

Mirant Potomac, Alexandria, Virginia

Maximum Impacts Predicted by AERMOD-PRIME

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

SO2 - Unit 1-2 cycling with 4 hrs at full load, 4 hrs at min load, 16 hrs off. Unit 3 at full load, 24 hours On. 0.24 lb/MMbtu for all units.

Year	Pollutant	Averaging Period	AERMOD-PRIME	Monitored Background	AERMOD-PRIME + Background	NAAQS	Impact Location		Distance m	Direction deg	Ground Elevation m	Flagpole Elevation m
							Concentrations (µg/m ³)					
2000	SO ₂	3-hour	721	238.4	960	1300	322770.8	4298791.5	182.7	349	6.1	39.6
		24-hour	305	21.0	326	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual	44	15.7	59	80	322787.7	4298786.0	174.8	354	4.6	39.6
2001	SO ₂	3-hour	743	238.4	982	1300	322770.8	4298791.5	182.7	349	6.1	39.6
		24-hour	268	21.0	289	365	322770.8	4298791.5	182.7	349	6.1	39.6
		Annual	48	15.7	64	80	322787.7	4298786.0	174.8	354	4.6	39.6
2002	SO ₂	3-hour	744	238.4	983	1300	322763.3	4298799.5	192.1	347	6.5	39.6
		24-hour	284	21.0	305	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual	42	15.7	57	80	322787.7	4298786.0	174.8	354	4.6	39.6
2003	SO ₂	3-hour	755	238.4	994	1300	322787.7	4298786.0	174.8	354	4.6	39.6
		24-hour	257	21.0	278	365	322854.0	4298627.0	51.0	73	5.0	0.0
		Annual	29	15.7	45	80	322854.0	4298627.0	51.0	73	5.0	0.0
2004	SO ₂	3-hour	619	238.4	857	1300	322770.8	4298791.5	182.7	349	6.1	39.6
		24-hour	207	21.0	228	365	322787.7	4298786.0	174.8	354	4.6	0.0
		Annual	33	15.7	48	80	322854.0	4298627.0	51.0	73	5.0	0.0