

EXHIBIT A:

Modeling In Support of Two Unit Operating Configurations

Unit 2 & Unit 4 Operation – SO2 Table

Mirant Potomac, Alexandria, Virginia
Maximum Impacts Predicted by AERMOD-PRIME
Compliance Based on Highest, Second-Highest Short-term and Highest Annual Concentrations
Unit 2 cycling - 8hrs min / 8hrs max / 8hrs off. Unit 4 24 hrs @ 100% load
SO2 = 0.25 lb/MMBtu on both units.

Year	Pollutant	Averaging Period	AERMOD-PRIME	Monitored Background	AERMOD-PRIME + Background	NAAQS	Impact Location		Distance	Direction	Ground Elevation	Flagpole Elevation
							X (m)	Y (m)				
2000	SO ₂	3-hour	575	238.4	814	1300	322787.7	4298786.0	174.8	354	4.6	39.6
		24-hour	301	53.0	354	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	26	15.7	41	80	322787.7	4298786.0	174.8	354	4.6	39.6
2001	SO ₂	3-hour	598	238.4	836	1300	322787.7	4298786.0	174.8	354	4.6	39.6
		24-hour	277	53.0	330	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	29	15.7	44	80	322787.7	4298786.0	174.8	354	4.6	39.6
2002	SO ₂	3-hour	588	238.4	826	1300	322787.7	4298786.0	174.8	354	4.6	39.6
		24-hour	283	53.0	336	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	24	15.7	40	80	322787.7	4298786.0	174.8	354	4.6	39.6
2003	SO ₂	3-hour	552	238.4	791	1300	322787.7	4298786.0	174.8	354	4.6	39.6
		24-hour	191	53.0	244	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	13	15.7	29	80	322787.7	4298786.0	174.8	354	4.6	39.6
2004	SO ₂	3-hour	498	238.4	737	1300	322787.7	4298786.0	174.8	354	4.6	39.6
		24-hour	182	53.0	235	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	18	15.7	34	80	322787.7	4298786.0	174.8	354	4.6	39.6

* Includes annual capacity factor of 65%

Unit 2 & Unit 4 Operation – PM10 & NOx Table

Mirant Potomac, Alexandria, Virginia

Maximum Impacts Predicted by AERMOD-PRIME

Compliance Based on Highest, Second-Highest Short-term and Highest Annual Concentrations

Unit 2 cycling - 8hrs min / 8hrs max / 8hrs off. Unit 4 24 hrs @ 100% load

PM10 = 0.06 lb/MMBtu on both units.

Year	Pollutant	Averaging Period	AERMOD-PRIME	Monitored Background	AERMOD-PRIME + Background	NAAQS	Impact Location		Distance	Direction	Ground Elevation	Flagpole Elevation
							X (m)	Y (m)				
2000	PM ₁₀	24-hour	75	45	120	150	322787.7	4298786.0	174.8	deg	m	m
		Annual*	9	21	30	50	322810.6	4298329.0	283.1	354	4.6	39.6
2001	PM ₁₀	24-hour	77	45	122	150	322810.6	4298329.0	283.1	179	10.6	0.0
		Annual*	9	21	30	50	322888.9	4298533.5	114.8	179	10.6	0.0
2002	PM ₁₀	24-hour	70	45	115	150	322787.7	4298786.0	174.8	133	7.0	0.0
		Annual*	9	21	30	50	322810.6	4298329.0	283.1	354	4.6	39.6
2003	PM ₁₀	24-hour	63	45	108	150	322810.6	4298329.0	283.1	179	10.6	0.0
		Annual*	10	21	31	50	322810.6	4298329.0	283.1	179	10.6	0.0
2004	PM ₁₀	24-hour	55	45	100	150	322810.6	4298329.0	283.1	179	10.6	0.0
		Annual*	9	21	30	50	322810.6	4298329.0	283.1	179	10.6	0.0

* Includes annual capacity factor of 65%

NOx = 0.24 lb/MMBtu for Unit 2, 0.45 lb/MMBtu for Unit 4

Year	Pollutant	Averaging Period	AERMOD-PRIME	Monitored Background	AERMOD-PRIME + Background	NAAQS	Impact Location		Distance	Direction	Ground Elevation	Flagpole Elevation
							X (m)	Y (m)				
2000	NO ₂	Annual*	24	48.9	73	100	322787.7	4298786.0	174.8	deg	m	m
		Annual*	27	48.9	76	100	322787.7	4298786.0	174.8	354	4.6	39.6
2001	NO ₂	Annual*	23	48.9	72	100	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	15	48.9	64	100	322854.0	4298627.0	51.0	73	4.6	39.6
2002	NO ₂	Annual*	17	48.9	66	100	322787.7	4298786.0	174.8	354	5.0	39.6
		Annual*	17	48.9	66	100	322787.7	4298786.0	174.8	354	4.6	39.6

Note: Assumes 75% NOx to NO₂ conversion.

* Includes annual capacity factor of 65%

Unit 4 & Unit 5 Operation – SO2 Table

Mirant Potomac, Alexandria, Virginia

Maximum Impacts Predicted by AERMOD-PRIME

Compliance Based on Highest, Second-Highest Short-term and Highest Annual Concentrations

Units 1-3 Off, Units 4 & 5 on 12 hrs @ 100% load and 12 hrs at 35% load.

SO2 = 0.30 lb/MMBtu on both units. Run 0600 - 1800 at 100% load, and the rest at 35% load on all units.

Year	Pollutant	Averaging Period	AERMOD-PRIME	Monitored Background	AERMOD-PRIME + Background		NAAQS	Impact Location		Distance	Direction	Ground Elevation	Flagpole Elevation
					Concentrations (µg/m ³)	Background		X (m)	Y (m)				
2000	SO ₂	3-hour	524	238.4	763	1300	322787.7	4298786.0	174.8	354	4.6	39.6	
		24-hour	286	53.0	339	365	322787.7	4298786.0	174.8	354	4.6	39.6	
		Annual*	25	15.7	41	80	322787.7	4298786.0	174.8	354	4.6	39.6	
2001	SO ₂	3-hour	619	238.4	857	1300	322787.7	4298786.0	174.8	354	4.6	39.6	
		24-hour	303	53.0	356	365	322787.7	4298786.0	174.8	354	4.6	39.6	
		Annual*	29	15.7	44	80	322787.7	4298786.0	174.8	354	4.6	39.6	
2002	SO ₂	3-hour	555	238.4	793	1300	322770.8	4298791.5	182.7	349	6.1	39.6	
		24-hour	276	53.0	329	365	322787.7	4298786.0	174.8	354	4.6	39.6	
		Annual*	23	15.7	39	80	322787.7	4298786.0	174.8	354	4.6	39.6	
2003	SO ₂	3-hour	467	238.4	705	1300	322787.7	4298786.0	174.8	354	4.6	39.6	
		24-hour	171	53.0	224	365	322787.7	4298786.0	174.8	354	4.6	39.6	
		Annual*	12	15.7	28	80	322787.7	4298786.0	174.8	354	4.6	39.6	
2004	SO ₂	3-hour	478	238.4	717	1300	322787.7	4298786.0	174.8	354	4.6	39.6	
		24-hour	158	53.0	211	365	322787.7	4298786.0	174.8	354	4.6	39.6	
		Annual*	16	15.7	32	80	322787.7	4298786.0	174.8	354	4.6	39.6	

* Includes annual capacity factor of 65%

Unit 4 & Unit 5 Operation – PM10 & NOx Table

Mirant Potomac, Alexandria, Virginia

Maximum Impacts Predicted by AERMOD-PRIME

Compliance Based on Highest, Second-Highest Short-term and Highest Annual Concentrations

Units 1-3 Off Units 4 & 5 on 12 hrs @ 100% load and 12 hrs at 35% load.

PM10 = 0.06 lb/MMBtu on both units.

Year	Pollutant	Averaging Period	AERMOD-PRIME	Monitored Background Concentrations (µg/m ³)		NAAQS	Impact Location		Distance	Direction	Ground Elevation	Flagpole Elevation
				AERMOD-PRIME + Background	Background		X (m)	Y (m)				
2000	PM ₁₀	24-hour	73	45	118	150	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	9	21	30	50	322810.6	4298329.0	283.1	179	10.6	0.0
2001	PM ₁₀	24-hour	77	45	122	150	322810.6	4298329.0	283.1	179	10.6	0.0
		Annual*	9	21	30	50	322810.6	4298329.0	283.1	179	10.6	0.0
2002	PM ₁₀	24-hour	66	45	111	150	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	9	21	30	50	322810.6	4298329.0	283.1	179	10.6	0.0
2003	PM ₁₀	24-hour	62	45	107	150	322810.6	4298329.0	283.1	179	10.6	0.0
		Annual*	11	21	32	50	322810.6	4298329.0	283.1	179	10.6	0.0
2004	PM ₁₀	24-hour	55	45	100	150	322810.6	4298329.0	283.1	179	10.6	0.0
		Annual*	10	21	31	50	322810.6	4298329.0	283.1	179	10.6	0.0

* Includes annual capacity factor of 65%

NOx = 0.24 lb/MMBtu on both units.

Year	Pollutant	Averaging Period	AERMOD-PRIME	Monitored Background Concentrations (µg/m ³)		NAAQS	Impact Location		Distance	Direction	Ground Elevation	Flagpole Elevation
				AERMOD-PRIME + Background	Background		X (m)	Y (m)				
2000	NO ₂	Annual*	18	48.9	67	100	322787.7	4298786.0	174.8	354	4.6	39.6
2001	NO ₂	Annual*	20	48.9	69	100	322787.7	4298786.0	174.8	354	4.6	39.6
2002	NO ₂	Annual*	16	48.9	65	100	322787.7	4298786.0	174.8	354	4.6	39.6
2003	NO ₂	Annual*	9	48.9	57	100	322854.0	4298627.0	51.0	73	5.0	39.6
2004	NO ₂	Annual*	11	48.9	60	100	322787.7	4298786.0	174.8	354	4.6	39.6

Note: Assumes 75% NOx to NO₂ conversion.

* Includes annual capacity factor of 65%

Unit 1 & Unit 3 Operation – SO2 Table

Mirant Potomac, Alexandria, Virginia

Maximum Impacts Predicted by AERMOD-PRIME

Compliance Based on Highest, Second-Highest Short-term and Highest Annual Concentrations

Unit 1 cycling min-max. Unit 3 at Max load 24 hours

SO2 = 0.28 lb/MBtu for both units.

Year	Pollutant	Averaging Period	AERMOD-PRIME	Monitored Background Concentrations (µg/m ³)	AERMOD-PRIME + Background	NAAQS	Impact Location		Distance	Direction	Ground Elevation	Flagpole Elevation
							X (m)	Y (m)				
2000	SO ₂	3-hour	565	238.4	803	1300	322787.7	4298786.0	174.8	354	4.6	39.6
		24-hour	344.7	20.0	364.7	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	31	15.7	47	80	322787.7	4298786.0	174.8	354	4.6	39.6
2001	SO ₂	3-hour	582	238.4	821	1300	322770.8	4298791.5	182.7	349	6.1	39.6
		24-hour	298	20.0	318	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	34	15.7	50	80	322787.7	4298786.0	174.8	354	4.6	39.6
2002	SO ₂	3-hour	561	238.4	799	1300	322770.8	4298791.5	182.7	349	6.1	39.6
		24-hour	326	20.0	346	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	29	15.7	45	80	322787.7	4298786.0	174.8	354	4.6	39.6
2003	SO ₂	3-hour	570	238.4	808	1300	322787.7	4298786.0	174.8	354	4.6	39.6
		24-hour	244	20.0	264	365	322854.0	4298627.0	51.0	73	5.0	0.0
		Annual*	20	15.7	35	80	322854.0	4298627.0	51.0	73	5.0	0.0
2004	SO ₂	3-hour	517	238.4	756	1300	322763.3	4298799.5	192.1	347	6.5	39.6
		24-hour	216	20.0	236	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	22	15.7	37	80	322787.7	4298786.0	174.8	354	4.6	39.6

* Includes annual capacity factor of 65%

Note: PM10 and NOx were not run through the model for the Unit 1 & Unit 3 case, as all two-unit cases modeled to date show compliance with the NAAQS standards for these pollutants by wide margins. Mirant will provide these model results upon request.

Unit 1 & Unit 5 Operation – SO2 Table

Mirant Potomac, Alexandria, Virginia
Maximum Impacts Predicted by AERMOD-PRIME
Compliance Based on Highest, Second-Highest Short-term and Highest Annual Concentrations
Unit 1 cycling min-max. Unit 5 at Max load 24 hours
 SO2 = 0.51 lb/MBtu for both units.

Year	Pollutant	Averaging Period	AERMOD-PRIME	Monitored Background Concentrations (µg/m ³)	AERMOD-PRIME + Background	NAAQS	Impact Location		Distance	Direction	Ground Elevation	Flagpole Elevation
							X (m)	Y (m)				
2000	SO ₂	3-hour	668	238.4	907	1300	322787.7	4298786.0	174.8	354	4.6	39.6
		24-hour	323.5	20.0	343	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	25	15.7	40	80	322787.7	4298786.0	174.8	354	4.6	39.6
2001	SO ₂	3-hour	894	238.4	1,132	1300	322763.3	4298799.5	192.1	347	6.5	39.6
		24-hour	334	20.0	354	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	29	15.7	45	80	322787.7	4298786.0	174.8	354	4.6	39.6
2002	SO ₂	3-hour	788	238.4	1,027	1300	322763.3	4298799.5	192.1	347	6.5	39.6
		24-hour	341	20.0	361	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	23	15.7	39	80	322787.7	4298786.0	174.8	354	4.6	39.6
2003	SO ₂	3-hour	543	238.4	782	1300	322787.7	4298786.0	174.8	354	4.6	39.6
		24-hour	204	20.0	224	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual*	12	15.7	28	80	322787.7	4298786.0	174.8	354	4.6	39.6
2004	SO ₂	3-hour	632	238.4	870	1300	322717.6	4298816.5	222.4	337	8.8	39.6
		24-hour	196	20.0	216	365	322700.9	4298819.5	232.2	333	10.3	39.6
		Annual*	16	15.7	32	80	322787.7	4298786.0	174.8	354	4.6	39.6

* Includes annual capacity factor of 65%

Note: PM10 and NOx were not run through the model for the Unit 1 & Unit 5 case, as all two-unit cases modeled to date show compliance with the NAAQS standards for these pollutants by wide margins. Mirant will provide these model results upon request.