

10 CSR 10-6.010 Ambient Air Quality Standards

<u>Pollutant</u>	<u>Concentration</u>	<u>Method</u>	<u>Remarks</u>
1. Particulate matter 10 micron (PM ₁₀)	50 micrograms per cubic meter	As specified in 10 CSR 10-6.040 (4) (J)	3-year average of annual arithmetic mean
	150 micrograms per cubic meter		24-hour average concentration. Not more than one expected exceedance, 3- year average (see 10 CSR 10- 6.040 (4) (K))
Particulate matter 2.5 micron (PM _{2.5})	15 micrograms per cubic meter	As specified in 10 CSR 10-6.040 (4) (L)	3-year average of annual arithmetic mean
	65 micrograms per cubic meter		24-hour average concentration 98th percentile of monitored daily concentration (see 10 CSR 10-6.040 (4) (M))
2. Sulfur dioxide	0.03 ppm (80 micrograms per cubic meter) 0.14 ppm (365 micrograms per cubic meter)	As specified in 10 CSR 10-6.040 (4) (A)	Annual arithmetic mean 24- hour average not to be exceed more than once per year
	0.5 ppm (1,300 micrograms per cubic meter)		3-hour average not to be exceeded more than once per year
3. Carbon monoxide	9 ppm (10,000 micrograms per cubic meter)	As specified in 10 CSR 10-6.040 (4) (C)	8-hour average not to be exceeded more than once per year
	35 ppm (40,000 micrograms per cubic meter)		1-hour average not be exceeded more than once per year
4. Photochemical oxidants (1-hour ozone)	0.12 PPM (235 micrograms per cubic meter)	As specified in 10 CSR 10-6.040 (4) (D)	1-hour average. Not more than one expected exceedance, 3-year average (see 10 CSR 10-6.040 (4) (H))
Photochemical oxidants (8-hour ozone)	0.08 ppm	As specified in 10 CSR 10-6.040 (4) (D)	8-hour standard not to exceed 3-year average of the 4th highest daily maximum (see 10 CSR 10-6.040 (4) (I))
5. Nitrogen dioxide	0.05 ppm (100 micrograms per cubic meter)	As specified in 10 CSR 10-6.040 (4) (F)	Annual arithmetic mean not to be exceeded
6. Hydrogen sulfide	0.05 ppm (70 micrograms per cubic meter)	As specified in 10 CSR 10-6.040 (5)	1/2-hour average not be exceeded over 2 times per year
	0.03 ppm (42 micrograms per cubic meter)		1/2-hour average not to be exceeded over 2 times in any 5 consecutive days
7. Sulfuric acid	10 micrograms per cubic meter	As specified in 10 CSR 10-6.040 (6)	24-hour average not be exceeded more than once in any 90 consecutive days
	30 micrograms per cubic meter		1-hour average not to be exceeded more than once in any 2 consecutive days
8. Lead	1.5 micrograms per cubic meter	As specified in 10 CSR 10-6.040 (4) (G)	Calendar quarter arithmetic mean not to be exceeded

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EPA Rulemakings

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

(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.)