

**CHAPTER 7009**  
**MINNESOTA POLLUTION CONTROL AGENCY**  
**AMBIENT AIR QUALITY STANDARDS**

7009 0080 STATE AMBIENT AIR QUALITY STANDARDS

7009 1040 CONTROL ACTIONS

**7009.0080 STATE AMBIENT AIR QUALITY STANDARDS.**

The following table contains the state ambient air quality standards

Pollutant/ Air Contaminant	Primary Standard	Secondary Standard	Remarks
Hydrogen Sulfide	0.05 ppm by volume (70.0 micrograms per cubic meter)		1/2 hour average not to be exceeded over 2 times per year
	0.03 ppm by volume (42.0 micrograms per cubic meter)		1/2 hour average not to be exceeded over 2 times in any 5 consecutive days
Ozone	0.12 ppm by volume (235 micrograms per cubic meter)	0.12 ppm by volume (235 micrograms per cubic meter)	the standard is attained when the expected number of days per calendar year with maximum hourly average concentrations above the standard is equal to or less than one, as determined by Code of Federal Regulations, title 40, part 50, appendix H, Interpretation of the National Ambient Air Quality Standards for Ozone, as amended
Carbon Monoxide	9 ppm by volume (10 milligrams per cubic meter)	9 ppm by volume (10 milligrams per cubic meter)	maximum 8 hour concentration not to be exceeded more than once per year
	30 ppm by volume (35 milligrams per cubic meter)	30 ppm by volume (35 milligrams per cubic meter)	maximum 1 hour concentration not to be exceeded more than once per year

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## 7009.0080 AMBIENT AIR QUALITY STANDARDS

Sulfur Dioxides	80 micrograms per cubic meter (0.03 ppm by volume)	60 micrograms per cubic meter (0.02 ppm by volume)	maximum annual arithmetic mean
	365 micrograms per cubic meter (0.14 ppm by volume)	365 micrograms per cubic meter (0.14 ppm by volume)	maximum 24 hour concentration not to be exceeded more than once per year
		915 micrograms per cubic meter (0.35 ppm by volume)	maximum 3 hour concentration not to be exceeded more than once per year in Air Quality Control Regions 127, 129, 130, and 132
		1300 micrograms per cubic meter (0.5 ppm by volume)	maximum 3 hour concentration not to be exceeded more than once per year in Air Quality Control Regions 128, 131, and 133
	1300 micrograms per cubic meter (0.5 ppm by volume)		maximum 3 hour concentration not to be exceeded more than once per year
	1300 micrograms per cubic meter (0.5 ppm by volume)		maximum 1 hour concentration not to be exceeded more than once per year
Particulate Matter	75 micrograms per cubic meter	60 micrograms per cubic meter	maximum annual geometric mean
	260 micrograms per cubic meter	150 micrograms per cubic meter	maximum 24 hour concentration not to be exceeded more than once per year

Nitrogen Dioxides	0.05 ppm by volume (100 micrograms per cubic meter)	0.05 ppm by volume (100 micrograms per cubic meter)	maximum annual arithmetic mean
Lead	1.5 micrograms per cubic meter	same as primary standard	maximum arithmetic mean averaged over a calendar quarter
PM10	150 micrograms per cubic meter	same as primary standard	maximum 24-hour average concentration; the standard is attained when the expected number of days per calendar year exceeding the value of the standard is equal to or less than one
	50 micrograms per cubic meter	same as primary standard	annual arithmetic mean; the standard is attained when the expected annual arithmetic mean concentration is less than or equal to the value of the standard

**Statutory Authority:** *MS s 116.07*

**History:** *22 SR 1237*

#### **7009.1040 CONTROL ACTIONS.**

*[For text of subs 1 and 2, see M.R.]*

Subp. 3. **Episode emission reduction plan.** The owner or operator of each emission facility or stationary source located in an area of the state designated by the commissioner as having exceeded the alert levels in part 7009.1060, table 1, within the last ten years and having allowable emissions of greater than or equal to 250 tons per year of the pollutant causing the episode, shall submit to the commissioner an episode emission reduction plan to be implemented at the facility or stationary source in the event of a declaration by the commissioner of an air pollution episode. The plan shall be submitted to the commissioner within 90 days of the designation of the area or by September 1, 1995, whichever is later. The plan shall be consistent with the emission reduction objectives in subpart 4 and shall designate at least two individuals to be notified in the event of the declaration of an air pollution episode. The plan shall be subject to the approval of the commissioner. If the commissioner finds that the plan is inconsistent with such emission reduction objectives, the plan shall be returned to the owner or operator along with a written statement of the reason(s) for disapproval. The owner or operator shall correct the deficiency within 30 days of notification of disapproval and shall re-submit the plan to the commissioner.

*[For text of subs 4 and 5, see M.R.]*

**Statutory Authority:** *MS s 116.07*

**History:** *22 SR 1237*