

CLARK COUNTY

AIR QUALITY REGULATIONS

SECTION 11 - AMBIENT AIR QUALITY STANDARDS

11.1 Definitions:

11.1.1 “Primary standards” means standards that set limits to protect public health, including the health of “sensitive” populations such as asthmatics, children, and the elderly.

11.1.2 “Secondary standards” means standards that set limits to protect public welfare, including protection against decreased visibility, damage to animals, crops, vegetation, and buildings.

11.1.3 “ $\mu\text{g}/\text{m}^3$ ” means micrograms of all contaminant per cubic meter of air.

11.1.4 “ mg/m^3 ” means milligrams of air contaminant per cubic meter of air.

11.1.5 “ppm” means parts of air contaminant by volume per million parts of air by volume.

11.2 The following concentrations of air contaminants shall not be exceeded at any single point in the ambient air:

National Ambient Air Quality Standards (NAAQS)			
Pollutant	Standard	Standard Value*	Standard Type
Carbon Monoxide (CO)	8-Hour Average	9 ppm (10 mg/m^3)	Primary
	1-Hour Average	35 ppm (40 mg/m^3)	Primary
Nitrogen Dioxide (NO ₂)	Annual Arithmetic Mean	0.053 ppm (100 $\mu\text{g}/\text{m}^3$)	Primary & Secondary
Ozone (O ₃)	1-Hour Average	0.12 ppm (235 $\mu\text{g}/\text{m}^3$)	Primary & Secondary
	8-Hour Average	0.08 ppm (157 $\mu\text{g}/\text{m}^3$)	Primary & Secondary
Lead (Pb)	Quarterly Average	1.5 $\mu\text{g}/\text{m}^3$	Primary & Secondary
Particulate Matter (PM ₁₀)	Annual Arithmetic Mean	50 $\mu\text{g}/\text{m}^3$	Primary & Secondary
	24-Hour Average	150 $\mu\text{g}/\text{m}^3$	Primary & Secondary
Particulate Matter (PM _{2.5})	Annual Arithmetic Mean	15 $\mu\text{g}/\text{m}^3$	Primary & Secondary
	24-Hour Average	65 $\mu\text{g}/\text{m}^3$	Primary & Secondary
Sulfur Dioxide (SO ₂)	Annual Arithmetic Mean	0.03 ppm (80 $\mu\text{g}/\text{m}^3$)	Primary
	24-Hour Average	0.14 ppm (365 $\mu\text{g}/\text{m}^3$)	Primary
	3-Hour Average	0.50 ppm (1300 $\mu\text{g}/\text{m}^3$)	Secondary

* Parenthetical value is an approximate equivalent concentration.

11.3 Measurement Methods

The methods of measurement for AMBIENT Air Quality Standards described in Subsections 11.2, inclusive, shall be those prescribed in Title 40 CFR Part 50 Appendix A through N as amended.

11.4 Adoption of these AMBIENT Air Quality Standards shall not be considered in any manner to allow significant deterioration of existing air quality in any portion of Clark County.

History: Amended: October 25, 1979; April 23, 1987; May 27, 1993; February 20, 2001; June 3, 2003; BCC-October 7, 2003, effective October 21, 2003; July 1, 2004.