



U. S. Air Pollution Laws Air Pollution Control Act of 1955 Clean Air Act of 1963 (smokestack emission regulations only) Motor Vehicle Air Pollution Control Act of 1965 (HCs and CO emissions from vehicles) Air Quality Act of 1967 Clear Air Act Amendments of 1970 U. S. Environmental Protection Agency (EPA) National Ambient Air Quality Standards (NAAQS); Criteria Air Pollutants; Attainment/nonattainment areas New Source Performance Standards (NSPS) National Emission Standards for Hazardous Pollutants (asbestos, mercury, arsenic...) Congressional control of automobile emissions Clear Air Act Amendments of 1977+ 1990 Clear Air Act Revision of 1997 Change in ozone standards Addition of PM_{2.5} standard Acid Rain program (1995) NOx budget Program (1999) Clean Air Interstate Rule (2005): NOx and SO2 2005 Change in ozone standard, 2008

Pollutant	Primary Standards	Averaging Times	
Carbon Monoxide	9 ppm (10 mg/m ³)	8-hour ⁽¹⁾	1
	35 ppm (40 mg/m ³)	1-hour ⁽¹⁾	1
Lead	1.5 µg/m ³	Quarterly Average	1
Nitrogen Dioxide	0.053 ppm (100 µg/m ³)	Annual (Arithmetic Mean)	1
Particulate Matter (PM10)	Revoked ⁽²⁾	Annual ^[2] (Arith. Mean)	1
	150 µg/m ³	24-hour ⁽³⁾	1
Particulate Matter (PM _{2.5})	15.0 µg/m ³	Annual (Arith, Mean)	1
	35 µg/m³	24-hour ⁽⁵⁾	-
Ozone	0.08 ppm	8-hour ⁶	1
	0.12 ppm	1-hour ⁽⁷⁾ (Applies only in limited areas)	-
Sulfur Oxides	0.03 ppm	Annual (Arith. Mean)	1
	0.14 ppm	24-hour ⁽¹⁾	1
		3-hour ⁽¹⁾	-
Iber 17, 2006). seded more than once per year on avers standard, the 3-year average of the weig µg/m ³ . standard, the 3-year average of the 98th 4 (effective December 17, 2006). standard, the 3-year average of the four year must not exceed 0.08 <u>ppm</u> .	age over 3 years. ghted annual mean PM25 concentr I percentile of 24-hour concentratio th-highest daily maximum 8-hour a	le pollution, the agency revoked the annual F ations from single or multiple community-orie ins at each population-oriented monitor within verage ozone concentrations measured at e naximum hourly average concentrations abo	ented monitors r n an area must each monitor with

Pollutant	Level	Averaging Time	-
Carbon Monoxide	9 ppm (10 mg/m ³)	8-hour <u>⁽¹⁾</u>	-
	35 ppm (40 mg/m ³)	1-hour <u>⁽¹⁾</u>	
Lead	1.5 µg/m ³	Quarterly Average	-
Nitrogen Dioxide	0.053 ppm (100 µg/m ³)	Annual (Arithmetic Mean)	-
Particulate Matter (PM ₁₀)	150 µg/m ³	24-hour ⁽²⁾	-
Particulate Matter (PM _{2.5})	15.0 µg/m ³	Annual ⁽³⁾ (Arithmetic Mean)	-
	35 µg/m ³	24-hour (4)	-
	0.075 ppm (2008 std)	8-hour <u>⁽⁵⁾</u>	-
	0.08 ppm (1997 std)	8-hour ⁽⁶⁾	⁽⁵⁾ To attain this standard, the 3-y
	0.12 ppm	1-hour ⁽⁷⁾ (Applies only in limited areas)	average of the fourth-highest dail maximum 8-hour average ozone concentrations measured at each
Dioxide	0.03 ppm	Annual (Arithmetic Mean)	monitor within an area over each year must not exceed 0.075
	0.14 ppm	24-hour ⁽¹⁾	ppm. (effective May 27, 2008)

U.S. National Ambient Air Quality standards (NAAQS)

 $^{^{\}left(1\right)}$ Not to be exceeded more than once per year.

⁽²⁾ Not to be exceeded more than once per year on average over 3 years.

 $^{^{(3)}}$ To attain this standard, the 3-year average of the weighted annual mean PM2.5 concentrations from single or multiple community-oriented monitors must not exceed 15.0 μ g/m3.

⁽⁴⁾ To attain this standard, the 3-year average of the 98th percentile of 24-hour concentrations at each population-oriented monitor within an area must not exceed 35 μ g/m3 (effective December 17, 2006). ⁽⁵⁾ To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.075 ppm. (effective May 27, 2008)

⁽⁶⁾ (a) To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.08 ppm.

⁽b) The 1997 standard—and the implementation rules for that standard—will remain in place for implementation purposes as EPA undertakes rulemaking to address the transition from the 1997 ozone standard to the 2008 ozone standard.

⁽⁷⁾ (a) The standard is attained when the expected number of days per calendar year with maximum hourly average concentrations above 0.12 ppm is ≤ 1 .

⁽b) As of June 15, 2005 EPA revoked the 1-hour ozone standard in all areas except the 8-hour ozone nonattainment Early Action Compact (EAC) Areas.

EPA: http://www.epa.gov/air/criteria.html



























