

**7009.0080 MINNESOTA AMBIENT AIR QUALITY STANDARDS.**

The following table contains the state ambient air quality standards.

Air Pollutant	Level of Primary Standard	Level of Secondary Standard	Averaging Time	Form of the Standard
Hydrogen Sulfide	0.05 ppm by volume (70.0 micrograms per cubic meter)		30-minutes	30-minute average not to be exceeded more than two times in a year
	0.03 ppm by volume (42.0 micrograms per cubic meter)		30-minutes	30-minute average not to be exceeded more than two times in 5 consecutive days
Ozone	70 ppb by volume (137 micrograms per cubic meter)	Same as primary 8-hour standard		3-year average of the annual fourth high daily maximum 8-hour concentration does not exceed standard
Carbon Monoxide	9 ppm by volume (10 milligrams per cubic meter)		8-hour	Annual second-high 8-hour concentration does not exceed standard
	35 ppm by volume (40 milligrams per cubic meter)		1-hour	Annual second-high 1-hour concentration does not exceed standard
Sulfur Dioxide	30 ppb by volume (79 micrograms per cubic meter)		Annual average	Annual average concentration does not exceed standard

	140 ppb (367 micrograms per cubic meter)		24-hour	Annual second-high 24-hour concentration does not exceed standard
		500 ppb by volume (1,310 micrograms per cubic meter)	3-hour	Annual second-high 3-hour concentration does not exceed the standard
	75 ppb (197 micrograms per cubic meter)		1-hour	3-year average of the annual 99th-percentile of daily maximum 1-hour concentrations does not exceed standard
Total Suspended Particulate	75 micrograms per cubic meter	60 micrograms per cubic meter	Annual average	Annual geometric mean concentration does not exceed standard
	260 micrograms per cubic meter	150 micrograms per cubic meter	24-hour	Annual second-high 24-hour concentration does not exceed standard
Nitrogen Dioxide	53 ppb by volume (100 micrograms per cubic meter)	Same as primary standard	Annual average	Annual average concentration does not exceed standard

	100 ppb by volume (188 micrograms per cubic meter)		1-hour	3-year average of the annual 98th-percentile of daily maximum 1-hour concentrations does not exceed standard
Lead	0.15 micrograms per cubic meter	Same as primary standard	Rolling 3-month average	Maximum 3-month rolling average from 3 consecutive years does not exceed the standard
PM-10	150 micrograms per cubic meter	Same as primary standard	24-hour	3-year average of the annual estimated exceedance days is less than or equal to 1
PM-2.5	35 micrograms per cubic meter	Same as primary standard	24-hour	3-year average of the annual 98th-percentile of 24-hour concentrations does not exceed the standard
	12.0 micrograms per cubic meter	15.0 micrograms per cubic meter	Annual average	3-year average of the annual seasonally- weighted average does not exceed the standard

**Statutory Authority:** *MS s 115.03; 116.07*

**History:** *18 SR 614; 19 SR 550; 22 SR 1237; 23 SR 2224; 41 SR 763*

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