

2. The control measures established in subsection 1 may be replaced or supplemented with alternative technologies approved in advance by the Director, provided that the emission limits in subsection 1 are met. The established or approved control measures must be installed and operating:

(a) For NV Energy's Fort Churchill, Tracy and Reid Gardner generating stations:

(1) On or before January 1, 2015; or

(2) Not later than 5 years after approval of Nevada's state implementation plan for regional haze by the United States Environmental Protection Agency Region 9,

↳ whichever occurs first.

(b) For Southern California Edison's Mohave Generating Station, at the time that each unit resumes operation.

3. If the ownership of any BART regulated emission unit changes, the new owner must comply with the requirements set forth in subsection 2.

4. For purposes of this section, emissions of PM<sub>10</sub> include the components of PM<sub>2.5</sub> as a subset.

(Added to NAC by Environmental Comm'n by R190-08, eff. 4-23-2009; A by R148-09, 1-28-2010)

**NAC 445B.22097 Standards of quality for ambient air. (NRS 445B.210)**

1. The table contained in this section lists the minimum standards of quality for ambient air.

		NEVADA STANDARDS <sup>A</sup>		NATIONAL STANDARDS <sup>B</sup>		
POLLUTANT	AVERAGING TIME	CONCENTRATION <sup>C</sup>	METHOD <sup>D</sup>	PRIMARY <sup>C, E</sup>	SECONDARY <sup>C, F</sup>	METHOD <sup>D</sup>
Ozone	1 hour	0.12 ppm (235 µg/m <sup>3</sup> )	Ultraviolet absorption	0.12 ppm (235 µg/m <sup>3</sup> )	Same as primary	Chemiluminescence
Ozone-Lake Tahoe Basin, #90	1 hour	0.10 ppm (195 µg/m <sup>3</sup> )	Ultraviolet absorption	--	--	--
Carbon monoxide less than 5,000' above mean sea level	8 hours	9 ppm (10,500 µg/m <sup>3</sup> )	Nondispersive infrared photometry	9 ppm (10 mg/m <sup>3</sup> )	None	Nondispersive infrared photometry
At or greater than 5,000' above mean sea level		6 ppm (7,000 µg/m <sup>3</sup> )				
Carbon monoxide at any elevation	1 hour	35 ppm (40,500 µg/m <sup>3</sup> )				
Nitrogen dioxide	Annual arithmetic mean	0.053 ppm (100 µg/m <sup>3</sup> )	Gas phase chemiluminescence	0.053 ppm (100 µg/m <sup>3</sup> )	Same as primary	Gas phase chemiluminescence
Sulfur dioxide	Annual arithmetic mean	0.030 ppm (80 µg/m <sup>3</sup> )	Ultraviolet fluorescence	0.030 ppm	None	Spectrophotometry (Pararosaniline method)
	24 hours	0.14 ppm (365 µg/m <sup>3</sup> )		0.14 ppm		
	3 hours	0.5 ppm (1,300 µg/m <sup>3</sup> )		None		
Particulate matter as PM <sub>10</sub>	Annual arithmetic mean	50 µg/m <sup>3</sup>	High volume PM <sub>10</sub> sampling	50 µg/m <sup>3</sup>	Same as primary	High volume PM <sub>10</sub> sampling
	24 hours	150 µg/m <sup>3</sup>		150 µg/m <sup>3</sup>		
Lead (Pb)	Quarterly arithmetic mean	1.5 µg/m <sup>3</sup>	High volume sampling, acid extraction and atomic absorption spectrometry	1.5 µg/m <sup>3</sup>	Same as primary	High volume sampling, acid extraction and atomic absorption spectrometry
Hydrogen sulfide	1 hour	0.08 ppm (112 µg/m <sup>3</sup> ) <sup>G</sup>	Ultraviolet fluorescence	--	--	--

Notes:

Note A: The Director shall use the Nevada standards in considering whether to issue a permit for a stationary source and shall ensure that the stationary source will not cause the Nevada standards to be exceeded in areas where the general public has access.

Note B: These standards, other than for ozone, particulate matter, and those based on annual averages, must not be exceeded more than once per year. The 1-hour ozone standard is attained when the expected number of days per calendar year with a maximum hourly average concentration above the standard is equal to or less than one. The PM<sub>10</sub> 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above the standard, rounded to the nearest 10 µg/m<sup>3</sup>, is equal to or less than one. The expected number of days per calendar year is generally based on an average of the number of times the standard has been exceeded per year for the last 3 years. The National standards are to be used in determinations of attainment or nonattainment.

Note C: Where applicable, concentration is expressed first in units in which it was adopted. All measurements of air quality that are expressed as mass per unit volume, such as micrograms per cubic meter, must be corrected to a reference

temperature of 25 degrees Centigrade and a reference pressure of 760 mm of Hg (1,013.2 millibars); “ppm” in this table refers to parts per million by volume, or micromoles of regulated air pollutant per mole of gas; “µg/m<sup>3</sup>” refers to micrograms per cubic meter.

Note D: Any reference method specified in accordance with 40 C.F.R. Part 50 or any reference method or equivalent method designated in accordance with 40 C.F.R. Part 53 may be substituted.

Note E: National primary standards are the levels of air quality necessary, with an adequate margin of safety, to protect the public health.

Note F: National secondary standards are the levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a regulated air pollutant.

Note G: The ambient air quality standard for hydrogen sulfide does not include naturally occurring background concentrations.

2. These standards of quality for ambient air are minimum goals, and it is the intent of the Commission in this section to protect the existing quality of Nevada’s air to the extent that it is economically and technically feasible.

[Environmental Comm’n, Air Quality Reg. §§ 12.1-12.1.6, eff. 11-7-75; A and renumbered as § 12.1, 12-4-76; A 12-15-77; 8-28-79; §§ 12.2-12.4, eff. 11-7-75; § 12.5, eff. 12-4-76; A 8-28-79]—(NAC A 10-19-83; 9-5-84; 12-26-91; 10-30-95; R103-02, 12-17-2002; R198-03, 4-26-2004)

**NAC 445B.221 Adoption by reference and applicability of certain provisions of federal law and regulations. ([NRS 445B.210](#))**

1. Title 40 C.F.R. §§ 51.100(s), 51.100(nn) and 51.301 and Appendix S of 40 C.F.R. Part 51 are hereby adopted by reference as they existed on July 1, 2009.

2. Title 40 C.F.R. § 51.165 is hereby adopted by reference as it existed on July 1, 2002.

3. Appendices M and W of 40 C.F.R. Part 51 are hereby adopted by reference as they existed on July 1, 2009.

4. Title 40 C.F.R. § 52.21 is hereby adopted by reference as it existed on July 1, 2009.

5. The following subparts of 40 C.F.R. Part 60 are hereby adopted by reference:

(a) Subpart A, except §§ 60.4, 60.8(b)(2), 60.8(b)(3) and 60.11(e), as it existed on July 1, 2009;

(b) Section 60.21 of Subpart B, as it existed on July 1, 2006;

(c) Subparts C, Cb, Cc, Cd, Ce, D, Da, Db, Dc, E, Ea, Eb, Ec, F, G, H, I, J, K, Ka, Kb, L, M, N, Na, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AAa, BB, CC, DD, EE, GG, HH, KK, LL, MM, NN, PP, QQ, RR, SS, TT, UU, VV, VVa, WW, XX, BBB, DDD, FFF, GGG, GGGa, HHH, III, JJJ, KKK, LLL, NNN, OOO, PPP, QQQ, RRR, SSS, TTT, UUU, VVV, WWW, AAAA, CCCC, DDDD, EEEE, FFFF, IIII, JJJJ and KKKK as they existed on July 1, 2009; and

(d) Subpart HHHH, except §§ 60.4105(b)(2), 60.4106, 60.4120 to 60.4142, inclusive, 60.4153(a) and (b) and 60.4176, as set forth in Volume 70 of the Federal Register at pages 28606 et seq., May 18, 2005, and the amendments to Subpart HHHH as set forth in Volume 71 of the Federal Register at pages 33388 et seq., June 9, 2006.

6. Appendices A, B and F of 40 C.F.R. Part 60 are hereby adopted by reference as they existed on July 1, 2009.

7. Subparts A, C, D, E, F, H, I, J, K, L, N, O, P, Q, R, T, V, W, Y, BB and FF of 40 C.F.R. Part 61 are hereby adopted by reference as they existed on July 1, 2009.

8. Appendix B of Title 40 C.F.R. Part 61 is hereby adopted by reference as it existed on July 1, 2009.

9. Subparts A, B, C, F, G, H, I, J, L, M, N, O, Q, R, S, T, U, W, X, Y, AA, BB, CC, DD, EE, GG, HH, II, JJ, KK, LL, MM, OO, PP, QQ, RR, SS, TT, UU, VV, WW, XX, YY, CCC, DDD, EEE, GGG, HHH, III, JJJ, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, TTT, UUU, VVV, XXX, AAAA, CCCC, DDDD, EEEE, FFFF, GGGG, HHHH, IIII, JJJJ, KKKK, MMMM, NNNN, OOOO, PPPP, QQQQ, RRRR, SSSS, TTTT, UUUU, VVVV, WWWW, XXXX, YYYY, ZZZZ, AAAAA, BBBBB, CCCCC, DDDDD, EEEEE, FFFFF, GGGGG, HHHHH, JJJJJ, KKKKK, LLLLL, MMMMM, NNNNN, PPPPP, QQQQQ, SSSSS, WWWWW, YYYYY, ZZZZZ, DDDDD, EEEEE, FFFFF, GGGGG, LLLLL, MMMMM, NNNNN, OOOOO, PPPPP, QQQQQ, RRRRR, SSSSS and TTTTT of 40 C.F.R. Part 63 are hereby adopted by reference as they existed on July 1, 2009.

10. Title 40 C.F.R. Part 72 is hereby adopted by reference as it existed on July 1, 2009. If the provisions of 40 C.F.R. Part 72 conflict with or are not included in [NAC 445B.001](#) to [445B.3689](#), inclusive, the provisions of 40 C.F.R. Part 72 apply.

11. Title 40 C.F.R. Part 76 is hereby adopted by reference as it existed on July 1, 2009. If the provisions of 40 C.F.R. Part 76 conflict with or are not included in [NAC 445B.001](#) to [445B.3689](#), inclusive, the provisions of 40 C.F.R. Part 76 apply.

12. Title 42 of the United States Code, section 7412(b), List of Hazardous Air Pollutants, is hereby adopted by reference as it existed on October 1, 1993.

13. The *Standard Industrial Classification Manual*, 1987 edition, published by the United States Office of Management and Budget, is hereby adopted by reference. A copy of the manual may be obtained, free of charge, from the United States Department of Labor at the Internet address <http://www.dol.gov>.

14. A copy of the publications which contain the provisions adopted by reference in subsections 1 to 12, inclusive, may be obtained from the:

(a) Division of State Library and Archives of the Department of Cultural Affairs for 10 cents per page.

(b) Government Printing Office, free of charge, at the Internet address <http://www.gpoaccess.gov/nara/index.html>.

15. The following standards of ASTM International are hereby adopted by reference:

(a) ASTM D5504, “Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence,” set forth in Volume 05.06 of the *2008 Annual Book of ASTM Standards*. A copy of ASTM D5504 is available by mail from ASTM International, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959, by telephone at (610) 832-9585 or at the Internet address <http://www.astm.org>, for the price of