

10 CSR 10-6.010 Ambient Air Quality Standards

Pollutant		Primary/ Secondary Standard	Averaging Time	Level	Form	Reference Method
Carbon monoxide		Primary	8-hour	9 parts per million	Not to be exceeded more than once per year	As specified in 10 CSR 10-6.040(4)(C)
			1-hour	35 parts per million		
Lead (2008)		Primary and secondary	Rolling 3-month average	0.15 micrograms per cubic meter	Not to be exceeded (see 10 CSR 10-6.040(4)(O))	As specified in 10 CSR 10-6.040(4)(G)
Lead (1978)*		Primary	Calendar quarter mean	1.5 micrograms per cubic meter	Not to be exceeded	As specified in 10 CSR 10-6.040(4)(G)
Nitrogen dioxide		Primary	1-hour	100 parts per billion	98th percentile, averaged over 3 years	As specified in 10 CSR 10-6.040(4)(F)
		Primary and secondary	Annual	0.053 parts per million, equal to 53 parts per billion	Annual mean	
Ozone (2008)		Primary and secondary	8-hour	0.075 parts per million	Annual fourth-highest daily maximum 8-hour, averaged over 3 years (see 10 CSR 10-6.040(4)(N))	As specified in 10 CSR 10-6.040(4)(D)
Ozone (1997)**		Primary	8-hour	0.08 parts per million	Annual fourth-highest daily maximum 8-hour, averaged over 3 years (see 10 CSR 10-6.040(4)(I))	As specified in 10 CSR 10-6.040(4)(D)
Particle pollution (2012)		Primary	Annual	12 micrograms per cubic meter	Annual mean, averaged over 3 years	As specified in 10 CSR 10-6.040(4)(L)
		Secondary	Annual	15 micrograms per cubic meter	Annual mean, averaged over 3 years	
		Primary and secondary	24-hour	35 micrograms per cubic meter	98th percentile, averaged over 3 years (see 10 CSR 10-6.040(4)(M))	
Particulate matter 10 micron (PM ₁₀)		Primary and secondary	24-hour	150 micrograms per cubic meter	Not to be exceeded more than once per year on average over 3 years (see 10 CSR 10-6.040(4)(K))	As specified in 10 CSR 10-6.040(4)(J)

Particulate matter 2.5 micron (PM _{2.5}) (1997)***	Primary	Annual	15 micrograms per cubic meter	Annual mean, averaged over 3 years	As specified in 10 CSR 10-6.040(4)(L)
Sulfur dioxide (2010)	Primary	1-hour	75 parts per billion	99th percentile of 1-hour daily maximum, averaged over 3 years	As specified in 10 CSR 10-6.040(A)
	Secondary	3-hour	0.5 parts per million, equal to 500 parts per billion	Not to be exceeded more than once per year	
Sulfur dioxide (1971)****	Primary	Annual	0.03 parts per million	Annual mean	As specified in 10 CSR 10-6.040(A)
	Primary	24-hour	0.14 parts per million	Not to be exceeded more than once per year	
Hydrogen sulfide	State only	1/2-hour	0.03 parts per million (42 micrograms per cubic meter)	Not to be exceeded over 2 times in any 5 consecutive days	As specified in 10 CSR 10-6.040(5)
		1/2-hour	0.05 parts per million (70 micrograms per cubic meter)	Not to be exceeded over 2 times per year	As specified in 10 CSR 10-6.040(5)
Sulfuric acid	State only	1-hour	30 micrograms per cubic meter	Not to be exceeded more than once in any 2 consecutive days	As specified in 10 CSR 10-6.040(6)
		24-hour	10 micrograms per cubic meter	Not to be exceeded more than once in any 90 consecutive days	As specified in 10 CSR 10-6.040(6)

*The 1978 lead standard remains in effect until one (1) year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

**The 1997 ozone standard remains in effect.

***The 1997 particulate matter 2.5 micron (PM_{2.5}) standard remains in effect.

****The 1971 annual and 24-hour sulfur dioxide standards remain in effect in areas until one (1) year after the area is designated for the 2010 standard, except that for areas designated nonattainment for the 1971 standards as of August 23, 2010, and for areas not meeting the requirements of a SIP call under the 1971 standards, the 1971 standards remain in effect until the area submits and the EPA approves a SIP providing for attainment of the 2010 standard.

EPA Rulemakings

CFR: 40 C.F.R. 52.1320(c)
 FRM: 80 FR 11577 (3/4/15)
 PRM: 80 FR 11610 (3/4/15)
 State Submission: 7/14/14
 State Final: 10 C.S.R 10-6 (6/30/14); effective 7/30/14
 APDB File: MO-361; EPA-R07-OAR-2015-0005
 Description: This revision updates the standards for ambient air quality throughout Missouri in order to reflect recent changes in the National Ambient Air Quality Standards (NAAQS) for fine particulate matter (PM_{2.5}), nitrogen dioxide (NO₂), and sulfur dioxide (SO₂). This revision also reorganized the table for additional clarity and updated the rule purpose statement to more accurately reflect the rule.

CFR: 40 C.F.R. 52.1320(c)
 FRM: 77 FR 58309 (9/20/12)
 PRM: 77 FR 58352 (9/20/12)
 State Submission: 9/21/2010
 State Final: 10 C.S.R 10-6 (4/30/10); effective 5/30/2010
 APDB File: MO-297
 Description: Effective November 19, 2012, this revision updates the ambient air quality table to reflect the most current PM₁₀, PM_{2.5}, ozone, and lead standards.

CFR: 40 C.F.R. 52.1320(c)
 FRM: 71 FR 70468 (12/5/2006)
 PRM: 71 FR 70476 (12/5/2006)
 State Submission: 3/30/2006
 State Final: 10 C.S.R. 10-6 (01/29/2006); effective 02/28/2006
 APDB File: MO-242; EPA-R07-OAR-2006-0900
 Description: This revision adopts the new 8-hour ozone and particulate matter 2.5 micron NAAQS finalized on July 18, 1997, and mandated under the CAA into the ambient air quality standards table.

CFR: 40 C.F.R. 52.1320(c)(66)(i)(A)
 FRM: 54 FR 31524 (7/31/89)
 PRM: None
 State Submission: 5/12/88
 State Proposal: 13 MR 108 (1/19/88)
 State Final: 13 MR 602 (4/18/88)
 APDB File: MO-67
 Description: The EPA approved a revision which deleted suspended particulate and added standards for PM₁₀.

CFR: 40 C.F.R. 52.1320(c)(13)(ii)
 FRM: 45 FR 17145 (3/18/80)
 PRM: 44 FR 52001 (9/6/79)
 State Submission: 8/28/78
 State Proposal: 2 MR 508 (9/1/77)
 State Final: 3 MR 88 (2/1/78)
 APDB File: MO-03
 Description: The EPA approved a new regulation establishing air quality standards in the state. This rule replaced rules 10 C.S.R. 10-2.010, 4.010, and 5.010 which were never submitted as part of the SIP.

Difference Between the State and EPA-Approved Regulation

Hydrogen Sulfide and Sulfuric Acid state standards are not SIP approved.

(NOTE: Although the EPA has from time to time approved state ambient standards as part of the SIP, there is no provision in the Clean Air Act for doing so. Some standards have been approved because they are integral to implementation of the permitting regulations.)