TABLE 4.5-1
STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS

Pollutant	Averaging Time	National[b,c]	State of California[a,c]
Ozone[d]	1 hour	0.12 ppm (235 $\mu g/m^3$)	0.09 ppm (180 $\mu g/m^3$)
	8 hour	0.08 ppm (160 $\mu g/m^3$)	NA
Carbon Monoxide	1 hour	35 ppm (40,000 $\mu g/m^3$)	20 ppm (23,000 $\mu g/m^3$)
	8 hour	9 ppm (10,000 $\mu g/m^3$)	9.0 ppm (10,000 $\mu g/m^3$)
Nitrogen Dioxide	1 hour	NA	0.25 ppm (470 $\mu g/m^3$)
	Annual	0.053 ppm (100 $\mu g/m^3$)	NA
Sulfur Dioxide	1 hour	NA	0.25 ppm (655 $\mu g/m^3$)
	3 hour	0.5 ppm (1,300 $\mu g/m^3$)	NA
	24 hour	0.14 ppm (365 $\mu g/m^3$)	0.04 ppm (105 $\mu g/m^3$)
	Annual	0.03 ppm (80 $\mu g/m^3$)	NA
Particulate Matter (PM-10)	24 hour	150 $\mu g/m^3$	50 $\mu g/m^3$
	Annual	50 $\mu g/m^3$	30 $\mu g/m^3$
Particulate Matter (PM-2.5) [d]	24 hour	65 $\mu g/m^3$	NA
	Annual	15 $\mu g/m^3$	NA
Sulfates	24 hour	NA	25 $\mu g/m^3$
Lead	30 day	NA	1.5 $\mu g/m^3$
	Calendar Quarter	1.5 $\mu g/m^3$	NA
Hydrogen Sulfide	1 hour	NA	0.03 ppm (42 $\mu g/m^3$)
Vinyl Chloride	24 hour	NA	0.010 ppm (26 $\mu g/m^3$)

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a California standards for ozone, carbon monoxide, sulfur dioxide, nitrogen dioxide, particulate matter (PM-10) are values that are not to be exceeded. All other California standards shown are values not to be equaled or exceeded.

b National standards, other than for ozone and particulate matter and those based on annual averages, are not to be exceeded more than once per year. For the one-hour ozone standard, the ozone standard is attained when the expected number of days per calendar year with maximum hourly average concentrations above the standard is equal to or less than one. The eight-hour ozone standard is met at a monitoring site when the three-year average of the annual fourth-highest daily maximum eight-hour average ozone concentration is less than or equal to 0.08 ppm.

c ppm = parts per million by volume; $\mu g/m^3$ = micrograms per cubic meter.

d New standards effective September 16, 1997 (40 CFR 50.7 and 40 CFR 50.10).

NA: Not Applicable.

SOURCE: California Air Resources Board, *Maps and Tables of the Area Designations for the State and National Ambient Air Quality Standards and Expected Peak Day Concentrations and Designation Values,* January 1998.