

Table 3.7-6 Primary and Secondary Limits for National Ambient Air Quality Standards (NAAQS) and the state of Wyoming (EPA, 2007)

Pollutant	National			State of Wyoming		
	Primary Standards	Averaging Times	Secondary Standards	Primary Standards	Averaging Times	Secondary Standards
Carbon Monoxide	9 ppm (10 mg/m ³)	8-hour ¹	None	9 ppm (10 mg/m ³)	8-hour ¹	None
	35 ppm (40 mg/m ³)	1-hour ¹	None	35 ppm (40 mg/m ³)	1-hour ¹	None
Lead	1.5 µg/m ³	Quarterly Average	Same as Primary	1.5 µg/m ³	Quarterly Average	Same as Primary
Nitrogen Dioxide	0.053 ppm (100 µg/m ³)	Annual (Arithmetic Mean)	Same as Primary	0.05 ppm (100 µg/m ³)	Annual (Arithmetic Mean)	Same as Primary
Particulate Matter (PM ₁₀)	Revoked ²	Annual ² (Arithmetic Mean)		50 µg/m ³	Annual ² (Arithmetic Mean)	
	150 µg/m ³	24-hour ³		150 µg/m ³	24-hour ³	
Particulate Matter (PM _{2.5})	15.0 µg/m ³	Annual ⁴ (Arithmetic Mean)	Same as Primary	15.0 µg/m ³	Annual ⁴ (Arithmetic Mean)	Same as Primary
	35 µg/m ³	24-hour ⁵		65 µg/m ³	24-hour ⁵	
Ozone	0.08 ppm	8-hour ⁶	Same as Primary	0.08 ppm	8-hour ⁶	Same as Primary
	0.12 ppm	1-hour ⁷ (Applies only in limited areas)	Same as Primary			
Sulfur Oxides	0.03 ppm	Annual (Arithmetic Mean)	-----	0.02 ppm (60 µg/m ³)	Annual (Arithmetic Mean)	
	0.14 ppm	24-hour ¹	-----	0.10 ppm (260µg/m ³)	24-hour ¹	
	-----	3-hour ¹	0.50 ppm (1300µg/m ³)	0.50 ppm (1300µg/m ³)	3-hour ¹	

¹ Not to be exceeded more than once per year.

² Due to a lack of evidence linking health problems to long-term exposure to coarse particle pollution, the agency revoked the annual PM10 standard in 2006 (effective December 17, 2006).

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

⁴ In 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 µg/m3.

⁵ 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 µg/m3 (effective December 17, 2006).

⁶ 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.

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, as determined by appendix H.

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