

**Table D4-5 Primary and Secondary Limits for National Ambient Air Quality Standards (NAAQS) and the State of Wyoming \***

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

\* (EPA, 2007a)

<sup>1</sup> Not to be exceeded more than once per year.

<sup>2</sup> 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).

<sup>3</sup> Not to be exceeded more than once per year on average over 3 years.

<sup>4</sup> 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.

<sup>5</sup> 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).

<sup>6</sup> 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.

<sup>7</sup> 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.