

1-Hour Sulfur Dioxide National Ambient Air Quality Standard per Year and 3-Year Averages

updated 8/28/2024

Concentration in ppb

AIRS ID Site	260810020 Grand Rapids		261630001 Allen Park		261630015 Detroit - SW		261470005 Port Huron		260650012/18 Lansing		261390005 Jenison		261150006 Sterling State Park		261390011 West Olive		261630097 NMH 48217		261630098 DP4th		261630099 Trinity		261630100 Military Park	
	1-Hr	Avg	1-Hr	Avg	1-Hr	Avg	1-Hr	Avg	1-Hr	Avg	99th	Avg	1-Hr	Avg	1-Hr	Avg	1-Hr	Avg	1-Hr	Avg	1-Hr	Avg	1-Hr	Avg
2000					114																			
2001					129																			
2002					133																			
2003					122																			
2004					130	128																		
2005					125	126																		
2006	18				130	128		143	140															
2007	15				111	122																		
2008	12.6	15	70		101	114																		
2009	12.7	13	41.9		79	97																		
2010	17.8	14	57.2	56	107	96																		
2011	8.4	13	46.7	49	84	90																		
2012	9.7	12	48.9	51	80.2	90	73.6		20		16.1													
2013	10.2	9	43.1	46	65.6	77	72.6		19		13.6		18.4											
2014	11	10	55.6	49	71.5	72	62.3	70	14.7	18			17.9											
2015	9.8	10	33.6	44	55.2	64	76	70	13.4	16			17.6	18	32.9									
2016	5.8	9	25.5	38	58.5	62	51.8	63	9.8	13			13.6	16	20									
2017	4	7	23.4	28	70.4	61	55.2	61	7.9	10			8.0	13	20.5	24	27.8							
2018	4.4	5	20.3	23	67.0	65	82.1	63	5.7	8			4.2	9	12.8	18	25.1		18.5		22.9			
2019	2.4	4	21.5	22	60.7	69	63.9	67	3.5	6			8.8	7	13.6	16	26.6	27	18.9		26		31.9	
2020	2.7	3	14.7	19	43.3	57	76.4	74	4.2	4			6.9	7	15.2	14	17.0	23	17.0	18	16.1	22	32.5	32
2021	4.5	3	13.8	17	37.3	47	70.8	70	4.5	4			--	--	--	--	14.3	19	15.5	17	19.6	21	21.6	29
2022	3.4	4	24.2	18	43.2	41	108.2	85	5.5	5			--	--	--	--	16.8	16	16.4	16	20.0	19	31.1	28
2023	2.8	3	11.2	16	34.9	38	55.2	78	2.4	4			--	--	--	--	18.0	16	14.0	15	15.1	18	30.0	29

The sulfur dioxide NAAQS is met when the 99th percentile of the 1-hour concentration averaged over a 3-year period does not exceed 75 ppb.

In 2010 the EPA changed sulfur dioxide standard from an annual standard to a 1-hour standard.

Red numbers indicate concentrations above the NAAQS.

Green numbers indicate an incomplete year of data.