00300030VD3	VD03	Unit 2 Emergency Diesel Generator 2A	1981	✓			428,981.22	3,667,262.56	64.53	63.0	700	0.00328	42.00	4.005E+00	3.886E+00
00300030VD4	VD04	Unit 2 Emergency Diesel Generator 2B	1981	✓			428,994.88	3,667,262.28	64.56	63.0	700	0.00328	42.00	4.005E+00	3.886E+00
00300030FD1	FPD1	Replacement Fire Pump Diesel Unit 1	2010	✓			429,083.94	3,667,485.93	61.41	25.0	850	153.00	5.00	3.086E-01	3.086E-01
00300030FD2	FPD2	Fire Pump Diesel Unit 2	1977	✓			429,091.18	3,667,465.87	61.57	25.0	850	153.00	5.00	3.360E-01	3.360E-01
00300030SD1	SD01	Security Diesel	1986	✓			429,136.56	3,667,260.08	65.29	30.0	850	245.00	6.00	4.601E-01	4.465E-01
00300030CWS1	CWS1	Circulating Water System Cooling Tower 1	unk	✓			429,450.43	3,667,305.53	65.79	600.0	80	9.74	3960.00	1.800E+00	1.800E+00
00300030CWS2	CWS2	Circulating Water System Cooling Tower 2	unk	✓			429,448.13	3,667,514.53	63.01	600.0	80	9.74	3960.00	1.800E+00	1.800E+00
00300030SWS1	SWS1	Service Water System Cooling Tower 1	unk	✓			428,985.11	3,667,307.80	63.93	600.0	106	24.78	268.80	8.000E-02	8.000E-02
00300030SWS2	SWS2	Service Water System Cooling Tower 2	unk	✓			428,786.46	3,667,310.41	65.15	600.0	106	24.78	268.80	8.000E-02	8.000E-02
New Equipment (Units 3 and 4)															
00300030VD5	VD05	Unit 3 Emergency Diesel Generator 1	2010	✓			428,406.35	3,667,182.63	69.37	35.5	710	364.50	18.00	1.808E+00	1.808E+00
00300030VD6	VD06	Unit 3 Emergency Diesel Generator 2	2010	✓			428,413.71	3,667,182.63	69.42	35.5	710	364.50	18.00	1.808E+00	1.808E+00
00300030VD7	VD07	Unit 4 Emergency Diesel Generator 1	2010	✓			428,160.59	3,667,178.43	69.13	35.5	710	364.50	18.00	1.808E+00	1.808E+00
00300030VD8	VD08	Unit 4 Emergency Diesel Generator 2	2010	✓			428,167.33	3,667,178.43	69.17	35.5	710	364.50	18.00	1.808E+00	1.808E+00
00300030FD3	FPD3	Units 3 and 4 Fire Pump Diesel 1	2010	✓			428,276.84	3,667,271.08	69.05	12.0	868	168.30	5.00	5.456E-02	5.456E-02
00300030FD4	FPD4	Units 3 and 4 Fire Pump Diesel 2	2010	✓			428,028.78	3,667,266.87	69.22	12.0	868	168.30	5.00	5.456E-02	5.456E-02
00300030FD5	FPD5	Units 3 and 4 Fire Pump Diesel 3	2010	✓			428,431.22	3,666,576.20	74.00	12.0	868	168.30	5.00	5.456E-02	5.456E-02
00300030AX1	AUX1	Units 3 and 4 Ancillary Diesel Generator 1	2010	✓			428,364.04	3,667,119.69	70.33	12.0	800	169.80	3.00	6.614E-02	6.614E-02
00300030AX2	AUX2	Units 3 and 4 Ancillary Diesel Generator 2	2010	✓			428,364.04	3,667,119.69	70.33	12.0	800	169.80	3.00	6.614E-02	6.614E-02
00300030AX3	AUX3	Units 3 and 4 Ancillary Diesel Generator 3	2010	✓			428,116.71	3,667,116.86	69.28	12.0	800	169.80	3.00	6.614E-02	6.614E-02
00300030AX4	AUX4	Units 3 and 4 Ancillary Diesel Generator 4	2010	✓			428,116.71	3,667,116.86	69.28	12.0	800	169.80	3.00	6.614E-02	6.614E-02
00300030RWD	ODG1	Units 3 and 4 Raw Water Diesel Generator	2010	✓			428,398.28	3,665,578.01	74.18	20.0	851	252.10	12.00	4.850E-01	4.850E-01
00300030TSC	TSC1	Technical Support Center Diesel Generator	2010	✓			428,663.17	3,667,142.45	72.04	20.0	851	252.10	12.00	4.850E-01	4.850E-01
00300030CWS3	CWS3	Circulating Water System Cooling Tower 3	2010	✓			427,985.26	3,668,795.15	71.31	600.0	80	9.74	3960.00	1.800E+00	1.800E+00
00300030CWS4	CWS4	Circulating Water System Cooling Tower 4	2010	✓			428,321.88	3,668,798.14	76.73	600.0	80	9.74	3960.00	1.800E+00	1.800E+00
00300030SWS3	SWS3	Service Water System Cooling Tower 3	2010	✓			428,022.65	3,667,251.06	69.09	600.0	106	24.78	268.80	8.000E-02	8.000E-02
00300030SWS4	SWS4	Service Water System Cooling Tower 4	2010	✓			428,269.78	3,667,252.78	69.05	600.0	106	24.78	268.80	8.000E-02	8.000E-02
South Carolina - Barnwell County															
Permit No. 0390-0036 Savannah River Nuclear Solutions LLC Savannah River Site - D-Area Powerhouse															
0030003601	DPF1	- 484-D 306 x 106 blw/hr Pulverized Coal Boiler #	1952				431,022.38	3,673,998.77	39.08	125.0	370	35.00	118.56	7.230E+01	7.230E+01
0030003602	DPF2	- 484-D 398 x 106 blw/hr Pulverized Coal Boiler #	1952				431,020.71	3,673,999.52	39.07	125.0	370	35.00	118.56	7.230E+01	7.230E+01

Table 6. PSD Inventory for the NO2 Annual NAAQS and Increment

Unit Description				Increment		Stack Parameters							
Modeled Source ID	Permitted Source ID	Source Description	Construction Date	Modification Date	NO _x	UTM NAD 83 Easting m	UTM NAD 83 Northing m	AERMAP NED 1 arc-sec Elevation m	Stack Release Height ft	Stack Exit Temperature F	Stack Exit Velocity fps	Stack Exit Diameter In	NO _x lb/hr
Georgia - Burke County AIRS 03300008 Allen B. Wilson Combustion Turbine Plant													
003000086A	CTA6A	Peaking Combustion Turbine	1972			430,217.17	3,666,866.79	63.43	50.0	760	97.64	195.28	8.554E+02
003000086B	CTA6B	Peaking Combustion Turbine	1972			430,216.79	3,666,840.85	63.29	50.0	760	97.64	195.28	8.554E+02
003000086C	CTA6C	Peaking Combustion Turbine	1972			430,216.54	3,666,815.11	63.22	50.0	760	97.64	195.28	8.554E+02
003000086D	CTA6D	Peaking Combustion Turbine	1973			430,216.19	3,666,789.11	63.31	50.0	760	97.64	195.28	8.554E+02
003000086E	CTA6E	Peaking Combustion Turbine	1973			430,215.75	3,666,762.95	63.70	50.0	760	97.64	195.28	8.554E+02
003000086F	CTA6F	Peaking Combustion Turbine	1973			430,215.53	3,666,736.04	63.88	50.0	760	97.64	195.28	8.554E+02
Georgia - Burke County AIRS 03300030 Vogtle Electric Generating Plant Existing Equipment (Units 1 and 2)													
03300030VD1	VD01	Unit 1 Emergency Diesel Generator 1A	1981			428,765.22	3,667,265.29	65.40	63.0	700	0.00328	42.00	2.328E+02
03300030VD2	VD02	Unit 1 Emergency Diesel Generator 1B	1981			428,778.02	3,667,265.05	65.07	63.0	700	0.00328	42.00	2.328E+02
03300030VD3	VD03	Unit 2 Emergency Diesel Generator 2A	1981			428,981.22	3,667,262.56	64.53	63.0	700	0.00328	42.00	2.328E+02
03300030VD4	VD04	Unit 2 Emergency Diesel Generator 2B	1981			428,994.88	3,667,262.28	64.56	63.0	700	0.00328	42.00	2.328E+02
03300030FD1	FPD1	Replacement Fire Pump Diesel Unit 1	2010		✓	429,083.94	3,667,465.93	61.41	25.0	850	153.00	5.00	6.019E+00
03300030FD2	FPD2	Fire Pump Diesel Unit 2	1977			429,091.18	3,667,465.87	61.57	25.0	850	153.00	5.00	1.178E+01
03300030SD1	SD01	Security Diesel	1988			429,136.56	3,667,260.08	65.29	30.0	850	245.00	6.00	2.400E+01
New Equipment (Units 3 and 4)													
03300030VD5	VD05	Unit 3 Emergency Diesel Generator 1	2010		✓	428,408.35	3,667,182.63	69.37	35.5	710	364.50	18.00	1.973E+01
03300030VD6	VD06	Unit 3 Emergency Diesel Generator 2	2010		✓	428,413.71	3,667,182.63	69.42	35.5	710	364.50	18.00	1.973E+01
03300030VD7	VD07	Unit 4 Emergency Diesel Generator 1	2010		✓	428,160.59	3,667,178.43	69.13	35.5	710	364.50	18.00	1.973E+01
03300030VD8	VD08	Unit 4 Emergency Diesel Generator 2	2010		✓	428,167.33	3,667,178.43	69.17	35.5	710	364.50	18.00	1.973E+01
03300030FD3	FPD3	Units 3 and 4 Fire Pump Diesel 1	2010		✓	428,275.84	3,667,271.06	69.05	12.0	868	168.30	5.00	1.210E+00
03300030FD4	FPD4	Units 3 and 4 Fire Pump Diesel 2	2010		✓	428,028.78	3,667,268.87	69.22	12.0	868	168.30	5.00	1.210E+00
03300030FD5	FPD5	Units 3 and 4 Fire Pump Diesel 3	2010		✓	428,431.22	3,666,576.29	74.00	12.0	868	168.30	5.00	1.210E+00
03300030AX1	AUX1	Units 3 and 4 Ancillary Diesel Generator 1	2010		✓	428,364.04	3,667,119.69	70.33	12.0	800	169.80	3.00	1.241E+00
03300030AX2	AUX2	Units 3 and 4 Ancillary Diesel Generator 2	2010		✓	428,364.04	3,667,119.69	70.33	12.0	800	169.80	3.00	1.241E+00
03300030AX3	AUX3	Units 3 and 4 Ancillary Diesel Generator 3	2010		✓	428,116.71	3,667,116.86	69.28	12.0	800	169.80	3.00	1.241E+00
03300030AX4	AUX4	Units 3 and 4 Ancillary Diesel Generator 4	2010		✓	428,116.71	3,667,116.86	69.28	12.0	800	169.80	3.00	1.241E+00
03300030RWD	ODG1	Units 3 and 4 Raw Water Diesel Generator	2010		✓	428,398.28	3,668,578.01	74.16	20.0	851	252.10	12.00	5.291E+00
03300030TSC	TSC1	Technical Support Center Diesel Generator	2010		✓	428,663.17	3,667,142.45	72.04	20.0	851	252.10	12.00	5.291E+00
Georgia - Screven County AIRS 25100008 King America Finishing, Inc.													
25100008B01	B001	Babcock & Wilcox Boiler	1970	2010	expanding mod in 2010 not considered for increment	430,543.80	3,607,688.13	47.76	140.0	500	41.40	80.00	4.086E+01
25100008B02	B002	Babcock & Wilcox Boiler	1988		✓	430,534.13	3,607,578.97	47.59	60.0	450	32.89	72.00	3.620E+01
25100008DNR	DNR1	Dye Narrow Range Pad Application	1976	1993	✓	430,657.92	3,607,626.13	48.73	38.0	140	29.11	22.00	4.475E-01
25100008DWR	DWR1	Dye Wide Range Pad Application	1986	1994	✓	430,657.92	3,607,626.13	48.73	38.0	140	29.11	22.00	4.475E-01
25100008PHT	PD01	Dry Range No. 3 Predryer, Hot Flame Dryer and HD01 Thermosol	2008		✓	430,464.05	3,607,785.12	49.10	38.0	140	29.11	22.00	2.043E+00
25100008R40	FR40	Aztec Finishing Range	1976			430,568.88	3,607,693.97	48.69	38.0	140	29.11	22.00	1.167E+00
25100008R51	FR51	Aztec Finishing Range	1988		✓	430,568.88	3,607,693.97	48.69	38.0	140	29.11	22.00	3.794E-01

Table 6. PSD Inventory for the NO2 Annual NAAQS and Increment

Unit Description				Increment	Stack Parameters							
Modeled Source ID	Permitted Source ID Source Description	Construction Date	Modification Date	NO _x	UTM NAD 83 Easting m	UTM NAD 83 Northing m	AERMAP NED 1 arc-sec Elevation m	Stack Release Height ft	Stack Exit Temperature F	Stack Exit Velocity fps	Stack Exit Diameter in	NO _x lb/hr
25100008R58	FR58 Aztec Finishing Range	1969			430,568.88	3,607,693.97	48.69	38.0	140	29.11	22.00	8.755E-01
25100008R59	FR59 Aztec Finishing Range	1976			430,568.88	3,607,693.97	48.69	38.0	140	29.11	22.00	1.167E+00
25100008PHS	PHS1 Heat Setting	1978			430,482.52	3,607,699.69	48.62	38.0	140	29.11	22.00	5.837E-01
25100008PRR	PRR1 Rope Range	1965	1990	✓	430,554.56	3,607,682.53	48.56	38.0	140	29.11	22.00	1.654E-01
25100008PYP	PYP1 Yarn Preparation	1994		✓	430,579.21	3,607,648.21	48.47	38.0	140	29.11	22.00	9.728E-02
25100008P01	P001 Zimmer Printer & Aztec Tubular Jet Print Dryer 1	1991		✓	430,534.46	3,607,777.31	49.21	38.0	140	29.11	22.00	7.782E-01
25100008P02	P002 Zimmer Printer & Aztec Tubular Jet Print Dryer 2	1993		✓	430,534.46	3,607,777.31	49.21	38.0	140	29.11	22.00	7.782E-01
Georgia - Screven County AIRS 25100029 Southern Natural Gas Company-Woodcliff Gate Compressor Station												
25100020T1	PT01 Natural Gas-Fired Turbine Allison Model 501-KC	2005		✓	427,200.00	3,623,900.00	80.40	37.7	1,073	13.76	66.50	3.062E+01
South Carolina - Aiken County Permit No. 0080-0041 Savannah River Nuclear Solutions LLC - Savannah River Site												
0080004101	APF2 - 784-7A Steam Facility Biomass Boiler	2008		✓	431,534.89	3,689,173.83	119.25	50.0	350	44.00	35.99	1.317E+01
0080004102	APF3 - 784-7A Steam Facility Oil Fired Boiler	2008		✓	431,559.32	3,689,180.83	119.15	45.0	458	47.00	30.00	2.857E+00
0080004103	BQH1 - 735-1B Lab Hotwater Heater/Boiler 1, 2, & 3	1998		✓	431,835.08	3,682,911.95	92.47	33.0	600	9.00328	26.38	1.675E+00
0080004105	HSE12 - 254-19H 800 kW Production Diesel Engine A	2000		✓	440,409.08	3,683,561.32	93.75	12.0	999	9.00328	9.96	2.675E+01
0080004106	HSE13 - 254-19H 800 kW Production Diesel Engine B	2000		✓	440,416.53	3,683,568.37	93.60	12.0	999	9.00328	9.96	2.675E+01
0080004107	HSP2 - H Canyon, HB Line, 221-H, etc.	1985		✓	440,497.08	3,683,435.62	91.95	200.0	78	59.60	120.00	3.373E+02
0080004109	NGE44 - 2 Portable Air Compressors In D-Area	2000	2010	✓	430,862.28	3,673,991.55	37.56	7.7	884	215.00	5.08	2.278E+01
0080004110	NGE45 - 10 Portable Air Compressors	2000	2010	✓	431,282.94	3,689,932.21	113.43	7.7	884	215.00	5.08	1.143E+02
0080004111	SDP7 - 221-S Zone 2 Stack, 221-S Prod., etc	1988	2004	✓	440,290.18	3,684,003.70	84.11	147.0	80	85.00	60.00	2.349E+01
South Carolina - Aiken County Permit No. 0080-0112 Three Rivers Landfill												
0080011201	Tub Grinder Engine	2005		✓	431,419.00	3,680,380.00	71.88	11.6	800	305.53	6.00	1.102E+01
0080011202	Scalping Screen Engine	unk		✓	431,419.00	3,680,380.00	71.88	10.0	800	76.41	3.96	2.600E+00
0080011203	Terminator Grinder Engine	unk		✓	431,419.00	3,680,380.00	71.88	10.3	800	305.53	6.00	9.740E+00
0080011204	Trommel Screen Engine	unk		✓	431,419.00	3,680,380.00	71.88	9.4	800	305.53	6.00	2.240E+00
0080011208	Flare	unk		✓	431,455.35	3,679,828.44	60.12	42.0	1,832	65.62	60.00	5.100E+00
South Carolina - Aiken County Permit No. 0080-0144 Ameresco Federal Solutions												
0080014401	1STACK - Biomass Cogeneration Boiler	2008		✓	436,002.16	3,681,877.04	79.25	100.0	325	59.61	66.14	3.150E+01
0080014402	2STACK - Biomass Cogeneration Boiler	2008		✓	436,015.32	3,681,858.30	78.28	100.0	325	59.61	66.14	3.150E+01
0080014403	KBIOB - Biomass Steam Generation Unit	2008		✓	438,350.75	3,674,696.84	82.96	49.0	450	53.71	19.68	2.980E+00
0080014404	LBIOB - Biomass Steam Generation Unit	2008		✓	441,886.13	3,674,882.91	76.85	49.0	450	53.71	19.68	2.980E+00
South Carolina - Barnwell County Permit No. 0300-0036 Savannah River Nuclear Solutions LLC Savannah River Site - D-Area Powerhouse												
0300003601	DPF1 - 484-D 396 x 106 blw/hr Pulverized Coal Boiler	1952			431,022.38	3,673,996.77	39.08	125.0	370	35.00	118.56	3.191E+02
0300003602	DPF2 - 484-D 396 x 106 blw/hr Pulverized Coal Boiler	1952			431,020.71	3,673,999.52	39.07	125.0	370	35.00	118.56	3.191E+02

Table 7. PSD Inventory for the SO₂ 3-hour, 24-hour and Annual NAAQS and Increments

Unit Description				Increment	Stack Parameters								
Modeled Source ID	Permitted Source ID	Source Description	Construction Date	Modification Date	SO ₂	UTM NAD 83 Easting m	UTM NAD 83 Northing m	AERMAP NED 1 arc-sec Elevation m	Stack Release Height ft	Stack Exit Temperature °F	Stack Exit Velocity fps	Stack Exit Diameter in	SO ₂ lb/hr
Georgia - Bulloch County AIRS 03100011 Reeves Construction Company Plant #10													
0310001101		Hot Mix Asphalt Plant Dryer Stack	unk			420,058.18	3,582,140.49	52.01	28.5	286	64.25	42.00	1.271E+02
Georgia - Burke County AIRS 03300008 Allen B. Wilson Combustion Turbine Plant													
003000086A		CTA6A Peaking Combustion Turbine	1972			430,217.17	3,666,866.79	63.43	50.0	760	97.64	195.28	4.909E+02
003000086B		CTA6B Peaking Combustion Turbine	1972			430,216.79	3,666,840.85	63.29	50.0	760	97.64	195.28	4.909E+02
003000086C		CTA6C Peaking Combustion Turbine	1972			430,216.54	3,666,815.11	63.22	50.0	760	97.64	195.28	4.909E+02
003000086D		CTA6D Peaking Combustion Turbine	1973			430,216.19	3,666,789.11	63.31	50.0	760	97.64	195.28	4.909E+02
003000086E		CTA6E Peaking Combustion Turbine	1973			430,215.75	3,666,762.95	63.70	50.0	760	97.64	195.28	4.909E+02
003000086F		CTA6F Peaking Combustion Turbine	1973			430,215.53	3,666,736.94	63.66	50.0	760	97.64	195.28	4.909E+02
Georgia - Burke County AIRS 03300030 Vogtle Electric Generating Plant Existing Equipment (Units 1 and 2)													
03300030VD1		VD01 Unit 1 Emergency Diesel Generator 1A	1981		✓	428,765.22	3,667,265.29	65.40	63.0	700	0.00328	42.00	3.924E+01
03300030VD2		VD02 Unit 1 Emergency Diesel Generator 1B	1981		✓	428,778.92	3,667,265.05	65.07	63.0	700	0.00328	42.00	3.924E+01
03300030VD3		VD03 Unit 2 Emergency Diesel Generator 2A	1981		✓	428,981.22	3,667,262.56	64.53	63.0	700	0.00328	42.00	3.924E+01
03300030VD4		VD04 Unit 2 Emergency Diesel Generator 2B	1981		✓	428,994.88	3,667,262.28	64.56	63.0	700	0.00328	42.00	3.924E+01
03300030FD1		FPD1 Replacement Fire Pump Diesel Unit 1	2010		✓	429,063.94	3,667,465.93	61.41	25.0	850	153.00	5.00	3.237E-03
03300030FD2		FPD2 Fire Pump Diesel Unit 2	1977		✓	429,091.18	3,667,465.87	61.57	25.0	850	153.00	5.00	7.790E-01
03300030SD1		SD01 Security Diesel	1986		✓	429,136.56	3,667,260.08	65.29	30.0	850	245.00	6.00	4.045E+00
New Equipment (Units 3 and 4)													
03300030VD5		VD05 Unit 3 Emergency Diesel Generator 1	2010		✓	428,406.35	3,667,182.63	69.37	35.5	710	364.50	18.00	6.872E-02
03300030VD6		VD06 Unit 3 Emergency Diesel Generator 2	2010		✓	428,413.71	3,667,182.63	69.42	35.5	710	364.50	18.00	6.872E-02
03300030VD7		VD07 Unit 4 Emergency Diesel Generator 1	2010		✓	428,160.59	3,667,178.43	69.13	35.5	710	364.50	18.00	6.872E-02
03300030VD8		VD08 Unit 4 Emergency Diesel Generator 2	2010		✓	428,167.33	3,667,178.43	69.17	35.5	710	364.50	18.00	6.872E-02
03300030FD3		FPD3 Units 3 and 4 Fire Pump Diesel 1	2010		✓	428,275.84	3,667,271.06	69.05	12.0	868	168.30	5.00	2.443E-03
03300030FD4		FPD4 Units 3 and 4 Fire Pump Diesel 2	2010		✓	428,028.78	3,667,266.87	69.22	12.0	868	168.30	5.00	2.443E-03
03300030FD5		FPD5 Units 3 and 4 Fire Pump Diesel 3	2010		✓	428,431.22	3,666,576.29	74.00	12.0	868	168.30	5.00	2.443E-03
03300030AX1		AUX1 Units 3 and 4 Ancillary Diesel Generator 1	2010		✓	428,394.04	3,667,119.69	70.33	12.0	800	169.80	3.00	1.115E-03
03300030AX2		AUX2 Units 3 and 4 Ancillary Diesel Generator 2	2010		✓	428,394.04	3,667,119.69	70.33	12.0	800	169.80	3.00	1.115E-03
03300030AX3		AUX3 Units 3 and 4 Ancillary Diesel Generator 3	2010		✓	428,116.71	3,667,116.86	69.28	12.0	800	169.80	3.00	1.115E-03
03300030AX4		AUX4 Units 3 and 4 Ancillary Diesel Generator 4	2010		✓	428,116.71	3,667,116.86	69.28	12.0	800	169.80	3.00	1.115E-03
03300030RWD		ODG1 Units 3 and 4 Raw Water Diesel Generator	2010		✓	428,398.28	3,668,578.01	74.18	20.0	851	252.10	12.00	1.985E-02
03300030TSC		TSC1 Technical Support Center Diesel Generator	2010		✓	428,683.17	3,667,142.45	72.04	20.0	851	252.10	12.00	1.985E-02
Georgia - Burke County AIRS 03300037 Reeves Construction Company GFL Waynesboro Plant													
0330003701		Hot Mix Asphalt Plant Dryer Stack	unk			407,980.29	3,661,898.82	76.85	34.0	250	74.66	42.00	1.321E+02
Georgia - Screven County AIRS 25100004 Kovo Bearings USA, LLC													
25100004B1		B1 700-hp Boiler 1	1974			442,044.99	3,624,657.32	55.30	38.7	315	86.74	16.00	7.643E+01
25100004B2		B2 700-hp Boiler 2	1974			442,044.99	3,624,657.32	55.30	38.7	315	86.74	16.00	7.643E+01
Georgia - Screven County AIRS 25100008 King America Finishing, Inc.													
25100008B01		B001 Babcock & Wilcox Boiler	1970	2010	expanding mod in 2010 not considered for increment	430,543.80	3,607,598.13	47.76	140.0	500	41.40	60.00	8.411E+01

Table 7. PSD Inventory for the SO₂ 3-hour, 24-hour and Annual NAAQS and Increments

Unit Description					Increment	Stack Parameters							
Modeled Source ID	Permitted Source ID	Source Description	Construction Date	Modification Date	SO ₂	UTM NAD 83 Easting m	UTM NAD 83 Northing m	AERMAP NED 1 arc-sec Elevation m	Stack Release Height ft	Stack Exit Temperature °F	Stack Exit Velocity fps	Stack Exit Diameter in	SO ₂ lb/hr
25100008B02	B002	Babcock & Wilcox Boiler	1988		✓	430,534.13	3,607,576.97	47.56	60.0	450	32.89	72.00	9.179E+01
25100008DNR	DNR1	Dye Narrow Range Pad Application	1976	1993	✓	430,657.92	3,607,626.13	48.73	38.0	140	29.11	22.00	2.685E-03
25100008DWR	DWR1	Dye Wide Range Pad Application	1966	1994	✓	430,657.92	3,607,626.13	48.73	38.0	140	29.11	22.00	2.685E-03
25100008PHT	PD01	Dry Range No. 3 Predryer, Hot Flame Dryer and HD01 Thermosol	2008		✓	430,464.05	3,607,785.12	49.10	38.0	140	29.11	22.00	1.228E-02
25100008R40	FR40	Aztec Finishing Range	1976		✓	430,568.88	3,607,693.97	48.69	38.0	140	29.11	22.00	7.004E-03
25100008R51	FR51	Aztec Finishing Range	1988		✓	430,568.88	3,607,693.97	48.69	38.0	140	29.11	22.00	2.276E-03
25100008R58	FR58	Aztec Finishing Range	1969			430,568.88	3,607,693.97	48.69	38.0	140	29.11	22.00	5.253E-03
25100008R59	FR59	Aztec Finishing Range	1976		✓	430,568.88	3,607,693.97	48.69	38.0	140	29.11	22.00	7.004E-03
25100008PHS	PHS1	Heat Salting	1978		✓	430,462.52	3,607,698.59	48.62	38.0	140	29.11	22.00	3.502E-03
25100008PRR	PRR1	Rope Range	1966	1999	✓	430,554.56	3,607,682.53	48.56	38.0	140	29.11	22.00	9.922E-04
25100008PYP	PYP1	Yarn Preparation	1994		✓	430,579.21	3,607,648.21	48.47	38.0	140	29.11	22.00	5.837E-04
25100008P01	P001	Zimmer Printer & Aztec Tubular Jet Print Dryer 1	1991		✓	430,534.46	3,607,777.31	49.21	38.0	140	29.11	22.00	4.668E-03
25100008P02	P002	Zimmer Printer & Aztec Tubular Jet Print Dryer 2	1993		✓	430,534.46	3,607,777.31	49.21	38.0	140	29.11	22.00	4.668E-03
South Carolina - Aiken County Permit No. 0080-0041 Savannah River Nuclear Solutions LLC - Savannah River Site													
0080004101	APF2	784-7A Steam Facility Biomass Boiler	2008		✓	431,534.89	3,689,173.83	119.25	50.0	350	44.00	35.99	1.000E+00
0080004102	APF3	784-7A Steam Facility Oil Fired Boiler	2008		✓	431,559.32	3,689,180.83	116.15	45.0	458	47.00	30.00	2.064E+00
0080004103	BQH1	735-1B Lab Hotwater Heater/Boiler 1, 2, & 3	1998		✓	431,835.08	3,682,911.05	92.47	33.0	500	0.00328	26.38	6.032E-01
0080004105	HSE12	254-16H 800 kW Production Diesel Engine A	2000		✓	440,409.08	3,683,561.32	93.75	12.0	999	0.00328	9.96	3.381E-01
0080004108	HSE13	254-16H 800 kW Production Diesel Engine B	2000		✓	440,416.53	3,683,566.37	93.60	12.0	999	0.00328	9.96	4.222E-01
0080004109	NGE44	2 Portable Air Compressors in D-Area	2000	2010	✓	439,862.28	3,673,991.55	37.56	7.7	884	215.00	5.08	1.500E+00
0080004110	NGE45	10 Portable Air Compressors	2000	2010	✓	431,282.94	3,689,932.21	113.43	7.7	884	215.00	5.08	7.500E+00
0080004111	SDP7	221-S Zone 2 Stack, 221-S Prod., etc	1988	2004	✓	440,290.18	3,684,003.70	84.11	147.0	80	85.00	60.00	1.246E-01
South Carolina - Aiken County Permit No. 0080-0112 Three Rivers Landfill													
0080011201		Tub Grinder Engine	2005			431,419.00	3,689,380.00	71.88	11.6	800	305.53	6.00	1.740E+00
0080011202		Scalping Screen Engine	unk			431,419.00	3,689,380.00	71.88	10.0	800	76.41	3.96	4.100E-01
0080011203		Terminator Grinder Engine	unk			431,419.00	3,689,380.00	71.88	10.3	800	305.53	6.00	1.540E+00
0080011204		Trommel Screen Engine	unk			431,419.00	3,689,380.00	71.88	9.4	800	305.53	6.00	3.500E-01
0080011206		Flare	unk			431,455.35	3,679,828.44	60.12	42.0	1,832	65.62	60.00	1.046E+00
South Carolina - Aiken County Permit No. 0080-0144 Ameresco Federal Solutions													
0080014401		1STACK - Biomass Cogeneration Boiler	2008		✓	436,002.16	3,681,877.04	79.25	100.0	325	59.61	68.14	1.144E+02
0080014402		2STACK - Biomass Cogeneration Boiler	2008		✓	436,015.32	3,681,859.30	78.28	100.0	325	59.61	68.14	1.144E+02
0080014403		KBIOB - Biomass Steam Generation Unit	2008		✓	438,359.75	3,674,696.84	82.98	49.0	450	53.71	19.68	3.720E-01
0080014404		LBIOB - Biomass Steam Generation Unit	2008		✓	441,886.13	3,674,882.91	76.85	49.0	450	53.71	19.68	3.720E-01
South Carolina - Barnwell County Permit No. 0300-0036 Savannah River Nuclear Solutions LLC Savannah River Site - D-Area Powerhouse													
0300003601		DPF1 - 484-D 398 x 106 blufnr Pulverized Coal Boiler	1952			431,022.38	3,673,966.77	39.08	125.0	370	35.00	118.56	1.103E+03
0300003602		DPF2 - 484-D 398 x 106 blufnr Pulverized Coal Boiler	1952			431,020.71	3,673,969.52	39.07	125.0	370	35.00	118.56	1.103E+03

Table 8. Backup Data for Point Source Parameters used in Air Quality Modeling Analysis (Georgia and South Carolina)

Modeled Source ID	Permitted Source Description	Construction Date	Increment	Stack Parameters										Short-term				Long-term			
				UTM NAD 83 Easting	UTM NAD 83 Northing	ASRA/NED 1 arc-sec Elevation	Stack Release Height	Stack Exit Temperature	Stack Exit Velocity	Stack Exit Diameter	Actual Exhaust Volumetric Flow Rate	Dry Standard Exhaust Volumetric Flow Rate	State	NO _x lb/hr	SO ₂ lb/hr	PM ₁₀ lb/hr	PM _{2.5} lb/hr	NO _x lb/hr	SO ₂ lb/hr	PM ₁₀ lb/hr	PM _{2.5} lb/hr
0310000201	1 Grain Dryer Georgia - Bulloch County AIRS 0310000201 Timber & Deal Farm Supply, Inc.	1976		428,860.20	3,592,728.40	51.68	40.0	78	7.80	14.00			2002 NEI SCC 32000304 Food and Agriculture, Food and Agriculture, Animal Elevation, Dryer	1.42E+00	1.63E-01	1.44E-01	2.55E+00	Same as short-term emission rates			
0310000204	DGM Dried-Lined Lumber Drying Kiln #4	1988	Volume Sources, Please refer to Table 1											7.39E-01	6.25E-01	2.14E-00	2.14E-00	Same as short-term emission rates			
0310000205	DGM Dried-Lined Lumber Drying Kiln #5	1989												7.39E-01	6.25E-01	2.14E-00	2.14E-00	Same as short-term emission rates			
031000101	Holtek Asphalt Plant Dryer Stack Georgia - Bulloch County AIRS 031000101 Reeves Construction Company Plant #10	unk	✓	420,053.18	3,592,140.49	52.01	28.5	286	64.25	42.00	37,082		#1923 and 20172 8100010 stack test	1.37E+01	1.27E+02	1.18E+01	1.18E+01	Same as short-term emission rates			
0310002001	1-1 200-tp Pitz Gibbon Boiler Georgia - Bulloch County AIRS 0310002001 Pitz Gibbon Lumber Company	1959		424,628.90	3,592,263.20	76.30	30.0	350	17.32	18.00	1,037		10/19/1973 stack test at 9.150 feet/min. maximum heat input and 5% O ₂ 1.197 assumed temp. for 9% O ₂	8.59E-01	3.95E+00	1.57E-01	1.52E-01	Same as short-term emission rates			
0310002002	1-2 100-tp Tusculum Boiler Georgia - Bulloch County AIRS 0310002002 Charles Howard Lumber Company	1984		424,628.90	3,592,263.20	76.30	40.0	350	8.66	18.00	918		598 Same as 0310002001	3.25E-01	1.95E+03	2.47E-02	2.47E-02	Same as short-term emission rates			
03100020K1	DPK1 Dried-Lined Lumber Drying Kiln #1	1980	Volume Sources, Please refer to Table 1											8.47E-01	4.59E-01	2.41E+00	2.41E+00	Same as short-term emission rates			
03100020K2	DPK2 Dried-Lined Lumber Drying Kiln #2	1980																Same as short-term emission rates			
0310003002	2 80-tp Boiler Georgia - Bulloch County AIRS 0310003002 Robbins Paction Co	1949		428,892.90	3,591,349.30	61.71	40.0	425	21.00	24.00			2002 NEI SCC 10300701 External Combustion, Oil Bullock, Natural Gas, <10 Million Btu/hr	3.29E-01	1.95E+03	2.47E-02	2.47E-02	Same as short-term emission rates			
0310003003	3 100-tp Boiler Georgia - Bulloch County AIRS 0310003003 Pitz Gibbon Lumber Company	1949		428,892.90	3,591,349.30	61.71	40.0	425	21.00	24.00			Same as 0310003002	3.29E-01	1.95E+03	2.47E-02	2.47E-02	Same as short-term emission rates			
031000401B	P01 Aluminum Rolling Tower P01B Aluminum Rolling Furnace	1985	✓	420,753.57	3,593,046.15	61.40	32.0	350	47.15	36.00	20,000		The application has submitted heights and actual volumetric flow rates for P01, P11, and P13. Stack release heights and actual volumetric flow rates were provided for the remaining emission units. assumed to result in a resonance velocity.	3.70E+00	1.00E+02	1.02E+00	1.02E+00	Same as short-term emission rates			
031000402	P02 Die Casting Machine	1985	✓	420,753.57	3,593,046.15	61.40	32.0	200	50.86	64.00	69,200		Information only for P01, P11, and P13. Stack release heights and actual volumetric flow rates were provided for the remaining emission units. assumed to result in a resonance velocity.	8.00E+02	1.70E+01	4.17E+00	4.17E+00	Same as short-term emission rates			
031000403	P03 Lumber Grinders	unk	Discharged inside building (emissions considered zero), March 27, 2006 EPA memo	420,753.57	3,593,046.15	61.40	32.0	305	49.62	26.00	12,730			0.00E+00	0.00E+00	0.00E+00	0.00E+00	Same as short-term emission rates			
031000404	P04A Dryer Roll Oven	1985	✓	420,753.57	3,593,046.15	61.40	32.0	305	49.62	26.00	12,730			6.19E+01	2.47E+02	3.00E+02	3.00E+02	Same as short-term emission rates			
031000406A	P06A Four-Stage Aquacore Parts Washer	1985	✓	420,753.57	3,593,046.15	61.40	32.0	105	47.33	52.00	41,865			3.10E+01	1.20E+03	2.00E+02	2.00E+02	Same as short-term emission rates			
031000407	P07 Engine Tailpipe Stacks	1985	✓	420,753.57	3,593,046.15	61.40	42.0	74	6.10	32.50	2,800			4.80E+03	3.00E+02	4.00E+02	4.00E+02	Same as short-term emission rates			
031000441	P11 Dynamometer Testing Stacks	1985	✓	420,753.57	3,593,046.15	61.40	32.0	74	91.13	32.50	31,500			1.20E+01	1.00E+02	1.00E+02	1.00E+02	Same as short-term emission rates			
031000442	P12 Exhaust Dryer Ovens	2004	✓	420,753.57	3,593,046.15	61.40	32.0	249	48.47	18.00	5,138			3.10E+01	1.20E+03	2.00E+02	2.00E+02	Same as short-term emission rates			
031000443	P13 Outfitter Engine Room Tail Stacks	2005	✓	420,753.57	3,593,046.15	61.40	32.0	74	52.07	32.50	18,000			1.20E+01	1.00E+02	1.00E+02	1.00E+02	Same as short-term emission rates			
031000481	D10A Boiler Georgia - Bulloch County AIRS 031000481 East Georgia Regional Medical Center	1995	✓	420,753.57	3,593,046.15	61.40	32.0	121	49.27	14.00	3,160			2.59E+00	1.00E+02	1.00E+01	1.00E+01	Same as short-term emission rates			
0310005201	B1 Cleve-Brooks 08200-300-125MW Boiler	1989	✓	427,595.99	3,586,613.62	64.02	27.8	325	27.69	20.00			#1935	1.79E+00	6.39E+00	2.99E-01	2.80E-01	Same as short-term emission rates			
0310005202	B2 Cleve-Brooks 08200-300-125MW Boiler	1989	✓	427,595.99	3,586,613.62	64.02	27.8	325	27.69	20.00			#1935	1.79E+00	6.39E+00	2.99E-01	2.80E-01	Same as short-term emission rates			
0310005203	Georgia - Bulloch County AIRS 0310005203 Wilson Combustion Turbine Plant	1995																Same as short-term emission rates			
0310005204	CTASA Paving Combustion Turbine	1972		430,217.17	3,655,856.79	63.43	50.0	750	97.64	192.28	1,218.57		#1931 CAR Monitoring Plan AIRS 0310005204 13' x 16' dia.	8.55E+02	4.59E+02	1.11E+01	1.09E+01	Same as short-term emission rates			

Table 8. Backup Data for Point Source Parameters used in Air Quality Modeling Analysis (Georgia and South Carolina)

Unit Description			Increment			Stack Parameters										Short-term				Long-term							
Modelled Source ID	Permitted Source ID	Source Description	Modification Date	Confinement Date	NO _x	SO ₂	PM ₁₀	PM _{2.5}	Emission Rate	UTM NAD 83 Easting	UTM NAD 83 Northing	ASRAAP NED 1 and 500 Elevation	Stack Release Height	Stack Exit Temperature	Stack Exit Velocity	Stack Exit Diameter	Actual Exhaust Volumetric Flow Rate	Beats	CAFR Monitoring Plan	NO _x	SO ₂	PM ₁₀	PM _{2.5}	PM ₁₀	PM _{2.5}	PM ₁₀	PM _{2.5}
0230000668	CT458	Peaking Combustion Turbine	1972						430.216.79	3,665,940.85	63.28	50.0	760	97.64	155.23	1.218.571	527.381.13 x 16" dia.	#18593	CAFR Monitoring Plan	8.554E-02	4.505E-02	1.119E-01	1.081E-01				
0230000669	CT460	Peaking Combustion Turbine	1972						430.216.54	3,656,916.11	63.22	50.0	780	97.64	155.23	1.218.571	527.381.13 x 16" dia.	#18593	CAFR Monitoring Plan	8.554E-02	4.505E-02	1.119E-01	1.081E-01				
0230000670	CT462	Peaking Combustion Turbine	1973						430.216.19	3,646,789.11	63.31	50.0	760	97.64	155.23	1.218.571	527.381.13 x 16" dia.	#18593	CAFR Monitoring Plan	8.554E-02	4.505E-02	1.119E-01	1.081E-01				
0230000671	CT456	Peaking Combustion Turbine	1973						430.216.75	3,655,782.98	63.70	50.0	760	97.64	155.23	1.218.571	527.381.13 x 16" dia.	#18593	CAFR Monitoring Plan	8.554E-02	4.505E-02	1.119E-01	1.081E-01				
0230000672	CT457	Peaking Combustion Turbine	1973						430.216.53	3,666,736.94	63.86	50.0	760	97.64	155.23	1.218.571	527.381.13 x 16" dia.	#18593	CAFR Monitoring Plan	8.554E-02	4.505E-02	1.119E-01	1.081E-01				
0330000673	VD01	Unit 1 Emergency Diesel Generator 1A	1981						428.765.22	3,657,252.28	65.40	63.0	700	9.00328	42.00	raincap			Virginia Units 3 and 4 PSD	2.339E-02	3.924E-01	4.005E-02	3.865E-02				
0330000674	VD02	Unit 1 Emergency Diesel Generator 1B	1981						428.776.92	3,657,252.05	65.07	63.0	700	9.00328	42.00	raincap			Virginia Units 3 and 4 PSD	2.295E-02	3.924E-01	4.005E-02	3.865E-02				
0330000675	VD03	Unit 2 Emergency Diesel Generator 2A	1981						428.884.22	3,657,252.58	64.53	63.0	700	9.00328	42.00	raincap			Virginia Units 3 and 4 PSD	2.328E-02	3.924E-01	4.005E-02	3.865E-02				
0330000676	VD04	Unit 2 Emergency Diesel Generator 2B	1981						428.994.86	3,657,252.28	64.56	63.0	700	9.00328	42.00	raincap			Virginia Units 3 and 4 PSD	2.339E-02	3.924E-01	4.005E-02	3.865E-02				
0330000677	FPD1	Replacement Fire Pump Diesel Unit 1	2010						428.063.04	3,667,455.93	61.41	25.0	660	150.00	5.00	1.252	500 #18585		Virginia Units 3 and 4 PSD	0.019E-02	3.277E-03	3.006E-01	3.006E-01				
0330000678	FPD2	Fire Pump Diesel Unit 2	1977						428.061.18	3,667,455.87	61.57	25.0	850	165.00	5.00	1.252	500 #18585		Virginia Units 3 and 4 PSD	1.175E-01	7.759E-01	8.369E-01	8.369E-01				
0330000679	SND1	Sanitary Diesel	1966						428.135.95	3,667,292.08	65.23	50.0	850	245.00	6.00	2.868	1.119 #18585		Virginia Units 3 and 4 PSD	2.40E-01	4.045E-02	4.601E-01	4.601E-01				
0330000680	CWS1	Circulating Water System Cooling Tower 1	unk						429.450.43	3,667,292.05	65.79	600.0	80	9.74	3560.00	50.000.000		Same as 0330000679	0.005E-02	0.005E-02	1.800E-02	1.800E-02					
0330000681	CWS2	Circulating Water System Cooling Tower 2	unk						429.448.13	3,667,514.53	63.01	600.0	80	9.74	3560.00	50.000.000		Same as 0330000679	0.005E-02	0.005E-02	1.800E-02	1.800E-02					
0330000682	SWS1	Service Water System Cooling Tower 1	unk						428.995.11	3,667,307.50	63.93	600.0	108	24.78	258.80	585.000		Same as 0330000679	0.005E-02	0.005E-02	8.000E-02	8.000E-02					
0330000683	SWS2	Service Water System Cooling Tower 2	unk						428.768.45	3,667,310.41	63.15	500.0	108	24.79	258.80	585.000		Same as 0330000679	0.005E-02	0.005E-02	8.000E-02	8.000E-02					
0330000684	VD05	Unit 3 Emergency Diesel Generator 1	2010						428.406.35	3,667,182.63	63.37	35.5	710	364.50	18.00	38.647	17.441 #18585		Virginia Units 3 and 4 PSD	1.972E-01	6.872E-02	1.800E-02	1.800E-02				
0330000685	VD06	Unit 3 Emergency Diesel Generator 2	2010						428.413.71	3,667,182.63	63.42	35.5	710	364.50	18.00	38.647	17.441 #18585		Virginia Units 3 and 4 PSD	1.972E-01	6.872E-02	1.800E-02	1.800E-02				
0330000686	VD07	Unit 4 Emergency Diesel Generator 1	2010						428.160.59	3,667,179.43	63.13	35.5	710	364.50	18.00	38.647	17.441 #18585		Virginia Units 3 and 4 PSD	1.972E-01	6.872E-02	1.800E-02	1.800E-02				
0330000687	VD08	Unit 4 Emergency Diesel Generator 2	2010						428.167.93	3,667,179.43	63.17	35.5	710	364.50	18.00	38.647	17.441 #18585		Virginia Units 3 and 4 PSD	1.972E-01	6.872E-02	1.800E-02	1.800E-02				
0330000688	FPD3	Unit 3 and 4 Fire Pump Diesel 1	2010						428.078.84	3,667,292.07	60.05	12.0	868	168.30	5.00	1.377	547 #18585		Virginia Units 3 and 4 PSD	1.210E-02	2.443E-03	5.458E-02	5.458E-02				
0330000689	FPD4	Unit 3 and 4 Fire Pump Diesel 2	2010						428.078.78	3,667,292.07	60.32	12.0	868	168.30	5.00	1.377	547 #18585		Virginia Units 3 and 4 PSD	1.210E-02	2.443E-03	5.458E-02	5.458E-02				
0330000690	FPD5	Unit 3 and 4 Fire Pump Diesel 3	2010						428.431.22	3,666,870.29	74.00	12.0	868	168.30	5.00	1.377	547 #18585		Virginia Units 3 and 4 PSD	1.210E-02	2.443E-03	5.458E-02	5.458E-02				
0330000691	AUX1	Unit 3 and 4 Auxiliary Diesel Generator 1	2010						428.354.04	3,667,119.69	70.33	12.0	860	169.80	3.00	500	210 #18585		Virginia Units 3 and 4 PSD	1.241E-02	1.115E-03	6.614E-02	6.614E-02				
0330000692	AUX2	Unit 3 and 4 Auxiliary Diesel Generator 2	2010						428.354.04	3,667,119.69	70.33	12.0	860	169.80	3.00	500	210 #18585		Virginia Units 3 and 4 PSD	1.241E-02	1.115E-03	6.614E-02	6.614E-02				
0330000693	AUX3	Unit 3 and 4 Auxiliary Diesel Generator 3	2010						428.116.71	3,667,116.85	69.28	12.0	800	168.80	3.00	520	210 #18585		Virginia Units 3 and 4 PSD	1.241E-02	1.115E-03	6.614E-02	6.614E-02				
0330000694	AUX4	Unit 3 and 4 Auxiliary Diesel Generator 4	2010						428.115.71	3,667,116.86	69.28	12.0	800	169.80	3.00	500	210 #18585		Virginia Units 3 and 4 PSD	1.241E-02	1.115E-03	6.614E-02	6.614E-02				
0330000695	CG01	Unit 3 and 4 Raw Water Diesel Generator	2010						429.689.29	3,666,570.91	74.18	20.0	851	252.10	12.00	11.880	4.705 #18585		Virginia Units 3 and 4 PSD	3.291E-01	1.985E-02	4.895E-01	4.895E-01				
0330000696	CWS3	Circulating Water System Cooling Tower 3	2010						427.995.25	3,666,795.15	71.21	600.0	80	9.74	3560.00	50.000.000		Virginia Units 3 and 4 PSD	0.005E-02	0.005E-02	1.800E-02	1.800E-02					
0330000697	CWS4	Circulating Water System Cooling Tower 4	2010						429.321.88	3,666,786.14	78.73	600.0	80	9.74	3560.00	50.000.000		Virginia Units 3 and 4 PSD	0.005E-02	0.005E-02	1.800E-02	1.800E-02					
0330000698	SWS3	Service Water System Cooling Tower 3	2010						428.022.55	3,667,251.05	65.06	500.0	108	24.78	258.80	586.000		Virginia Units 3 and 4 PSD	0.005E-02	0.005E-02	8.000E-02	8.000E-02					
0330000699	SWS4	Service Water System Cooling Tower 4	2010						428.268.78	3,667,252.78	69.05	500.0	108	24.78	258.80	586.000		Virginia Units 3 and 4 PSD	0.005E-02	0.005E-02	8.000E-02	8.000E-02					
0330000700	FP1916	1916 and 1917	2001						435.054.22	3,663,711.27	86.00	35.0	82	38.88	26.00	11.292	17.022 #2035		Same as short-term emission rates	3.077E-01	2.208E-02	1.629E-01	1.629E-01				
0330000701	FP1917	1917 and 1918	2001						435.054.22	3,663,711.27	86.00	35.0	82	38.88	26.00	11.292	17.022 #2035		Same as short-term emission rates	3.077E-01	2.208E-02	1.629E-01	1.629E-01				

Table 8. Backup Data for Point Source Parameters used in Air Quality Modeling Analysis (Georgia and South Carolina)

Unit Description			Increment		Stack Parameters										Short-term				Long-term			
Modeled Source ID	Permitted Source ID	Construction Date	NO _x	SO ₂	PM ₁₀	PM _{2.5}	Stack Release Height	Stack Exit Temperature	Stack Exit Velocity	Stack Exit Diameter	Actual Exhaust Volumetric Flow Rate	Dry Standard Exhaust Volumetric Flow Rate	Basis	NO _x	SO ₂	PM ₁₀	PM _{2.5}					
03300034818	P18 Lead Oxide Production	2001	✓				65.95	35.0	119	10.59	16.00	920	828 10/29/2009 stack test	0.000E+00	0.000E+00	3.124E-02	3.124E-02					
03300034803	P1C Lead Oxide Production	2001	✓				55.19	35.0	202	15.63	16.00	1,309	948 10/29/2009 stack test	0.000E+00	0.000E+00	8.289E-02	8.289E-02					
03300034827	P3 Paste Mixing	2001	✓				65.03	35.0	83	34.51	35.00	14,535	13,987 10/29/2009 stack test	0.000E+00	0.000E+00	5.275E-01	5.275E-01					
03300034802	P6 Three-Process Operation	2001	✓				65.11	35.0	80	37.21	60.00	43,839	42,054 10/29/2009 stack test	9.469E-01	5.870E-03	1.588E+00	1.588E+00					
03300034805	P6 Three-Process Operation	2001	✓				65.97	35.0	75	35.91	36.00	15,553	15,105 10/29/2009 stack test	9.495E-01	5.870E-03	5.807E-01	5.807E-01					
03300034808	P8A SLAY Churning Area	2000	✓				65.81	35.0	66	29.35	36.00	12,446	12,028 10/29/2009 stack test	0.000E+00	0.000E+00	6.480E-01	6.480E-01					
03300034809	P8B SLA Churning Area	2000	✓				65.81	35.0	87	35.96	36.00	15,208	14,125 10/29/2009 stack test	0.000E+00	0.000E+00	4.374E-01	4.374E-01					
03300034801	Georgia - Burke County AIRS 03300037 Reeves Construction Company GFL Wynnsboro Plant	unk	✓				76.85	34.0	250	74.66	42.00	43,086	32,051 10/4/2007 SCREENS	1.100E+01	1.321E+02	1.487E+01	1.487E+01					
03300034801	Georgia - Burke County AIRS 03300038 ASIA, Inc.	2008	✓				68.46	40.0	1,000	47.00	6.50	650	225 #19205 SCREENS	9.785E-01	0.000E+00	0.000E+00	0.000E+00					
03300034801	Georgia - Camden County AIRS 04300018 Allied Metals	2008	✓				68.45	40.0	1,300	28.00	6.50	387	116 #19225 SCREENS	1.831E-01	0.000E+00	0.000E+00	0.000E+00					
0430000801	Georgia - Camden County AIRS 04300011 Moore Wallace Inc	1995, 2008	✓				62.98	28.0	95	20.39	32.00	6,832	6,285 10/20/2009 stack test	0.000E+00	0.000E+00	2.963E+00	2.963E+00					
0430001181	Georgia - Effingham County AIRS 10300013 Georgia Transmission	1980	✓				66.64	30.0	350	10.25	18.00	1,068	709 # 770 bedframeSh	5.945E-01	5.851E-02	3.202E-02	3.202E-02					
1030001921	G1 Calapalisp CAT 3516 B TA Generator Set	2001	✓				38.97	25.0	847	241.38	14.00	15,482	6,254 #12924	3.727E+01	9.910E-01	2.161E+00	2.161E+00					
1030001922	G2 Calapalisp CAT 3516 B TA Generator Set	2001	✓				38.16	25.0	847	241.38	14.00	15,482	6,254 #12924	9.772E+01	9.910E-01	2.161E+00	2.161E+00					
1030001933	G3 Calapalisp CAT 3516 B TA Generator Set	2001	✓				39.32	25.0	847	241.38	14.00	15,482	6,254 #12924	3.727E+01	9.910E-01	2.161E+00	2.161E+00					
1030001934	G4 Calapalisp CAT 3516 B TA Generator Set	2001	✓				38.40	25.0	847	241.38	14.00	15,482	6,254 #12924	9.772E+01	9.910E-01	2.161E+00	2.161E+00					
1030001935	G5 Calapalisp CAT 3516 B TA Generator Set	2001	✓				39.45	25.0	847	241.38	14.00	15,482	6,254 #12924	3.727E+01	9.910E-01	2.161E+00	2.161E+00					
10700011039	Georgia - Emanuel County AIRS 10700011 Bayouliner Wood Products Swainsboro Dried-fired Lumber Drying (Kin #7) batch) converted	2005												1.789E+00	1.985E+00	5.030E+00	5.030E+00					
10700011K10	Georgia - Emanuel County AIRS 10700013 Limestone Industries	2005												1.789E+00	1.985E+00	5.030E+00	5.030E+00					
1070001981	B1 Bell Industries Lumber Drying Kin Boiler	1983					69.22	30.0	450	30.00	18.00	#1955		1.389E+00	1.580E-01	3.297E+00	3.297E+00					
1070001801	D03 3 Mezon Size PM 1200 Drying Ovens	unk	✓				96.42	24.0	70	37.40	14.00	#5995		4.377E-01	2.625E+03	3.327E-02	3.327E-02					
1070002181	B11 600-hp Boiler 1	2000	✓				75.92	24.0	390	29.07	24.00	5,480	3,404 #12119	2.854E+00	3.393E-01	1.537E-01	1.537E-01					
1070002182	B12 200-hp Boiler 2	2000	✓				76.20	24.0	390	14.54	24.00	2,740	1,702 #12119	1.427E+00	1.646E-01	7.695E-02	7.695E-02					
1070002585	B15 700-hp Boiler 5	2002	✓				75.60	24.0	350	34.11	24.00	6,429	4,191 #13648	3.329E+00	3.841E-01	1.739E-01	1.739E-01					
16300007107	208 Pellet Oven	1995	✓				85.26	20.0	130	11.90	12.00	542	485 #7737	3.891E-02	2.335E-04	2.957E-03	2.957E-03					
16300007266	14 14 Drying Pellets	1995	✓				89.26	20.0	130	11.90	12.00	542	485 #7737	7.792E-02	4.995E-04	5.914E-03	5.914E-03					
16300007014	14 14 Drying Pellets	1992	✓				89.26	4.0	490	75.62	4.00	398	230 #15930	3.832E+00	6.997E-01	3.332E-01	3.332E-01					

Table 8. Backup Data for Point Source Parameters used in Air Quality Modeling Analysis (Georgia and South Carolina)

[illegible]

Table 8. Backup Data for Point Source Parameters used in Air Quality Modeling Analysis (Georgia and South Carolina)

Unit Description				Increment				Stack Parameters										Short-term				Long-term			
Modelled Source ID	Permitted Source ID	Construction Date	Modification Date	NO _x	SO ₂	PM ₁₀	PM _{2.5}	UTM Easting	UTM Northing	AIRMAP NE Elevation	Stack Release Height	Stack Exit Temperature	Stack Exit Velocity	Stack Exit Diameter	Actual Exhaust Volumetric Flow Rate	Base Volumetric Flow Rate	Base SO ₂ Emission Rate	Base PM ₁₀ Emission Rate	Base PM _{2.5} Emission Rate	NO _x Emission Rate	SO ₂ Emission Rate	PM ₁₀ Emission Rate	PM _{2.5} Emission Rate		
090004107	H372 - H Canyon, H8 Line, 221-H, etc.	1995		✓	✓	✓		440,467.08	3,683,435.62	91.95	200.0	78	59.50	120.00	288,893	278,638	34.000E+00	0.000E+00	0.000E+00	3.370E+02	0.000E+00	0.000E+00	0.000E+00		
090004108	H828 - 725-IN Abrasive Blasting	1975	1992	✓	✓	✓	✓	439,318.70	3,678,031.65	91.19	6.0	-469	0.0028	0.00	virtual	virtual	0.000E+00	0.000E+00	1.172E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
090004109	H3544 - 2 Portable Air Compressors in D-Area	2000	2010	✓	✓	✓	✓	432,692.28	3,673,891.55	37.56	7.7	884	215.00	5.08	1,613	712	1,600E+00	1,600E+00	1,600E+00	2.270E+01	1,500E+00	1,600E+00	1,600E+00		
090004110	H3545 - 10 Portable Air Compressors	2000	2010	✓	✓	✓	✓	431,282.84	3,668,902.21	113.43	7.7	884	215.00	5.08	1,613	712	1,600E+00	1,600E+00	1,600E+00	1.140E+02	1,500E+00	1,600E+00	1,600E+00		
090004111	S297 - 221-S Zone 2 Stack, 221-S Prod., etc.	1998	2004	✓	✓	✓	✓	440,290.16	3,684,003.70	84.11	147.0	80	86.00	60.00	100,138	97,913	1,346E+01	7,413E+00	7,413E+00	2,340E+01	1,246E+01	7,413E+00	7,413E+00		
South Carolina - Aiken County Permit No. 0165-0098 Three Rivers Landfill																									
0900011201	Tub Grinder Engine	2005		✓				431,419.00	3,680,360.00	71.88	11.6	800	305.53	6.00	3,659	1,508	3,500E+01	2,000E+01	2,000E+01	1,102E+01	1,740E+00	2,000E+01	2,000E+01		
0900011202	Scalping Screen Engine	unk		✓				431,419.00	3,680,360.00	71.88	10.0	800	76.41	3.56	392	164	2,600E+00	4,100E+01	5,000E+02	2,600E+00	4,100E+01	5,000E+02	5,000E+02		
0900011203	Terminator Grider Engine	unk		✓				431,419.00	3,680,360.00	71.88	10.3	800	305.53	6.00	3,659	1,508	3,500E+01	1,700E+01	1,700E+01	9,740E+00	1,540E+00	1,700E+01	1,700E+01		
0900011204	Trammel Screen Engine	unk		✓				431,419.00	3,680,360.00	71.88	9.4	800	305.53	6.00	3,659	1,508	3,500E+01	4,000E+02	4,000E+02	2,240E+00	3,500E+01	4,000E+02	4,000E+02		
Volume Source, Please refer to Table 1																									
0900011205	Truck Traffic	unk		✓				431,455.35	3,678,828.44	90.12	42.0	1,632	95.62	60.00	77,307	17,859	1,046E+00	1,275E+00	1,275E+00	0.000E+00	0.000E+00	1,740E+00	1,740E+00		
0900011206	Pave	unk		✓				431,455.35	3,678,828.44	90.12	42.0	1,632	95.62	60.00	77,307	17,859	1,046E+00	1,275E+00	1,275E+00	0.000E+00	0.000E+00	1,740E+00	1,740E+00		
South Carolina - Aiken County Permit No. 0165-0144 American Federal Solutions																									
0900014401	157ACK - Biomass Cogeneration Boiler	2009		✓	✓	✓		435,002.16	3,691,877.04	79.25	100.0	325	90.61	66.14	85,343	57,403	3,100E+01	1,144E+02	4,200E+00	3,100E+01	1,144E+02	4,200E+00	4,200E+00		
0900014402	237ACK - Biomass Cogeneration Boiler	2008		✓	✓	✓		435,015.32	3,691,850.30	78.28	100.0	325	90.61	66.14	85,343	57,403	3,100E+01	1,144E+02	4,200E+00	3,100E+01	1,144E+02	4,200E+00	4,200E+00		
0900014403	K810B - Biomass Steam Generation Unit	2008		✓	✓	✓		435,359.75	3,674,696.84	82.95	48.0	450	93.71	15.88	6,807	3,350	2,980E+00	3,720E+01	2,980E+00	2,980E+00	3,720E+01	2,980E+00	2,980E+00		
0900014404	L810S - Biomass Steam Generation Unit	2009		✓	✓	✓		441,886.13	3,674,882.91	76.85	45.0	450	93.71	15.88	6,807	3,350	2,980E+00	3,720E+01	2,980E+00	2,980E+00	3,720E+01	2,980E+00	2,980E+00		
South Carolina - Allendale County Permit No. 0165-0098 Clariant Corporation																									
0160009501	Boiler #1	1999		✓				455,144.27	3,655,701.15	48.69	42.0	350	34.50	30.96	18,028	11,792	1,000E+01	1,896E+01	3,700E+01	1,000E+01	1,896E+01	3,700E+01	3,700E+01		
0160009502	Boiler #2	1999		✓				455,147.76	3,655,700.35	48.61	42.0	350	40.00	30.96	20,302	13,626	1,000E+01	1,195E+01	2,570E+01	1,000E+01	1,195E+01	2,570E+01	2,570E+01		
0160009503	Scrubbers	1999		✓				454,895.43	3,655,126.05	43.15	94.9	70	93.95	28.96	28,192	28,095	0.000E+00	0.000E+00	1,364E+01	0.000E+00	0.000E+00	1,364E+01	1,364E+01		
South Carolina - Barnwell County Permit No. 0306-0018 Savannah River Site - D-Area Powerhouse																									
0900093501	DPF1 - 484-D 398 x 105 bluh-Powered Coal Boiler	1992						431,022.38	3,673,985.77	38.08	125.0	370	35.00	115.55	160,889	102,418	3,191E+02	1,195E+02	7,220E+01	3,191E+02	1,195E+02	7,220E+01	7,220E+01		
0900093502	DPF2 - 484-D 398 x 105 bluh-Powered Coal Boiler	1992						431,020.71	3,673,989.52	38.07	125.0	370	35.00	115.55	150,889	102,418	3,191E+02	1,195E+02	7,220E+01	3,191E+02	1,195E+02	7,220E+01	7,220E+01		
Only two of the four DPF boilers may operate at any given time. Matched with 1 and 2.																									
0900093503	DPF3 - 484-D 398 x 105 bluh-Powered Coal Boiler	1992																							
0900093504	DPF4 - 484-D 398 x 105 bluh-Powered Coal Boiler	1992																							
Area source not included in modeling assessment (exceeding value is less than 20; only point sources are included)																									
0900093505	DP219	unk																							
0900093506	DP35 - 484-D Coal Handling Operations	1992																							
0900093507	DP216 - Coal Storage Pile	1992																							

Table 9. Backup Data for Volume Source Parameters used in Air Quality Modeling Analysis (Georgia and South Carolina)

Unit Description				Increment				Volume Source Parameters										Short-term				Long-term			
Modeled Source ID	Permitted Source ID	Source Description	Construction Date	Modification Date	NO _x	SO ₂	PM ₁₀	PM _{2.5}	UTM Easting	UTM NAD 83 Northing	Elevation	Release Height	Horizontal Dimension	Vertical Dimension	Basis	NO _x lb/hr	SO ₂ lb/hr	PM ₁₀ lb/hr	PM _{2.5} lb/hr	NO _x lb/hr	SO ₂ lb/hr	PM ₁₀ lb/hr	PM _{2.5} lb/hr		
Georgia - Bulloch County																									
AIRS 03100005 W.M. Sheppard Lumber Company																									
03100005K4	DK04	Dried-fired Lumber Drying Kiln #4	1998		✓				438,293.75	3,579,705.34	39.29	35	10.72	16.28 25' W x 85' x 35' h	single elevated volume source on or adj to building	7.6395E-01	6.260E-01	2.143E+00	2.143E+00	Same as short-term emission rates					
03100005K5	DK05	Dried-fired Lumber Drying Kiln #5	1999		✓				438,375.83	3,579,700.40	37.85	35	10.72	16.28 same as 03100005K4		7.6395E-01	6.260E-01	2.143E+00	2.143E+00	"					
Georgia - Bulloch County																									
AIRS 03100028 Claude Howard Lumber Company																									
03100028K1	DKY1	Dried-fired Lumber Drying Kiln #1	1980						427,118.28	3,588,883.68	62.05	42	68.90	74.80 10'11'2005 SCREEN3		8.478E-01	4.500E-01	2.411E+00	2.411E+00	Same as short-term emission rates					
03100028K2	DKY2	Dried-fired Lumber Drying Kiln #2	1980						427,145.49	3,588,874.80	61.55	42	68.90	74.80 same as 03100028K1		8.478E-01	5.000E-01	2.411E+00	2.411E+00	"					
Georgia - Emanuel County																									
AIRS 10700011 Raychler Wood Products Swainsboro																									
10700011K09	DK09	Kiln #9 (continuous)			✓				374,904.38	3,597,713.56	76.19	27	14.71	12.56 40' W x 100' x 27' h	single elevated volume source on or adj to building	1.769E+00	1.965E+00	5.030E+00	5.030E+00	Same as short-term emission rates					
10700011K10	DK10	Kiln #10 (continuous)			✓				374,942.32	3,597,713.56	75.84	27	14.71	12.56 same as 10711K09		1.769E+00	1.965E+00	5.030E+00	5.030E+00	"					
South Carolina - Alcorn County																									
Permit No. 0082-0112 Three Rivers Landfill																									
0080011205		Truck Traffic	unk						431,416.00	3,680,380.00	71.88	3	45.77	5.05 AIR_0080.xls	SC DEHC	0.000E+00	0.000E+00	1.784E+00	1.784E+00	Same as short-term emission rates					