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# APPENDIX A

**Air Quality Trend Data by Pollutant:**

**Ozone, PM<sub>2.5</sub>, CO, NO<sub>2</sub>, SO<sub>2</sub>**

**Appendix A: Air Quality Trend Data by Pollutant: Ozone, PM<sub>2.5</sub>, CO, NO<sub>2</sub>, SO<sub>2</sub>**

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## *Introduction*

This appendix contains air quality trend data for each of California's 15 air basins, organized by pollutant. The five pollutants included are ozone, particulate matter (PM<sub>2.5</sub>), carbon monoxide (CO), nitrogen dioxide (NO<sub>2</sub>), and sulfur dioxide (SO<sub>2</sub>). The statistics are the same as those presented in Chapter 4 with the addition of CO, and the time period covered is 1992 through 2011, for PM<sub>2.5</sub>. the time period is 1999 to 2011.

Air quality statistics can fluctuate from year-to-year because of the influence of meteorology and/or changes in emissions. However, the statistics can also vary because of a change in monitoring site. The design value and maximum value statistics listed here reflect the highest value for the statistic at any site in the area. As a result, the statistic may not reflect the same site during the entire trend period. For example, the maximum 8-hour CO concentrations in Imperial County in the Salton Sea Air Basin were below the level of the national standard from 1992 through 1993. In 1994, however, the concentration shows a significant increase, and the national standard was violated. The CO concentrations in the Salton Sea Air Basin did not suddenly increase during 1994. Instead, monitoring began at a new site in Calexico, and the concentrations at the new site were higher than at the existing sites in the air basin. Information about the time periods for which air quality data are available for different pollutants at sites in California and Baja, Mexico is available online at [www.arb.ca.gov/adam/netrpt/](http://www.arb.ca.gov/adam/netrpt/).

Since the design value and maximum air quality statistics reflect the highest values in the area, the monitoring sites represented also may not be consistent among the various statistics during a particular year. For example, the monitoring site reflected in the maximum 1-hour ozone concentration may not be the same as the monitoring site reflected in the maximum 4th high 8-hour ozone concentration.

In contrast to the peak and maximum statistics, the counts of days above a standard reflect composite, basinwide values (i.e. a count of the total number of days an exceedance occurred at any site in the air basin).

## Ozone

### Annual 4th High 8-Hour (ppm)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS	0.091	0.075	0.084	0.080	0.078	0.077	0.082	0.079	0.079	0.083	0.083	0.080	0.080	0.085	0.082	0.085	0.077	0.070	0.069	0.075
LAKE COUNTY	0.051	0.062	0.065	0.057	0.060	0.058	0.055	0.070	0.062	0.060	0.072	0.061	0.062	0.061	0.062	0.057	0.068	0.061	0.056	0.055
LAKE TAHOE	0.078	0.066	0.073	0.071	0.069	0.066	0.073	0.068	0.066	0.067	0.067	0.068	0.054	0.064	0.069	0.070	0.072	0.063		
MOJAVE DESERT	0.140	0.137	0.141	0.137	0.133	0.118	0.131	0.106	0.109	0.101	0.115	0.111	0.102	0.105	0.103	0.104	0.105	0.096	0.104	0.100
MOUNTAIN COUNTIES	0.098	0.100	0.102	0.104	0.104	0.096	0.115	0.104	0.103	0.105	0.111	0.106	0.093	0.101	0.105	0.093	0.106	0.086	0.081	0.087
NORTH CENTRAL COAST	0.083	0.082	0.078	0.083	0.094	0.076	0.088	0.082	0.078	0.079	0.086	0.080	0.077	0.071	0.078	0.075	0.086	0.071	0.071	0.069
NORTH COAST	0.063	0.067	0.070	0.071	0.066	0.081	0.086	0.081	0.061	0.065	0.065	0.060	0.060	0.057	0.060	0.060	0.061	0.053	0.047	0.048
NORTHEAST PLATEAU	0.061	0.053	0.062	0.057	0.058	0.059	0.066	0.062	0.062	0.037	0.066	0.068	0.063	0.063	0.067	0.060	0.065	0.058	0.059	0.059
SACRAMENTO METROPOLITAN AREA	0.111	0.103	0.106	0.111	0.104	0.092	0.115	0.106	0.103	0.105	0.111	0.106	0.092	0.102	0.105	0.093	0.114	0.096	0.096	0.094
SACRAMENTO VALLEY	0.111	0.103	0.106	0.111	0.104	0.091	0.113	0.106	0.100	0.102	0.105	0.102	0.092	0.102	0.104	0.090	0.114	0.096	0.096	0.094
SALTON SEA	0.115	0.112	0.114	0.107	0.115	0.105	0.107	0.094	0.096	0.111	0.109	0.105	0.099	0.108	0.099	0.097	0.096	0.097	0.092	0.092
SAN DIEGO	0.110	0.112	0.107	0.107	0.099	0.093	0.114	0.092	0.095	0.096	0.096	0.089	0.083	0.087	0.094	0.086	0.098	0.085	0.081	0.082
SAN FRANCISCO BAY AREA	0.082	0.082	0.082	0.099	0.099	0.072	0.096	0.093	0.077	0.081	0.094	0.085	0.077	0.075	0.089	0.071	0.087	0.081	0.080	0.075
SAN JOAQUIN VALLEY	0.110	0.117	0.118	0.123	0.126	0.115	0.124	0.109	0.114	0.113	0.119	0.119	0.112	0.108	0.111	0.102	0.112	0.102	0.103	0.102
SOUTH CENTRAL COAST	0.112	0.111	0.117	0.123	0.118	0.105	0.113	0.102	0.100	0.101	0.097	0.093	0.092	0.090	0.094	0.086	0.092	0.087	0.083	0.081
SOUTH COAST	0.183	0.172	0.163	0.166	0.154	0.135	0.183	0.133	0.122	0.133	0.131	0.137	0.122	0.130	0.125	0.126	0.120	0.108	0.109	0.113

Table A-1

### 8-Hour Design Value (ppm)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS	0.081	0.078	0.082	0.079	0.079	0.077	0.079	0.079	0.080	0.079	0.081	0.081	0.080	0.081	0.082	0.084	0.081	0.077	0.072	0.071
LAKE COUNTY	0.055	0.057	0.059	0.061	0.060	0.058	0.057	0.061	0.062	0.064	0.064	0.064	0.065	0.061	0.061	0.060	0.062	0.062	0.061	0.057
LAKE TAHOE	0.075		0.061	0.070	0.071	0.068	0.069	0.069	0.069	0.067	0.066	0.066	0.062			0.067	0.070	0.068		
MOJAVE DESERT	0.147	0.139	0.138	0.133	0.131	0.124	0.127	0.118	0.110	0.102	0.106	0.106	0.107	0.105	0.103	0.103	0.104	0.100	0.099	0.097
MOUNTAIN COUNTIES	0.089	0.096	0.097	0.099	0.103	0.099	0.103	0.103	0.107	0.104	0.106	0.107	0.102	0.098	0.097	0.096	0.098	0.093	0.090	0.084
NORTH CENTRAL COAST	0.084	0.083	0.081	0.081	0.085	0.084	0.086	0.082	0.082	0.079	0.081	0.081	0.081	0.076	0.075	0.074	0.079	0.077	0.076	0.070
NORTH COAST	0.051	0.050	0.066	0.069	0.069	0.072	0.077	0.082	0.076	0.069	0.063	0.062	0.061	0.057	0.057	0.056	0.058	0.056	0.053	0.047
NORTHEAST PLATEAU	0.057	0.051	0.058	0.057	0.059	0.058	0.061	0.062	0.063	0.053	0.055	0.057	0.065	0.064	0.064	0.063	0.064	0.061	0.060	0.058
SACRAMENTO METROPOLITAN AREA	0.105	0.110	0.104	0.106	0.106	0.099	0.103	0.103	0.107	0.104	0.106	0.107	0.102	0.097	0.097	0.098	0.102	0.100	0.102	0.095
SACRAMENTO VALLEY	0.105	0.110	0.104	0.106	0.106	0.097	0.095	0.101	0.105	0.101	0.101	0.100	0.097	0.097	0.097	0.098	0.102	0.100	0.102	0.095
SALTON SEA	0.121	0.118	0.113	0.110	0.111	0.107	0.107	0.100	0.099	0.100	0.105	0.108	0.104	0.104	0.102	0.101	0.097	0.096	0.095	0.093
SAN DIEGO	0.118	0.112	0.109	0.108	0.104	0.099	0.102	0.099	0.100	0.094	0.095	0.093	0.089	0.086	0.088	0.089	0.092	0.089	0.088	0.082
SAN FRANCISCO BAY AREA	0.082	0.081	0.082	0.087	0.093	0.090	0.089	0.086	0.087	0.082	0.082	0.086	0.084	0.078	0.080	0.077	0.081	0.078	0.080	0.076
SAN JOAQUIN VALLEY	0.115	0.112	0.111	0.119	0.119	0.115	0.115	0.113	0.111	0.109	0.115	0.115	0.116	0.113	0.110	0.107	0.108	0.105	0.104	0.099
SOUTH CENTRAL COAST	0.118	0.115	0.112	0.117	0.119	0.115	0.112	0.106	0.105	0.101	0.097	0.095	0.094	0.091	0.090	0.088	0.088	0.087	0.086	0.083
SOUTH COAST	0.180	0.177	0.171	0.165	0.161	0.148	0.154	0.147	0.146	0.129	0.128	0.131	0.127	0.127	0.121	0.122	0.119	0.118	0.112	0.107

Table A-2

# Ozone

## Maximum 1-Hour Concentration (ppm)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS	0.150	0.090	0.120	0.110	0.095	0.092	0.092	0.094	0.090	0.099	0.100	0.089	0.092	0.105	0.092	0.107	0.098	0.098	0.081	0.084
LAKE COUNTY	0.080	0.080	0.090	0.070	0.090	0.080	0.080	0.090	0.080	0.070	0.090	0.080	0.080	0.070	0.080	0.070	0.080	0.070	0.080	0.060
LAKE TAHOE	0.100	0.090	0.086	0.092	0.083	0.095	0.081	0.095	0.083	0.088	0.083	0.086	0.066	0.073	0.086	0.090	0.091	0.077		
MOJAVE DESERT	0.230	0.200	0.188	0.240	0.175	0.187	0.202	0.137	0.163	0.146	0.157	0.163	0.138	0.145	0.148	0.132	0.140	0.123	0.137	0.132
MOUNTAIN COUNTIES	0.130	0.120	0.130	0.146	0.138	0.145	0.163	0.165	0.134	0.148	0.156	0.145	0.137	0.128	0.134	0.115	0.149	0.113	0.112	0.108
NORTH CENTRAL COAST	0.110	0.110	0.101	0.138	0.120	0.112	0.124	0.107	0.098	0.108	0.115	0.111	0.093	0.107	0.105	0.100	0.102	0.093	0.087	0.082
NORTH COAST	0.090	0.090	0.100	0.100	0.080	0.100	0.130	0.100	0.090	0.090	0.092	0.090	0.090	0.088	0.081	0.080	0.090	0.094	0.097	0.073
NORTHEAST PLATEAU	0.080	0.070	0.080	0.070	0.070	0.082	0.078	0.070	0.082	0.049	0.087	0.089	0.077	0.070	0.080	0.072	0.086	0.076	0.070	0.069
SACRAMENTO METROPOLITAN AREA	0.170	0.150	0.145	0.156	0.157	0.145	0.163	0.160	0.138	0.148	0.156	0.145	0.118	0.134	0.143	0.138	0.166	0.122	0.124	0.123
SACRAMENTO VALLEY	0.170	0.150	0.145	0.156	0.157	0.143	0.160	0.160	0.138	0.142	0.139	0.140	0.131	0.134	0.143	0.138	0.166	0.122	0.124	0.123
SALTON SEA	0.170	0.210	0.180	0.232	0.180	0.160	0.236	0.171	0.169	0.167	0.156	0.144	0.125	0.139	0.129	0.126	0.135	0.150	0.122	0.124
SAN DIEGO	0.170	0.187	0.147	0.162	0.138	0.136	0.164	0.124	0.124	0.141	0.121	0.125	0.129	0.113	0.121	0.134	0.139	0.119	0.107	0.114
SAN FRANCISCO BAY AREA	0.130	0.130	0.130	0.155	0.138	0.114	0.147	0.156	0.152	0.134	0.160	0.128	0.113	0.120	0.127	0.120	0.141	0.113	0.150	0.115
SAN JOAQUIN VALLEY	0.160	0.160	0.175	0.173	0.165	0.147	0.169	0.155	0.165	0.149	0.164	0.156	0.155	0.134	0.141	0.138	0.157	0.135	0.140	0.134
SOUTH CENTRAL COAST	0.150	0.146	0.164	0.169	0.158	0.137	0.174	0.135	0.128	0.129	0.132	0.130	0.122	0.121	0.130	0.113	0.115	0.116	0.104	0.110
SOUTH COAST	0.300	0.280	0.300	0.256	0.239	0.205	0.244	0.174	0.184	0.190	0.169	0.194	0.163	0.182	0.175	0.171	0.176	0.176	0.143	0.160

Table A-3

## 1-Hour Design Value (ppm)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS	0.140	0.140	0.130	0.100	0.100	0.092	0.091	0.089	0.090	0.100	0.100	0.100	0.090	0.090	0.090	0.098	0.098	0.098	0.090	0.081
LAKE COUNTY	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.070	0.070	0.070	0.080	0.080	0.080	0.070
LAKE TAHOE	0.090	0.080	0.083	0.086	0.083	0.083	0.081	0.081	0.081	0.083	0.083	0.083	0.079	0.073	0.086	0.086	0.091	0.091		
MOJAVE DESERT	0.230	0.200	0.190	0.210	0.182	0.175	0.167	0.166	0.164	0.135	0.143	0.138	0.138	0.138	0.134	0.133	0.132	0.127	0.130	0.124
MOUNTAIN COUNTIES	0.150	0.120	0.124	0.124	0.136	0.145	0.145	0.145	0.144	0.144	0.148	0.148	0.145	0.139	0.126	0.126	0.130	0.129	0.129	0.110
NORTH CENTRAL COAST	0.110	0.110	0.110	0.104	0.114	0.114	0.114	0.109	0.107	0.100	0.104	0.106	0.104	0.095	0.095	0.097	0.100	0.098	0.097	0.085
NORTH COAST	0.080	0.090	0.090	0.090	0.090	0.090	0.110	0.110	0.110	0.100	0.083	0.083	0.083	0.080	0.080	0.080	0.080	0.080	0.088	0.070
NORTHEAST PLATEAU	0.080	0.070	0.070	0.070	0.070	0.070	0.078	0.077	0.081	0.082	0.082	0.087	0.081	0.077	0.076	0.074	0.077	0.076	0.076	0.069
SACRAMENTO METROPOLITAN AREA	0.160	0.150	0.142	0.145	0.145	0.145	0.149	0.149	0.149	0.144	0.148	0.148	0.145	0.139	0.134	0.134	0.139	0.132	0.132	0.122
SACRAMENTO VALLEY	0.160	0.150	0.142	0.145	0.145	0.143	0.149	0.149	0.149	0.138	0.134	0.138	0.138	0.131	0.134	0.134	0.139	0.132	0.132	0.122
SALTON SEA	0.170	0.170	0.152	0.205	0.192	0.180	0.155	0.160	0.157	0.166	0.147	0.142	0.131	0.130	0.127	0.127	0.118	0.114	0.116	0.115
SAN DIEGO	0.170	0.154	0.150	0.146	0.141	0.137	0.133	0.131	0.130	0.118	0.118	0.118	0.115	0.112	0.113	0.113	0.121	0.119	0.116	0.105
SAN FRANCISCO BAY AREA	0.130	0.120	0.121	0.138	0.138	0.138	0.138	0.139	0.139	0.126	0.124	0.123	0.123	0.113	0.118	0.120	0.121	0.120	0.127	0.109
SAN JOAQUIN VALLEY	0.160	0.160	0.160	0.164	0.165	0.164	0.161	0.161	0.161	0.146	0.151	0.151	0.151	0.149	0.135	0.135	0.140	0.140	0.140	0.130
SOUTH CENTRAL COAST	0.150	0.150	0.146	0.157	0.158	0.152	0.144	0.134	0.132	0.128	0.124	0.124	0.118	0.118	0.121	0.113	0.113	0.113	0.111	0.108
SOUTH COAST	0.300	0.300	0.280	0.250	0.231	0.215	0.217	0.211	0.211	0.184	0.169	0.184	0.171	0.173	0.164	0.164	0.164	0.162	0.150	0.143

Table A-4

*Ozone***Days Above National 8-Hour Standard**

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS	19	4	28	5	12	11	14	10	8	16	13	13	18	24	9	18	5	2	1	3
LAKE COUNTY	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
LAKE TAHOE	5	0	2	2	0	0	1	1	0	1	1	0	0	0	0	0	1	0		
MOJAVE DESERT	156	147	161	131	132	123	105	124	107	107	109	111	104	93	100	98	107	87	91	95
MOUNTAIN COUNTIES	85	80	93	89	102	71	86	108	87	86	107	96	76	61	88	57	59	41	22	32
NORTH CENTRAL COAST	14	20	13	16	34	6	17	13	9	8	23	9	6	2	6	3	12	1	2	0
NORTH COAST	0	0	2	2	0	4	7	6	1	0	0	1	1	0	0	0	0	0	0	0
NORTHEAST PLATEAU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SACRAMENTO METROPOLITAN AREA	90	48	73	64	76	45	60	80	61	73	86	79	61	53	74	38	56	42	23	45
SACRAMENTO VALLEY	82	49	87	64	82	44	89	88	62	69	71	69	57	45	68	34	54	45	29	46
SALTON SEA	101	124	141	130	99	126	81	91	70	86	92	77	71	77	72	68	57	59	63	59
SAN DIEGO	105	91	90	94	64	43	58	44	46	43	31	38	23	24	38	27	35	24	14	10
SAN FRANCISCO BAY AREA	18	18	13	22	25	5	24	18	9	13	15	12	7	5	17	2	12	8	9	4
SAN JOAQUIN VALLEY	155	144	137	142	143	138	112	153	144	162	158	160	143	102	120	110	127	98	93	109
SOUTH CENTRAL COAST	103	80	110	110	104	80	75	61	61	60	46	75	52	39	59	35	63	29	23	11
SOUTH COAST	191	183	164	150	141	155	120	120	126	128	132	133	115	116	114	108	119	113	102	106

Table A-5



# PM<sub>2.5</sub>

## 98th Percentile 24-Hour Concentration (µg/m<sup>3</sup>)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS								67.0	41.0	62.0					35.0	44.0	36.0	28.2	44.1	
LAKE COUNTY								9.4	11.3	46.3	15.1	9.0	10.5	21.4	9.1	59.2	7.5	5.9	7.7	
LAKE TAHOE								21.0	21.0	26.0	22.0	19.0								
MOJAVE DESERT								23.5	23.0	21.0	33.0	17.0	20.0	20.0	19.0	20.0	17.8	17.0	15.0	50.0
MOUNTAIN COUNTIES								84.0	44.0	43.0	38.0	40.0	33.0	27.0	31.0	41.0	85.5	35.4	35.5	37.6
NORTH CENTRAL COAST									21.5	23.1	22.8	14.0	15.5	14.2	13.0	19.4	16.3	15.5	14.3	15.7
NORTH COAST								27.7		29.0	39.7	36.1	23.1	15.2	25.7	27.2	31.0	24.2	21.2	23.7
NORTHEAST PLATEAU								27.0	37.0									13.0		15.8
SACRAMENTO METROPOLITAN AREA							96.0	84.0	81.0	53.0	63.0	43.0	42.0	49.0	55.0	53.0	54.9	38.7	27.3	45.1
SACRAMENTO VALLEY							96.0	84.0	81.0	56.0	63.0	43.0	54.0	54.0	59.0	53.0	97.1	38.7	29.0	46.2
SALTON SEA								43.2	56.0	50.4	44.1	44.3	31.9	41.1	46.0	38.5	24.0	39.9	31.7	40.9
SAN DIEGO								45.1	48.7	40.8	39.3	46.9	37.4	30.2	30.8	37.7	30.2	25.2	25.2	27.4
SAN FRANCISCO BAY AREA								69.3	63.4	80.0	57.6	37.4	39.8	40.9	36.6	39.2	36.3	33.5	26.8	30.5
SAN JOAQUIN VALLEY								120.0	103.0	96.0	80.4	56.0	61.5	74.9	64.7	73.0	72.3	66.7	56.2	69.5
SOUTH CENTRAL COAST								35.4	42.4	50.7	35.2	33.4	36.7	26.3	27.6	31.8	25.7	26.4	22.4	30.2
SOUTH COAST								85.6	83.0	74.3	66.3	76.6	72.4	58.3	54.4	70.7	47.1	42.9	35.6	40.2

Table A-6

## 24-Hour Design Value (µg/m<sup>3</sup>)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS											51							38	36	36
LAKE COUNTY											22	24	23	12	14	14	30	25	24	7
LAKE TAHOE										23	23	22								
MOJAVE DESERT											26			16	20	19		16	14	
MOUNTAIN COUNTIES										54	42	40	37	33	30	33	49	52	47	33
NORTH CENTRAL COAST											22	20	17	15	14	14	14	17	15	15
NORTH COAST												29	27	15	16	15	25	25	24	23
NORTHEAST PLATEAU																				
SACRAMENTO METROPOLITAN AREA								72	68	60	51	49	45	49	52	54	49	40	35	
SACRAMENTO VALLEY								72	68	60	51	49	47	56	55	69	59	51	35	
SALTON SEA									49	50	46	40	39	40	42	36	34	32	38	
SAN DIEGO									45	43	41	39	36	32	30	32	31	26	26	
SAN FRANCISCO BAY AREA									71	63	47	45	39	39	38	36	36	31	27	
SAN JOAQUIN VALLEY									104	90	76	62	60	64	69	70	70	65	62	
SOUTH CENTRAL COAST									40	39	36	35	32	30	29	28	26	21	22	
SOUTH COAST									76	73	72	67	65	57	56	53	49	41	39	

Table A-7

*PM<sub>2.5</sub>***Maximum Annual Average ( $\mu\text{g}/\text{m}^3$ )**

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS										5.5	8.2					5.8	7.1	6.8	7.1	8.2
LAKE COUNTY									4.3	4.1	6.3	4.4	4.4	4.8	5.1	3.3	7.3	3.3	3.0	3.4
LAKE TAHOE								8.3	7.7	8.2	7.6	7.2								
MOJAVE DESERT								11.9	12.0	11.5	13.9	9.4	10.8	9.7	10.4	9.7	7.1	9.0	7.2	6.3
MOUNTAIN COUNTIES								11.1	9.0	15.6	9.9	13.3	11.7	10.6	10.9	13.0	15.2	10.4	9.7	11.9
NORTH CENTRAL COAST									7.9	9.1	9.1	7.4	7.0	6.8	7.1	7.0	7.2	5.8	6.6	6.5
NORTH COAST								9.1		9.4	9.1	7.4	8.2	6.2	7.6	7.6	7.9	7.0	7.7	9.9
NORTHEAST PLATEAU								7.9	8.5									5.1		5.5
SACRAMENTO METROPOLITAN AREA								19.9	12.3	11.9	14.3	12.3	11.5	11.5	13.1	12.3	13.2	10.7	8.8	10.5
SACRAMENTO VALLEY								19.9	15.8	13.0	15.1	12.3	15.1	12.3	13.2	12.3	16.4	10.7	8.8	12.1
SALTON SEA								15.2	16.9	14.9	15.1	11.4	11.8	9.4	12.5	13.0	8.4	8.0	12.9	7.5
SAN DIEGO								18.0	15.8	17.7	16.0	15.5	14.1	11.8	13.1	13.3	13.7	13.5	12.3	12.4
SAN FRANCISCO BAY AREA								16.2	13.6	12.8	14.0	11.7	11.6	11.8	10.8	10.7	11.5	10.1	10.5	10.1
SAN JOAQUIN VALLEY								27.6	23.9	22.5	24.1	19.6	18.9	19.8	19.3	22.0	23.5	22.5	17.9	20.4
SOUTH CENTRAL COAST								13.7	13.5	14.9	14.6	14.2	12.5	11.2	10.3	11.6	10.7	10.7	8.7	12.0
SOUTH COAST								30.2	28.3	31.0	27.5	24.8	22.1	20.9	20.8	20.9	18.3	17.2	15.5	15.9

Table A-8

**Annual Design Value ( $\mu\text{g}/\text{m}^3$ )**

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS																		6.6	7.0	7.4
LAKE COUNTY											4.9	5.0	5.0	4.5	4.8	4.4	5.2	4.7	4.5	3.2
LAKE TAHOE										8.1	7.8	7.6								
MOJAVE DESERT											12.5			8.9	10.3	9.9		6.1	6.0	
MOUNTAIN COUNTIES										9.4	9.0	8.9	8.7	11.8	11.1	11.5	11.8	12.2	10.9	9.4
NORTH CENTRAL COAST											8.6	8.4	7.8	7.0	6.9	6.9	7.1	6.7	6.5	6.3
NORTH COAST												8.1	7.8	6.8	6.6	5.9	7.5	7.3	6.8	6.4
NORTHEAST PLATEAU																				
SACRAMENTO METROPOLITAN AREA										12.5	12.4	11.7	10.8	11.8	12.0	12.3	12.9	12.1	10.9	10.0
SACRAMENTO VALLEY										15.4	14.6	12.9	13.6	12.6	13.5	12.3	13.4	12.4	11.5	10.1
SALTON SEA										15.7	15.6	11.8	11.3	9.4	9.3	8.9		7.4	7.7	7.4
SAN DIEGO										17.1	16.4	15.9	14.9	12.8	12.1	11.9	13.2	12.8	12.1	12.7
SAN FRANCISCO BAY AREA										14.2	12.7	11.9	11.5	11.7	11.4	11.1	11.0	10.8	9.1	9.1
SAN JOAQUIN VALLEY										24.7	23.2	21.8	20.6	19.0	18.9	20.3	21.5	22.6	21.2	18.2
SOUTH CENTRAL COAST										13.4	13.4	14.5	13.7	12.6	11.3	11.1	10.9	10.9	9.9	9.3
SOUTH COAST										29.8	28.9	27.8	24.8	22.6	20.7	19.6	20.0	18.8	17.0	16.2

Table A-9

# Carbon Monoxide

## Peak 8-Hour Indicator (ppm)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS	3.5	5.0	4.7	4.6	4.0	4.0	3.9		2.9	2.5	2.5									
LAKE COUNTY																				
LAKE TAHOE	10.2	8.7	8.3	7.8	7.0	5.6	5.0	2.3	2.1	1.9	2.0	1.9	1.9							
MOJAVE DESERT	6.5	6.2	6.1	5.8	7.4	4.8	4.4	4.4	4.6	4.8	2.0	2.0	2.0	1.9	1.8	1.6	1.5	1.4	1.6	2.0
MOUNTAIN COUNTIES	2.9	2.9	2.8	2.8	2.7	2.4	5.1	5.4	5.7	2.4	1.6	1.6	4.8	2.8	0.5	0.5				
NORTH CENTRAL COAST	2.5	2.4	2.3	2.2	2.2	2.0	2.0	2.0	1.6	1.6	1.5	1.4	1.2	1.2	1.1	1.0	1.0	1.4	1.4	0.9
NORTH COAST		2.4		3.2	3.4	3.3	3.1	3.6	3.4	3.3	2.6	2.3	2.0	1.8	1.7	1.6	2.0	1.6	1.6	2.1
NORTHEAST PLATEAU																				
SACRAMENTO METROPOLITAN AREA	12.9	10.7	9.6	9.3	8.5	7.7	7.3	7.0	7.0	7.3	6.0	4.4	4.2	4.4	4.2	4.2	3.5	3.1	2.8	2.8
SACRAMENTO VALLEY	12.9	10.7	9.6	9.3	8.5	7.7	7.3	7.0	7.0	7.3	6.0	4.4	4.2	4.4	4.2	4.2	3.5	3.1	2.8	2.8
SALTON SEA	2.2	2.1	17.4	18.8	17.8	17.4	15.5	15.5	14.8	14.3	12.8	11.5	10.5	8.4	8.0	7.3	6.5	5.9	5.3	5.5
SAN DIEGO	8.6	7.8	7.7	7.3	7.3	6.3	6.3	5.6	5.3	5.4	5.3	5.0	4.6	4.4	3.8	4.3	4.5	3.3	3.2	2.6
SAN FRANCISCO BAY AREA	11.1	9.3	8.1	7.8	7.4	6.5	6.7	6.5	7.1	6.9	6.0	5.5	4.0	3.7	3.5	3.4	3.1	2.8	2.5	2.5
SAN JOAQUIN VALLEY	11.5	10.0	10.0	10.9	9.9	9.0	8.3	8.5	8.4	6.4	5.3	4.8	4.2	3.7	3.4	3.4	3.1	2.6	2.5	2.6
SOUTH CENTRAL COAST	6.4	5.5	5.9	6.0	5.8	5.0	4.8	4.5	4.7	3.1	2.7	2.7	2.4	1.9	1.9	1.7	1.4	1.5	1.4	1.3
SOUTH COAST	17.7	16.5	16.7	15.6	16.1	15.5	15.4	13.7	12.6	11.2	9.4	8.7	8.3	7.1	6.4	6.0	6.2	5.1	4.7	4.7

Table A-10

## Carbon Monoxide

### Maximum 1-Hour Concentration (ppm)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS	11.0	13.0	9.0	10.0	6.0	8.2	6.7		4.2	15.4	3.8									
LAKE COUNTY																				
LAKE TAHOE	15.0	13.0	11.6	9.5	10.4	7.7	7.5	3.2	5.4	2.9	3.8	2.4	2.2							
MOJAVE DESERT	9.0	8.0	9.1	7.5	8.4	5.9	5.4	10.3	6.0	6.1	3.4	3.9	2.9	3.3	3.5	2.5	2.2	1.8	15.9	4.4
MOUNTAIN COUNTIES	6.2	10.0	9.3	9.3	4.5	6.6	6.7	4.1	5.0	6.2	3.7	2.5	6.5	2.4	2.2	1.2				
NORTH CENTRAL COAST	4.0	4.0	4.6	3.2	5.5	4.4	3.8	3.8	3.5	3.3	2.3	2.8	2.1	2.1	2.5	2.0	7.6	12.5	3.0	1.4
NORTH COAST	1.0	6.0		5.4	4.8	7.4	4.8	5.2	4.4	4.0	3.1	5.3	2.3	2.6	2.2	2.1	4.5	2.0	1.2	1.7
NORTHEAST PLATEAU																				
SACRAMENTO METROPOLITAN AREA	12.0	12.0	10.8	9.8	8.7	9.5	7.9	7.7	10.0	15.1	7.8	8.5	7.3	8.0	7.5	6.3	3.3	3.3	3.1	3.0
SACRAMENTO VALLEY	14.0	12.0	10.8	9.8	8.7	9.5	7.9	7.7	10.0	17.2	7.8	8.5	7.3	8.0	7.5	6.3	3.7	3.3	3.1	3.0
SALTON SEA	5.0	6.0	30.6	32.0	27.0	24.0	23.5	22.9	19.9	17.4	15.6	11.8	12.6	12.4	14.3	10.4	8.3	13.3	19.6	36.0
SAN DIEGO	14.0	11.4	11.0	9.9	12.4	9.3	10.2	9.9	9.3	8.5	8.5	12.7	6.9	7.9	10.8	8.7	7.7	4.6	3.9	3.5
SAN FRANCISCO BAY AREA	12.0	14.0	12.0	10.1	8.8	10.7	8.7	9.0	9.8	7.6	7.7	8.6	4.8	4.5	5.5	5.5	5.7	4.6	3.3	4.1
SAN JOAQUIN VALLEY	13.0	13.0	15.0	12.0	11.0	9.9	10.3	11.9	10.1	8.4	6.1	5.8	4.6	4.3	6.9	4.4	3.5	3.4	3.3	3.2
SOUTH CENTRAL COAST	12.0	9.0	10.7	8.9	12.6	8.2	8.5	8.2	6.2	8.3	5.7	7.2	4.7	4.0	4.1	4.6	5.2	3.4	3.2	3.1
SOUTH COAST	28.0	21.0	24.9	16.8	22.5	19.2	17.0	19.0	13.8	11.7	15.8	12.2	10.4	7.4	8.4	7.8	6.6	6.5	6.0	7.2

Table A-11

### Maximum 8-Hour Concentration (ppm)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS	4.4	4.5	5.4	5.4	3.0	3.4	3.0		2.5	2.5	1.8									
LAKE COUNTY																				
LAKE TAHOE	9.9	7.5	7.1	6.3	5.1	3.8	4.3	2.4	1.9	1.9	3.0	1.5	1.2							
MOJAVE DESERT	5.4	5.9	5.6	5.1	7.5	4.0	3.6	5.4	4.3	3.3	2.2	2.1	1.7	1.6	1.6	1.6	1.2	1.1	5.2	1.5
MOUNTAIN COUNTIES	4.5	5.4	5.4	3.4	2.6	1.9	5.5	3.0	1.6	4.3	1.5	1.9	5.7	1.2	0.6	0.7				
NORTH CENTRAL COAST	2.9	2.7	2.1	2.1	2.6	1.8	2.2	1.8	1.4	1.6	1.4	1.1	1.2	0.9	1.0	1.2	1.3	5.2	0.8	1.0
NORTH COAST	0.6	2.4		3.2	2.7	3.2	3.5	3.7	2.6	2.3	2.5	2.2	1.8	1.5	1.6	1.7	3.4	1.3	0.9	1.6
NORTHEAST PLATEAU																				
SACRAMENTO METROPOLITAN AREA	8.6	9.4	8.5	7.4	7.2	7.2	7.1	6.6	6.3	5.3	4.3	4.5	4.4	4.2	4.2	5.6	2.8	2.8	1.9	2.8
SACRAMENTO VALLEY	8.6	9.4	8.5	7.4	7.2	7.2	7.1	6.6	6.3	5.3	4.3	4.5	4.1	4.2	4.2	5.6	2.8	2.8	1.9	2.8
SALTON SEA	2.4	2.0	13.1	22.9	22.1	17.8	14.4	17.9	15.5	12.3	11.6	8.8	10.3	9.0	9.8	7.5	6.3	7.5	5.6	9.0
SAN DIEGO	7.9	7.5	7.5	6.3	7.1	5.4	4.8	6.0	5.9	5.1	4.7	10.6	4.1	4.7	3.6	5.2	3.5	3.5	2.5	2.4
SAN FRANCISCO BAY AREA	7.8	7.9	8.8	5.8	7.0	6.1	6.3	6.3	7.0	5.1	5.1	4.4	3.4	3.1	2.9	2.7	2.5	2.9	2.2	2.6
SAN JOAQUIN VALLEY	8.3	9.3	8.9	9.1	7.7	7.5	8.0	7.8	6.6	6.0	4.5	4.1	3.0	3.0	3.7	3.2	2.3	2.4	2.0	2.7
SOUTH CENTRAL COAST	5.9	4.8	6.5	5.8	4.9	4.1	4.6	4.2	4.3	3.4	2.4	3.7	2.6	1.7	1.8	1.4	1.7	1.6	1.1	1.9
SOUTH COAST	18.8	14.6	18.2	13.8	17.5	17.1	13.3	11.2	10.1	7.6	10.1	7.3	6.5	5.9	6.2	5.3	4.3	4.6	3.6	4.7

Table A-12

# Carbon Monoxide

## Days Above National 8-Hour Standard

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS	0	0	0	0	0	0	0		0	0	0									
LAKE COUNTY																				
LAKE TAHOE	1	0	0	0	0	0	0	0	0	0	0	0	0							
MOJAVE DESERT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOUNTAIN COUNTIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
NORTH CENTRAL COAST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH COAST	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTHEAST PLATEAU																				
SACRAMENTO METROPOLITAN AREA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SACRAMENTO VALLEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALTON SEA	0	0	9	15	9	10	8	11	6	6	3	0	1	0	1	0	0	0	0	0
SAN DIEGO	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
SAN FRANCISCO BAY AREA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN JOAQUIN VALLEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH CENTRAL COAST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH COAST	34	19	19	14	19	13	10	7	3	0	1	0	0	0	0	0	0	0	0	0

Table A-13

## Nitrogen Dioxide

### Maximum 1-Hour Concentration (ppb)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS																				
LAKE COUNTY																				
LAKE TAHOE	60.0	60.0	57.0	59.0	61.0	51.0	52.0	60.0	52.0	54.0	55.0	52.0	55.0							
MOJAVE DESERT	240.0	360.0	138.0	140.0	87.0	107.0	196.0	113.0	105.0	102.0	101.0	95.0	103.0	87.0	82.0	73.0	81.0	65.0	137.0	77.0
MOUNTAIN COUNTIES																				
NORTH CENTRAL COAST	70.0	70.0	67.0	54.0	60.0	56.0	85.0	54.0	71.0	42.0	49.0	53.0	139.0	52.0	67.0	50.0	49.0	40.0	36.0	40.0
NORTH COAST	80.0	50.0	79.0	78.0	44.0	61.0	52.0	66.0	42.0	52.0	80.0	53.0	37.0	37.0	40.0	43.0	110.0	94.3	23.0	27.9
NORTHEAST PLATEAU																				
SACRAMENTO METROPOLITAN AREA	190.0	120.0	111.0	99.0	145.0	92.0	101.0	110.0	86.0	172.0	90.0	102.0	146.0	79.0	97.0	127.0	115.0	68.0	95.0	66.0
SACRAMENTO VALLEY	190.0	120.0	111.0	99.0	145.0	92.0	101.0	110.0	85.0	172.0	90.0	102.0	146.0	79.0	97.0	127.0	115.0	68.0	95.0	73.0
SALTON SEA	90.0	90.0	227.0	217.0	164.0	128.0	257.0	286.0	192.0	139.0	138.0	189.0	108.0	131.0	101.0	112.0	146.0	121.6	140.5	130.0
SAN DIEGO	190.0	130.0	157.0	140.0	124.0	142.0	132.0	172.0	117.0	148.0	126.0	148.0	125.0	109.0	97.0	101.0	123.0	91.0	91.0	100.0
SAN FRANCISCO BAY AREA	110.0	120.0	107.0	116.0	108.0	118.0	98.0	128.0	114.0	108.0	80.0	81.0	73.0	74.0	107.0	69.0	80.0	69.0	92.9	93.3
SAN JOAQUIN VALLEY	190.0	160.0	144.0	119.0	110.0	103.0	112.0	108.0	99.0	115.0	107.0	92.0	83.0	87.0	100.0	101.0	98.0	76.0	82.0	69.0
SOUTH CENTRAL COAST	100.0	110.0	133.0	127.0	110.0	115.0	97.0	99.0	124.0	113.0	64.0	103.0	71.0	70.0	63.0	65.0	77.0	52.0	90.0	90.0
SOUTH COAST	300.0	260.0	247.0	239.0	250.0	200.0	255.0	307.0	214.0	251.0	262.0	163.0	157.0	136.0	137.0	108.0	125.0	115.0	117.8	109.6

Table A-14

### 1-Hour Design Value (ppb)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS																				
LAKE COUNTY																				
LAKE TAHOE				48	47	47	47	47	47	46	45	44								
MOJAVE DESERT	60	73	85	83	78	77	81	84	86	82	80	80	79	78	75	72	69	63	63	61
MOUNTAIN COUNTIES																				
NORTH CENTRAL COAST	50	50	49	48	45	45	43	27	27	27	36	35	36	36	38	37	35	34	33	33
NORTH COAST								41	40	40	35	35	33	32	32	32	32	32	22	23
NORTHEAST PLATEAU																				
SACRAMENTO METROPOLITAN AREA	90	90	83	80	78	75	72	71	71	71	67	67	67	63	58	57	57	56	54	51
SACRAMENTO VALLEY	90	90	83	80	78	75	72	71	71	71	67	67	67	63	58	57	57	56	54	51
SALTON SEA				71	69	113	62	77	61	103	58	59	75	83	76	75	74	72	67	64
SAN DIEGO	120	109	104	99	95	94	88	91	88	96	91	95	88	71	86	86	88	85	82	75
SAN FRANCISCO BAY AREA	110	97	85	90	87	84	78	82	80	81	60	59	57	54	55	57	56	54	62	70
SAN JOAQUIN VALLEY	100	97	95	97	89	84	78	82	81	87	85	83	76	71	68	65	64	61	62	59
SOUTH CENTRAL COAST	87	84	84	89	74	82	73	70	70	69	65	60	56	53	50	48	46	45	44	42
SOUTH COAST	223	190	171	168	151	138	127	133	143	151	138	117	111	101	89	84	84	81	79	72

Table A-15

# Nitrogen Dioxide

## Annual Average Design Value (ppb)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS																				
LAKE COUNTY																				
LAKE TAHOE	11	11	12	11	11	11	10	11	11	11	12	10								
MOJAVE DESERT	26	26	27	23	21	20	22	24	25	24	25	24	23	22	22	20	19	16	17	17
MOUNTAIN COUNTIES																				
											1	2	2				3		4	
NORTH CENTRAL COAST	12	12	12	11	11	10	10	10	7	7	7	6	7	8	7	7	7	6	6	6
NORTH COAST			9	9		10	10	10	11	10	10	9	9	8	9	8	7	5	3	
NORTHEAST PLATEAU																				
SACRAMENTO METROPOLITAN AREA	21	22	22	22	22	19	21	21	19	19	20	18	17	16	16	15	15	13	12	13
SACRAMENTO VALLEY	21	22	22	22	22	19	21	21	19	19	20	18	17	16	16	15	15	13	12	13
SALTON SEA		19	21	21	20	15	16	18	19	17	16	16	15	15	14	14	14	14	14	14
SAN DIEGO	27	23	24	26	22	24	23	26	24	22	22	21	23	24	24	22	24	21	21	20
SAN FRANCISCO BAY AREA	25	27	28	27	25	25	25	26	25	24	19	18	17	19	18	17	17	16	16	16
SAN JOAQUIN VALLEY	27	27	24	29	29	24	24	27	24	22	24	23	19	21	21	20	19	18	14	15
SOUTH CENTRAL COAST	22	23	24	24	22	20	21	22	20	19	17	15	14	15	13	13	12	11	10	9
SOUTH COAST	51	50	50	46	42	43	43	51	44	41	40	35	34	31	31	31	30	28	26	25

Table A-16

## Sulfur Dioxide

### Maximum 1-Hour Concentration (ppb)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS																				
LAKE COUNTY																				
LAKE TAHOE																				
MOJAVE DESERT	30.0	30.0	67.0	15.0	16.0	35.0	13.0	26.0	25.0	12.0	12.0	11.0	19.0	18.0	33.0	14.0	36.0	28.0	52.0	14.0
MOUNTAIN COUNTIES																				
NORTH CENTRAL COAST	10.0	50.0	41.0	58.0	9.0	6.0	28.0	7.0	23.0	28.0	36.0	36.0	27.0	22.0	18.0	13.0	28.0	5.0		
NORTH COAST	30.0	10.0	9.0												25.0	9.0	15.0	26.0	3.0	2.1
NORTHEAST PLATEAU																				
SACRAMENTO METROPOLITAN AREA	20.0	40.0	30.0	14.0	14.0	38.0	29.0	26.0	23.0	31.0	17.0	13.0	8.0	18.0	9.0	30.0	10.0	3.0	3.0	4.7
SACRAMENTO VALLEY	20.0	40.0	30.0	14.0	14.0	38.0	29.0	26.0	23.0	31.0	17.0	13.0	8.0	18.0	9.0	30.0	10.0	3.0	3.0	4.7
SALTON SEA			60.0	39.0	36.0	40.0	35.0	28.0	26.0	2.9	2.2	1.6	3.3	1.9	192.0	14.0	18.0	13.0	9.0	9.0
SAN DIEGO	120.0	56.0	98.0	81.0	87.0	81.0	149.0	84.0	58.0	60.0	44.0	36.0	45.0	40.0	45.0	27.0	37.0	29.0	27.0	18.0
SAN FRANCISCO BAY AREA	100.0	110.0	74.0	47.0	63.0	99.0	62.0	98.0	95.0	104.0	111.0	134.0	90.0	38.0	45.0	72.0	196.0	28.0	37.0	53.3
SAN JOAQUIN VALLEY	30.0	30.0	29.0	26.0	59.0	20.0		11.0	19.0	30.0		19.0				24.0	12.0	13.0	15.0	16.0
SOUTH CENTRAL COAST	170.0	570.0	95.0	245.0	251.0	211.0	162.0	157.0	159.0	224.0	203.0	140.0	150.0	50.0	137.0	151.0	47.0	17.0	23.0	28.0
SOUTH COAST	150.0	90.0	40.0	138.0	61.0	96.0	90.0	88.0	165.0	107.0	130.0	33.0	42.0	41.0	28.0	37.0	87.0	22.0	40.0	43.4

Table A-17

### 1-Hour Design Value (ppb)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS																				
LAKE COUNTY																				
LAKE TAHOE																				
MOJAVE DESERT		10	10	9	8	10	9	9	10	11	10	10	9	10	11	11	10	10	9	9
MOUNTAIN COUNTIES																				
NORTH CENTRAL COAST	10					15	6	6	8	13	19	22	18	14	12	11	14			
NORTH COAST																				
NORTHEAST PLATEAU																				
SACRAMENTO METROPOLITAN AREA	17	13	10	0	0	0	12	15	0	0	0	13	9	7	6	6	0	0	0	2
SACRAMENTO VALLEY	17	13	10				12	15				13	9	7	6	6				2
SALTON SEA							28	26	25	18	10	2	2	2	19	21	24	10	9	8
SAN DIEGO	50	70	72	55	56	56	56	59	54	48	36	30	26	27	30	10	20	17	14	
SAN FRANCISCO BAY AREA	37	37	40	28	27	30	36	43	44	43	38	34	30	26	26	26	23	25	20	17
SAN JOAQUIN VALLEY	23	20	15	13	14														7	8
SOUTH CENTRAL COAST	103	100	23	25	21	126	130	115	114	105	108	108	107	41	36	8	67	35	12	6
SOUTH COAST	57	63	56	43	41	41	33	39	38	36	32	30	29	33	32	28	24	20	19	7

Table A-18



# Sulfur Dioxide

## Maximum 24-Hour Concentration (ppb)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS																				
LAKE COUNTY																				
LAKE TAHOE																				
MOJAVE DESERT	12.2	10.4	11.7	8.3	6.8	7.0	6.1	6.0	6.0	6.8	6.8	5.7	5.2	4.3	5.5	5.0	4.2	5.5	7.2	7.0
MOUNTAIN COUNTIES																				
NORTH CENTRAL COAST	8.3	6.7	6.0	12.2	3.2	2.0	3.9	2.1	3.6	8.1	8.7	4.7	4.7	4.3	3.6	3.3	5.1	4.1		
NORTH COAST	6.4	1.4	2.3												1.4	1.5	2.2	3.2	3.0	1.9
NORTHEAST PLATEAU																				
SACRAMENTO METROPOLITAN AREA	12.2	6.5	11.0	7.0	6.4	6.2	18.4	12.9	15.3	14.3	9.2	3.9	3.0	2.6	2.8	3.5	2.1	1.7	1.9	1.4
SACRAMENTO VALLEY	12.2	6.5	11.0	7.0	6.4	6.2	18.4	12.9	15.3	14.3	9.2	3.9	3.0	2.6	2.8	3.5	2.1	1.7	1.9	1.4
SALTON SEA			17.7	17.3	14.2	14.1	18.6	17.5	11.4	1.7	1.0	0.7	2.8	1.6	37.4	3.9	6.9	5.3	3.3	2.7
SAN DIEGO	30.0	18.0	19.5	17.5	19.2	16.7	20.2	19.2	11.5	14.3	11.7	11.0	14.8	13.0	10.8	8.6	8.4	8.9	7.9	6.0
SAN FRANCISCO BAY AREA	20.8	12.5	9.9	9.9	13.0	13.5	14.3	34.1	24.5	16.1	13.6	8.2	10.5	8.6	8.8	9.0	12.6	7.2	6.5	6.6
SAN JOAQUIN VALLEY	10.0	10.4	10.7	14.8	13.1	5.3		6.3	9.4	5.0		4.1				5.2	2.7	4.5	3.1	3.9
SOUTH CENTRAL COAST	21.7	38.3	7.3	36.7	29.2	30.4	30.3	30.2	28.8	40.9	21.4	22.2	34.5	7.6	19.4	13.3	5.6	2.7	2.8	3.7
SOUTH COAST	32.6	13.9	9.8	17.9	11.9	13.9	12.3	19.3	25.2	20.9	17.6	11.6	14.9	11.1	9.9	9.5	10.4	6.3	6.0	11.6

Table A-19

## Maximum Annual Average (ppb)

AIR BASIN	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GREAT BASIN VALLEYS																				
LAKE COUNTY																				
LAKE TAHOE																				
MOJAVE DESERT	2.5	3.4	4.1	3.2	1.6	1.5	1.2	1.9	1.4	1.6	1.3	1.0	0.9	0.8	1.0	0.9	0.8	0.7	1.2	1.5
MOUNTAIN COUNTIES																				
NORTH CENTRAL COAST	0.1	0.4	1.7	0.6	1.3	0.5	1.0	1.0	1.0	1.1	1.2	1.0	1.0	1.2	1.3	1.2	1.2	1.2		
NORTH COAST	0.4	0.0	0.9												0.1	0.4	0.2	0.2	1.3	0.6
NORTHEAST PLATEAU																				
SACRAMENTO METROPOLITAN AREA	0.8	0.4	1.3	1.3	2.1	2.3	3.2	4.3	4.6	2.4	1.5	0.9	0.7	0.9	0.7	0.8	0.5	0.5	0.5	0.3
SACRAMENTO VALLEY	0.8	0.4	1.3	1.3	2.1	2.3	3.2	4.3	4.6	2.4	1.5	0.9	0.7	0.9	0.7	0.8	0.5	0.5	0.5	0.3
SALTON SEA			6.6	5.2	3.8	2.6	3.4	2.4	2.3	0.6	0.3	0.1	0.2	0.2	1.1	0.8	0.6	0.5	0.5	0.4
SAN DIEGO	4.4	2.8	3.0	3.5	4.7	4.0	3.2	3.1	3.7	3.5	3.8	4.5	5.5	4.6	4.0	3.0	3.1	3.5	1.8	2.2
SAN FRANCISCO BAY AREA	1.9	1.6	2.3	2.8	2.7	3.4	2.5	3.0	2.5	2.7	2.7	2.8	3.2	2.4	2.4	2.0	1.9	1.5	1.7	3.3
SAN JOAQUIN VALLEY	2.1	2.4	3.9	3.7	2.7	2.0		3.2	2.5	1.7		1.5				0.7	1.0	1.6	0.7	0.7
SOUTH CENTRAL COAST	3.2	4.0	2.2	5.8	5.0	4.0	4.5	4.4	4.3	4.7	3.8	3.2	3.6	1.2	2.1	0.7	1.2	1.2	1.2	1.4
SOUTH COAST	5.7	3.6	4.1	3.9	3.6	3.5	4.0	4.2	2.5	4.7	4.4	2.3	5.0	5.6	2.0	2.7	2.2	1.9	1.4	1.2

Table A-20

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