

Attachment 2: Missouri SO₂ Monitoring Summary (As of 4/4/16)



1-HOUR Sulfur Dioxide (SO₂)^a

Report Date 4/4/2016

Site	County	99th Percentile 1-hour Average (ppb)					# of Exceedances 75 ppb (2010 Std)	Design Value Year-to-Date			
		2012	2013	2014	2015	2016 ^{cd}		2016 ^c	12-14	13-15	14-16 ^e
St. Louis											
Herc. Mott	Jefferson	268	143	18	38	9	172	0	143	66	22
Blair Steet	St. Louis City	56	42	41	24	5	163	0	46	36	23
Margaretta	St. Louis City	36	20	22	17	8	189	0	26	19	16
Valley*	Franklin				30	5	N/A	0	***	***	***
Northwest*	St. Charles				28	9	N/A	0	***	***	***
Natchez^	Jefferson				9	10	N/A	0			***
Weaver^	Jefferson				3	8	N/A	0			***
Kansas City											
Troost	Jackson	167	156	125	142	7	CV exceeded	0	149	141	91
Springfield											
Wildwood Lane	Greene	52	29	†			N/A	0	***	***	***
James River South	Greene	36	27	34	16	3	178	0	32	25	18
South Charleston	Greene	41	31	33	14	2	181	0	35	26	16
Outstate											
Buick Northeast	Iron	91	85	52	42	36	134	0	76	60	43
Mark Twain S.P.**	Monroe	8	8	9	6	4	213	0	***	8	6
							0				

^aQuality assured data through December 31, 2015.

^cYear-to-date data has not been quality assured and is preliminary data. Do not quote, do not cite.

^dFor 2016 the 1-hour SO₂ concentrations are the 4th highest daily maximum 1-hour SO₂ average concentration measured year-to-date.

*Monitoring began on 4/22/2015.

**Mark Twain State Park resumed background SO₂ monitoring on 7/1/2012.

^Monitoring began on 12/16/2015

†Monitoring discontinued on 5/31/2014.

***3-year design value can not be calculated. Design values in red are violations of the standard.

CV - 75: The Critical Value (CV) is the current Year's 99th percentile which, if monitored, could yield a violation of the SO₂ NAAQS for the most current three year period. (CV = 228ppb – Last year's 99th percentile – previous year's 99th percentile)

The highlighted field indicates that the data set does not meet the completeness criteria of 40 CFR Part 50 Appendix T, Section 3 for the given site. Use of incomplete data for designation purposes is subject to EPA approval consistent with 40 CFR Part 50 Appendix T, 3. (d.)

Data Disclaimer:

Recent monitoring data is raw data. It has not been validated and may contain errors.

1. The data is obtained from automated, continuous instruments; no human has reviewed or checked the accuracy of recent data.
2. The recent data has been subject to only preliminary automated quality assurance procedures.
3. Special conditions such as power outages and equipment malfunction can produce data that is invalid.
4. This data is made available for the purpose of public awareness and should not be used in any medical or other scientific study and should not be relied on for any particular regulatory purpose.
5. Data rounding differences may exist between this report and reports generated by EPA's Air Quality System (AQS). In most cases historical data should be close to values calculated in AQS but differences are possible.
6. Quality assured data can be obtained by contacting the Missouri Department of Natural Resources Air Pollution Control Program. Typically, quality assured data is available in EPA's AQS System 90 days after the calendar quarter in which the data was measured. Ambient air monitoring data for a given year is not typically certified in AQS until May 1st of the following year. (e.g. For data monitored from January 1, 2015 through December 31, 2015, the data will not be certified in AQS until May 1, 2016.)