

Title 33
ENVIRONMENTAL QUALITY
Part III. Air

Chapter 7. Ambient Air Quality

§701. Purpose

A. ...

B. ~~Particulate Matter (Suspended Particulates)~~. The purpose of this ~~Subsection Chapter~~ is to maintain concentrations of ~~suspended particulate matter (particulate matter)~~ in the ambient air at levels which will not cause damage or injury to plant or animal life. In addition to health considerations, attainment of the standards will result in economic and aesthetic benefits such as increased visibility and reduced soiling and corrosion.

C. - H. ...

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2054.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Air Quality Division, LR 13:741 (December 1987), amended by the Office of Air Quality and Radiation Protection, Air Quality Division, LR 21:1081 (October 1995), amended by the Office of the Secretary, Legal Affairs Division, LR 34:

§703. Scope

A. ~~The following Sections are~~ This Chapter is applicable to all sources of particulate matter (~~suspended particulates~~), sulfur dioxide, carbon monoxide, atmospheric oxidants, nitrogen oxides, and lead.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2054.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Air Quality Division, LR 13:741 (December 1987), amended by the Office of the Secretary, Legal Affairs Division, LR 34:

§711. Tables 1, 1a, 2—Air Quality

A. Table 1. Primary Ambient Air Quality Standards

Table 1. Primary Ambient Air Quality Standards		
Air Contaminant	Maximum Permissible Concentration	
PM ₁₀	50 µg/m ³	(Annual arithmetic mean)
PM ₁₀	150 µg/m ³	(Maximum 24-hour concentration not to be exceeded more than once per year)
PM _{2.5}	15.0 µg/m ³	(Annual arithmetic mean)
	65-35 µg/m ³	24-hour
Sulfur Dioxide (SO ₂)	80 µg/m ³	or 0.03 ppm (Annual arithmetic mean)

Table 1. Primary Ambient Air Quality Standards		
Air Contaminant	Maximum Permissible Concentration	
	365 $\mu\text{g}/\text{m}^3$	or 0.14 ppm (Maximum 24-hour concentration not to be exceeded more than once per year)
Carbon Monoxide (CO)	10,000 $\mu\text{g}/\text{m}^3$	or 9 ppm (Maximum 8-hour concentration not to be exceeded more than once per year)
	40,000 $\mu\text{g}/\text{m}^3$	or 35 ppm (Maximum 1-hour concentration not to be exceeded more than once per year)
Ozone	0.08 ppm daily maximum 8-hour average	The standard is met at an ambient air monitoring site when the 3-year average of the annual fourth highest daily maximum 8-hour average ozone concentrations is less than or equal to 0.08 ppm, as determined in accordance with 40 CFR 50, Appendix I.
Nitrogen Dioxide (NO ₂)	100 $\mu\text{g}/\text{m}^3$	(0.05 ppm) (Annual arithmetic mean)
Lead	1.5 $\mu\text{g}/\text{m}^3$	(Maximum arithmetic mean averaged over a calendar quarter)

1. The contribution of any contaminant by a single source property shall be measured as the difference between the upwind level and the downwind level for the property, using methods approved by the administrative authority, or by the use of suitable engineering techniques such as source dispersion calculations.

2. National primary ambient air quality standards define levels of air quality ~~which that~~ the Administrator of the Environmental Protection Agency judges to be necessary, with an adequate margin of safety, to protect the public health.

B. Table 1a. Secondary Ambient Air Quality Standards

Table 1a. Secondary Ambient Air Quality Standards		
Air Contaminant	Maximum Permissible Concentration	
PM ₁₀	50 $\mu\text{g}/\text{m}^3$	(Annual arithmetic mean)

Table 1a. Secondary Ambient Air Quality Standards		
Air Contaminant	Maximum Permissible Concentration	
PM ₁₀	150 µg/m ³	(Maximum 24-hour concentration not to be exceeded more than once per year)
Sulfur Dioxide (SO ₂)	1,300 µg/m ³	(Maximum 3-hour concentration not to be exceeded more than once per year)
PM _{2.5}	15.0 µg/m ³	(Annual arithmetic mean)
	65 35 µg/m ³	24-hour
Carbon Monoxide (CO)	10,000 µg/m ³	or 9 ppm (Maximum 8-hour concentration not to be exceeded more than once per year)
	40,000 µg/m ³	or 35 ppm (Maximum 1-hour concentration not to be exceeded more than once per year)
Ozone	0.08 ppm daily maximum 8-hour average	The standard is met at an ambient air monitoring site when the 3-year average of the annual fourth highest daily maximum 8-hour average ozone concentrations is less than or equal to 0.08 ppm, as determined in accordance with 40 CFR 50, Appendix I.
Nitrogen Dioxide (NO ₂)	100 µg/m ³	(0.05 ppm) (Annual arithmetic mean)
Lead	1.5 µg/m ³	(Maximum arithmetic mean averaged over a calendar quarter)

1. The contribution of any contaminant by a single source property shall be measured as the difference between the upwind level and the downwind level for the property, using methods approved by the administrative authority, or by the use of suitable engineering techniques such as source-dispersion calculations.

2. National secondary ambient air quality standards define levels of air quality ~~which that~~ the Administrator of the Environmental Protection Agency judges to be necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

C. Table 2. Ambient Air—Methods of Contaminant Measurement

Table 2. Ambient Air—Methods of Contaminant Measurement		
Air Contaminant	Sampling Interval	Analytical Method
PM ₁₀	24 hours	Any method complying with reference method in Title 40, Code of Federal Regulations, Part 50, Appendix J.
PM _{2.5}	24 hours	Any method complying with reference method in Title 40, Code of Federal Regulations, Part 50, Appendix L.
Sulfur Dioxide	24 hours	Any method complying with reference method in Title 40, Code of Federal Regulations, Part 50, Appendix A.
	Continuous	Any method complying with reference or equivalent methods in Title 40, Code of Federal Regulations, Part 53, Subpart B.
Total Oxidants	Continuous	Any method complying with reference or equivalent methods in Title 40, Code of Federal Regulations, Part 50, Appendix D, and Part 53, Subpart B.
Carbon Monoxide	Continuous	Any method complying with reference or equivalent methods in Title 40, Code of Federal Regulations, Part 50, Appendix C, and Part 53, Subpart B.
Nitrogen Dioxide	24 hours	Any method complying with reference method in Title 40, Code of Federal Regulations, Part 50, Appendix F.

Table 2. Ambient Air—Methods of Contaminant Measurement		
Air Contaminant	Sampling Interval	Analytical Method
Lead	24 hours	Any method complying with reference method in Title 40, Code of Federal Regulations, Part 50, Appendix G.
Total Suspended	24 hours	Any method complying with Particulate (TSP) reference method in Title 40, Code of Federal Regulations, Part 50, Appendix B.

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