

APPENDIX B
NEVADA AND FEDERAL
AIR QUALITY STANDARDS

Nevada and Federal Air Quality Standards							
Pollutant	Averaging Time	Standards in PPM per Volume		Standards in micrograms per meter		Violation Criteria	
		Nevada	National	Nevada	National	Nevada	National
Ozone	1 hr	0.12	0.12	235	235	If exceeded	If exceeded on more than 3 days in a 3-yr period
	8 hr	Not applicable	0.08	Not applicable	157	If exceeded	If exceeded by the mean of annual 4 th highest daily values for a 3-yr period
Carbon Monoxide	1 hr	35	35	40,000	40,000	If exceeded	If exceeded more than 1 day per year
	8 hr	9	9	10,000	10,000	If exceeded	If exceeded more than 1 day per year
Nitrogen dioxide	Annual Average	0.050	0.053	100	100	If exceeded	If exceeded
Sulfur dioxide	Annual Average	0.03	0.03	80	80	If exceeded	If exceeded
	24 hr	0.14	0.14	365	365	If exceeded	If exceeded on more than 1 day per year
	3 hr	0.5	0.5	1,300	1,300	If exceeded on more than 1 day per year	If exceeded on more than 1 day per year
Inhalable particulate matter (PM₁₀)	Annual arithmetic mean	Not applicable	Not applicable	50	50	If exceeded	If exceeded as a 3-yr single station average (attainment areas)
	24 hours	Not applicable	Not applicable	150	150	If exceeded	If exceeded by the mean of annual 99 th percentile values over 3 years
Fine particulate matter (PM_{2.5})	Annual arithmetic mean	Not applicable	Not applicable	Not applicable	15.0	If exceeded	If exceeded as a 3-year spatial average of data from designated stations
	24 hours	Not applicable	Not applicable	Not applicable	65	If exceeded	If exceeded by the mean of annual 98 th

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		Nevada	National	Nevada	National	Nevada	National
							percentile values over 3 years
Lead particles	Calendar quarter	Not applicable	Not applicable	1.5	1.5	If exceeded	If exceeded
Hydrogen sulfide	1 hour	0.08	Not applicable	112	Not applicable	If exceeded	Not applicable
<p>Notes: All standards, except for the national PM₁₀ and PM_{2.5}, are based on measurements corrected to 25 degrees Celsius and 1 atmosphere pressure The National PM₁₀ and PM_{2.5} standards are based on direct flow volume data without correction to standard temperature and pressure The National 1-hour ozone standard will be rescinded for an area where the EPA determines that the standard has been achieved for the area. The applicable national ozone standard for the area will then be the 8-hr standard. The “10” in PM₁₀ and “2.5” in PM_{2.5}, are not particle size limits; these numbers represent the particle size class (aerodynamic diameter in microns) collected with mass efficiency by certified sampling equipment. The maximum particle size collected by PM_{2.5} samplers is about 6 micrometers. The Nevada standard for hydrogen sulfide represents an increment above naturally occurring background concentrations</p>							

SOURCE: 40 CFR parts 50, 53, and 58; Nevada Administrative Code, Section 445B.22097