

## 2000 AIR QUALITY SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Source/Receptor Area No. Location		Station No.		Carbon Monoxide					Ozone					Nitrogen Dioxide				Sulfur Dioxide						
				No. Days Standard Exceeded <sup>a)</sup>					No. Days Standard Exceeded					Average Compared to Federal Standard <sup>b)</sup>		No. Days Standard Exceeded		Average Compared to Federal Standard <sup>d)</sup>						
				No. Days of Data	Max. Conc. in ppm	Max. Conc. in ppm	Federal ≥ 9.5 ppm	State > 9.0 ppm	No. Days of Data	Max. Conc. in ppm	Max. Conc. in ppm	Fourth High Conc. Ppm 8-hour	Federal > 0.12 ppm 1-hour	State > 0.08 ppm 8-hour	State > 0.09 ppm 1-hour	No. Days of Data	Max. Conc. in ppm	Average in ppm	> 0.25 ppm 1-hour	No. Days of Data	Max. Conc. in ppm	Max. Conc. in ppm	Average in ppm	
Los Angeles County																								
1	Central LA	087		365	7	6.0	0	0	365	0.14	0.105	0.086	1	4	8	353	0.16	0.0404	0	305*	0.08*	0.010*	0.0009*	
2	Northwest Coastal LA County	091		362	6	4.3	0	0	365	0.10	0.079	0.071	0	0	2	361	0.16	0.0273	0	--	--	--	--	
3	Southwest Coastal LA County	094		365	9	7.0	0	0	359	0.10	0.075	0.065	0	0	1	364	0.13	0.0275	0	365	0.17	0.017	0.0017	
4	South Coastal LA County	072		363	10	5.8	0	0	365	0.12	0.080	0.069	0	0	3	358	0.14	0.0313	0	365	0.05	0.014	0.0015	
6	West San Fernando Valley	074		365	11	9.8	1	2	362	0.11	0.084	0.083	0	0	6	365	0.11	0.0285	0	--	--	--	--	
7	East San Fernando Valley	069		365	8	6.1	0	0	363	0.15	0.119	0.098	3	11	16	365	0.17	0.0415	0	357	0.01	0.004	0.0001	
8	West San Gabriel Valley	088		357	9	7.4	0	0	362	0.16	0.134	0.106	7	14	19	355	0.17	0.0296	0	--	--	--	--	
9	East San Gabriel Valley 1	060		365	5	4.9	0	0	365	0.17	0.141	0.109	11	16	32	365	0.15	0.0366	0	--	--	--	--	
9	East San Gabriel Valley 2	591		345	4	3.1	0	0	358	0.17	0.148	0.113	11	22	39	349	0.13	0.0290	0	--	--	--	--	
10	Pomona/Walnut	075		360	7	4.9	0	0	363	0.15	0.124	0.089	3	5	18	358	0.14	0.0435	0	--	--	--	--	
11	South San Gabriel Valley	085		365	7	5.3	0	0	365	0.14	0.114	0.086	2	4	11	365	0.14	0.0366	0	--	--	--	--	
12	South Central LA County 1	084		365	13	10.0	2	6	365	0.09	0.064	0.051	0	0	0	360	0.14	0.0386	0	--	--	--	--	
12	South Central LA County 2	801		222*	13*	9.5*	1*	3*	222*	0.12*	0.095*	0.085*	0*	4*	4*	221*	0.11*	0.0292*	0*	--	--	--	--	
13	Santa Clarita Valley	089		345	6	4.9	0	0	360	0.13	0.111	0.099	1	16	31	360	0.10	0.0246	0	--	--	--	--	
Orange County																								
16	North Orange County	3177		364	14	6.1	0	0	364	0.14	0.103	0.085	1	4	8	269*	0.12*	0.0304*	0*	--	--	--	--	
17	Central Orange County	3176		360	8	6.8	0	0	364	0.13	0.101	0.075	1	1	9	364	0.13	0.0300	0	--	--	--	--	
18	North Coastal Orange County	3195		339*	8*	6.3*	0*	0*	365	0.10	0.087	0.087	1	1	1	362	0.11	0.0205	0	363	0.02	0.008	0.0005	
19	Saddleback Valley 1	3186		244*	5*	2.3*	0*	0*	244*	0.13*	0.110*	0.068*	1*	2*	3*	--	--	--	--	--	--	--	--	
19	Saddleback Valley 2	3812		305*	4*	3.3*	0*	0*	305*	0.15*	0.129*	0.089*	2*	8*	25*	--	--	--	--	--	--	--	--	
Riverside County																								
22	Norco/Corona	4155		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
23	Metropolitan Riverside County 1	4144		365	5	4.3	0	0	365	0.14	0.113	0.106	3	29	41	298*	0.10*	0.0236*	0*	329*	0.11*	0.041*	0.0008*	
23	Metropolitan Riverside County 2	4146		365	9	4.3	0	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
24	Perris Valley	4149		--	--	--	--	--	361	0.16	0.126	0.113	15	41	65	--	--	--	--	--	--	--	--	
25	Lake Elsinore	4158		351	4	2.0	0	0	361	0.13	0.109	0.099	1	31	45	360	0.08	0.0175	0	--	--	--	--	
29	Banning Airport	4164		--	--	--	--	--	363	0.14	0.111	0.103	4	39	52	365	0.21	0.0237	0	--	--	--	--	
30	Coachella Valley 1**	4137		353	3	1.6	0	0	355	0.12	0.105	0.096	0	33	40	337	0.07	0.0178	0	--	--	--	--	
30	Coachella Valley 2**	4157		87*	3*	2.1*	0*	0*	354	0.11	0.096	0.089	0	9	43	87*	0.06*	0.0099*	0*	--	--	--	--	
San Bernardino County																								
32	Northwest San Bernardino Valley	5175		348	4	2.6	0	0	365	0.18	0.159	0.118	10	19	43	357	0.15	0.0380	0	--	--	--	--	
33	Southwest San Bernardino Valley	5817		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
34	Central San Bernardino Valley 1	5197		--	--	--	--	--	365	0.17	0.139	0.101	7	16	36	365	0.12	0.0364	0	274*	0.02*	0.010*	0.0018*	
34	Central San Bernardino Valley 2	5203		304*	5*	4.3*	0*	0*	365	0.15	0.125	0.111	7	27	48	365	0.10	0.0325	0	--	--	--	--	
35	East San Bernardino Valley	5204		--	--	--	--	--	365	0.15	0.133	0.113	11	51	78	--	--	--	--	--	--	--	--	
37	Central San Bernardino Mountains	5181		--	--	--	--	--	354	0.18	0.149	0.123	17	73	85	--	--	--	--	--	--	--	--	
38	East San Bernardino Mountains	5818		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
District Maximum				14	10.0	2	6		0.18	0.159	0.123	17	73	85	0.21	0.0435	0	0.17	0.041	0.0018				

ppm - Parts Per Million parts of air, by volume. AAM = Annual Arithmetic Mean -- - Pollutant not monitored.

\*Less than 12 full months of data. May not be representative.

\*\*Salton Sea Air Basin.

a) - The federal 1-hour standard (1-hour average CO > 35 ppm) and state 1-hour standard (1-hour average CO > 20 ppm) were not exceeded.

b) - The federal standard is annual arithmetic mean NO<sub>2</sub> greater than 0.0534 ppm. No location exceeded this standard.

c) - The state standards are 1-hour average > 0.25 ppm and 24-hour average > 0.045 ppm. No location exceeded state standards.

d) - The federal standard is annual arithmetic mean SO<sub>2</sub> > 0.03 ppm. No location exceeded this standard.

The other federal standards (3-hour average > 0.50 ppm, and 24-hour average > 0.14 ppm) were not exceeded either.



**South Coast  
Air Quality Management District**  
21865 East Copley Drive  
Diamond Bar, CA 91765-4182  
<http://www.aqmd.gov>

The map showing the locations of source/receptor areas can be accessed via the Internet at <http://www.aqmd.gov/smog/areamap.html>. Locations of source/receptor areas are shown on the "South Coast Air Quality Management District Air Monitoring Areas" map available free of charge from SCAQMD Public Information.

# 2000

## SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Source/Receptor Area No. Location	Station No.	Suspended Particulates PM10 <sup>e)</sup>						Suspended Particulates PM2.5 <sup>f)</sup>				Particulates TSP <sup>g)</sup>			Lead <sup>g)</sup>		Sulfate <sup>g)</sup>		
		No. Days of Data	Max. Conc. in µg/m <sup>3</sup> 24-hour	No. (%) Samples Exceeding Standard		Annual Averages <sup>h)</sup>		No. Days of Data	Max. Conc. in µg/m <sup>3</sup> 24-hour	No. (%) Samples Exceeding Standard		Annual Averages <sup>i)</sup>	No. Days of Data	Max. Conc. in µg/m <sup>3</sup> 24-hour	Annual Average µg/m <sup>3</sup>	Max. Monthly Average Conc. <sup>j)</sup> µg/m <sup>3</sup>	Max. Quarterly Average Conc. <sup>j)</sup> µg/m <sup>3</sup>	Max. Conc. in µg/m <sup>3</sup> 24-hour	No. (%) Samples Exceeding Standard State ≥ 25 µg/m <sup>3</sup> 24-hour
				Federal > 150 µg/m <sup>3</sup>	State > 50 µg/m <sup>3</sup>	AAM Conc. µg/m <sup>3</sup>	AGM Conc. µg/m <sup>3</sup>			Federal > 65 µg/m <sup>3</sup>	AAM Conc. µg/m <sup>3</sup>								
Los Angeles County																			
1	Central LA	087	60	80	0	15(25)	40.0	37.0	334	87.8	11(3.3)	22.0	60	127	72.0	0.06	0.05	16.4	0
2	Northwest Coastal LA County	091	--	--	--	--	--	--	--	--	--	--	60	87	48.2	--	--	14.1	0
3	Southwest Coastal LA County	094	57	74	0	9(16)	36.1	33.4	--	--	--	--	61	127	64.8	0.08	0.05	16.2	0
4	South Coastal LA County	072	57	105	0	12(21)	37.6	34.0	304*	81.5*	4(1.3)*	19.2*	61	164	68.2	0.05	0.04	26.7	1
6	West San Fernando Valley	074	--	--	--	--	--	--	108	67.5	2(1.9)	18.1	--	--	--	--	--	--	--
Orange County																			
7	East San Fernando Valley	069	60	74	0	14(23)	39.1	36.1	70*	84.4*	3(4.3)*	23.8*	--	--	--	--	--	--	--
8	West San Gabriel Valley	088	--	--	--	--	--	--	110	66.3	1(0.9)	19.3	60	91	49.1	--	--	13.9	0
9	East San Gabriel Valley 1	060	57	94	0	24(42)	46.3	42.5	333	92.5	5(1.5)	20.1	59	157	85.3	--	--	17.2	0
9	East San Gabriel Valley 2	591	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	Pomona/Walnut	075	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	South San Gabriel Valley	085	--	--	--	--	--	--	116	89.5	4(3.4)	24.1	57	118	74.7	0.09	0.06	13.1	0
12	South Central LA County 1	084	--	--	--	--	--	--	121	82.1	2(1.7)	23.0	60	167	74.9	0.09	0.06	11.4	0
12	South Central LA County 2	801	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	Santa Clarita Valley	089	61	64	0	4(7)	32.7	29.8	--	--	--	--	--	--	--	--	--	--	--
Riverside County																			
16	North Orange County	3177	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	Central Orange County	3176	61	126	0	8(13)	39.9	35.7	273*	113.9*	6(2.2)*	21.0*	--	--	--	--	--	--	--
18	North Coastal Orange County	3195	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
19	Saddleback Valley 1	3186	31*	60*	0*	1(3)*	28.9*	27.4*	--	--	--	--	--	--	--	--	--	--	--
19	Saddleback Valley 2	3812	60	98	0	2(3)	27.8	25.5	119	94.7	1(0.8)	14.7	--	--	--	--	--	--	--
San Bernardino County																			
22	Norco/Corona	4155	58	129	0	28(48)	49.3	43.4	--	--	--	--	--	--	--	--	--	--	--
23	Metropolitan Riverside County 1	4144	97	139	0	68(70)	60.1	54.7	304*	119.6*	11(3.6)*	28.2*	62	211	115.5	0.06	0.05	11.0	0
23	Metropolitan Riverside County 2	4146	--	--	--	--	--	--	111	79.3	5(4.5)	25.5	63	144	82.8	0.04	0.03	10.2	0
24	Perris Valley	4149	59	87	0	13(22)	41.1	36.8	--	--	--	--	--	--	--	--	--	--	--
25	Lake Elsinore	4158	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
29	Banning Airport	4164	59	69	0	5(8)	29.1	24.7	--	--	--	--	--	--	--	--	--	--	--
30	Coachella Valley 1**	4137	56	44	0	0	24.4	22.7	120	28.5	0	9.6	--	--	--	--	--	--	--
30	Coachella Valley 2**	4157	103 <sup>k)</sup>	114 <sup>k)</sup>	0 <sup>k)</sup>	52(50 <sup>k)</sup>	51.9 <sup>k)</sup>	48.4 <sup>k)</sup>	115	28.6	0	11.2	--	--	--	--	--	--	--
District Maximum																			
			139	0	68	60.1	54.7		119.6	11	28.2		211	115.5	0.09	0.06	26.7	1	

µg/m<sup>3</sup> - Micrograms per cubic meter of air.

AAM - Annual Arithmetic Mean

AGM - Annual Geometric Mean

-- - Pollutant not monitored.

\* - Less than 12 full months of data. May not be representative.

\*\* - Salton Sea Air Basin.

e) - PM10 samples were collected every 6 days (every 3 days at Station Numbers 4144 and 4157) using the size-selective inlet high volume sampler with quartz filter media.

f) - PM2.5 federal standard was established effective September 16, 1997. PM2.5 samples were collected every 3 days at all sites except for the following sites: Station Numbers 060, 072, 087, 3176, and 4144 where samples were taken every day, and Station Number 5818 where samples were taken every 6 days.

g) - Total suspended particulates, lead, and sulfate were determined from samples collected every 6 days by the high volume sampler method, on glass fiber filter media.

h) - Federal PM10 standard is AAM > 50 µg/m<sup>3</sup>; and state standard is AGM > 30 µg/m<sup>3</sup>.

i) - Federal PM2.5 standard is AAM > 15 µg/m<sup>3</sup>.

j) - Federal lead standard is quarterly average > 1.5 µg/m<sup>3</sup>; and state standard is monthly average ≥ 1.5 µg/m<sup>3</sup>. No location exceeded lead standards.

Special monitoring immediately downwind of stationary sources of lead was carried out at four locations in 2000. The maximum monthly average concentration was 0.46 µg/m<sup>3</sup>, and the maximum quarterly average concentration was 0.34 µg/m<sup>3</sup>, both recorded in Area 5, Southeast Los Angeles County.

k) - The data for the samples collected on high-wind-days (190 µg/m<sup>3</sup> on 4/21/00, 201 µg/m<sup>3</sup> on 5/15/00 and 183 µg/m<sup>3</sup> on 9/21/00) were excluded in accordance with EPA's Natural Events Policy.



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