

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 8 hrs at full load, 4 hrs at min load, 12 hrs off. Unit 4 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	654	238.4	892	1300	322787.7	4298786.0	174.8	354	4.6	39.6
		24-hour	299	53.0	352	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual	38	15.7	54	80	322787.7	4298786.0	174.8	354	4.6	39.6
2001	SO ₂	3-hour	713	238.4	952	1300	322787.7	4298786.0	174.8	354	4.6	39.6
		24-hour	273	53.0	326	365	322770.8	4298791.5	182.7	349	6.1	39.6
		Annual	42	15.7	57	80	322787.7	4298786.0	174.8	354	4.6	39.6
2002	SO ₂	3-hour	684	238.4	922	1300	322763.3	4298799.5	192.1	347	6.5	39.6
		24-hour	277	53.0	330	365	322770.8	4298791.5	182.7	349	6.1	39.6
		Annual	37	15.7	52	80	322787.7	4298786.0	174.8	354	4.6	39.6
2003	SO ₂	3-hour	670	238.4	909	1300	322787.7	4298786.0	174.8	354	4.6	39.6
		24-hour	204	53.0	257	365	322787.7	4298786.0	174.8	354	4.6	39.6
		Annual	19	15.7	35	80	322787.7	4298786.0	174.8	354	4.6	39.6
2004	SO ₂	3-hour	585	238.4	823	1300	322770.8	4298791.5	182.7	349	6.1	39.6
		24-hour	191	53.0	244	365	322880.8	4298542.5	102.7	133	6.7	0.0
		Annual	26	15.7	42	80	322787.7	4298786.0	174.8	354	4.6	39.6