

**2007 AIR QUALITY  
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

**2007**

Source/Receptor Area No. Location	Station No. State Code District Code		Carbon Monoxide <sup>a)</sup>			Ozone										Nitrogen Dioxide <sup>d)</sup>			Sulfur Dioxide <sup>e)</sup>				
			No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 8-hour	No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 8-hour	Fourth High Conc. ppm 8-hour	No. Days Standard Exceeded					No. Days of Data	Max. Conc. in ppm 1-hour	Annual Average AAM Conc. ppm	No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 24-hour	Annual Average AAM Conc. ppm		
										Health Advisory $\geq 0.15$ ppm 1-hour	Federal <sup>b)</sup>			State <sup>c)</sup>									
											> 0.12 ppm 1-hour	> 0.08 ppm 8-hour	> 0.075 ppm 8-hour	> 0.09 ppm 1-hour								> 0.070 ppm 8-hour	
<b>LOS ANGELES COUNTY</b>																							
1	Central LA	70087	087	359	3	2.2	355	0.115	0.102	0.072	0	0	2	3	3	6	360	0.10	0.0299	351	0.01	0.003	0.0009
2	Northwest Coastal LA County	70091	091	365	3	2.0	360	0.117	0.087	0.067	0	0	1	2	2	2	353	0.08	0.0200	--	--	--	--
3	Southwest Coastal LA County	70111	820	361	3	2.4	361	0.087	0.074	0.066	0	0	0	0	0	1	331*	0.08	0.0140	361	0.02	0.009	0.0028
4	South Coastal LA County 1	70072	072	347*	3	2.6	365	0.099	0.073	0.056	0	0	0	0	1	1	365	0.11	0.0207	365	0.11	0.011	0.0027
4	South Coastal LA County 2	70110	077	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6	West San Fernando Valley	70074	074	358	4	2.8	358	0.129	0.104	0.092	0	1	8	28	21	43	358	0.08	0.0186	--	--	--	--
7	East San Fernando Valley	70069	069	365	4	2.8	365	0.116	0.096	0.088	0	0	6	13	13	19	363	0.09	0.0289	365	0.01	0.003	0.0010
8	West San Gabriel Valley	70088	088	365	3	2.3	365	0.149	0.100	0.089	0	3	6	11	13	21	365	0.09	0.0246	--	--	--	--
9	East San Gabriel Valley 1	70060	060	365	3	1.8	365	0.158	0.112	0.096	1	3	13	20	22	28	365	0.12	0.0253	--	--	--	--
9	East San Gabriel Valley 2	70591	591	365	2	2.0	364	0.147	0.116	0.104	0	3	14	26	25	40	365	0.11	0.0227	--	--	--	--
10	Pomona/Walnut Valley	70075	075	365	3	2.0	365	0.153	0.108	0.102	1	2	10	18	19	25	365	0.10	0.0318	--	--	--	--
11	South San Gabriel Valley	70185	085	365	5	2.9	364	0.135	0.100	0.079	0	2	2	5	6	9	361	0.11	0.0249	--	--	--	--
12	South Central LA County	70084	084	365	8	5.1	365	0.102	0.077	0.056	0	0	0	1	1	2	365	0.10	0.0291	--	--	--	--
13	Santa Clarita Valley	70090	090	361	2	1.2	357	0.135	0.110	0.101	0	2	16	44	31	64	339*	0.08	0.0196	--	--	--	--
<b>ORANGE COUNTY</b>																							
16	North Orange County	30177	3177	360	6	2.9	365	0.152	0.107	0.082	1	1	2	8	7	9	365	0.08	0.0219	--	--	--	--
17	Central Orange County	30178	3176	346*	4	2.9	365	0.127	0.099	0.073	0	1	1	1	2	7	359	0.10	0.0208	--	--	--	--
18	North Coastal Orange County	30195	3195	362	5	3.1	362	0.082	0.072	0.065	0	0	0	0	0	2	362	0.07	0.0132	358	0.01	0.004	0.0010
19	Saddleback Valley	30002	3812	364	3	2.2	365	0.108	0.089	0.080	0	0	2	5	5	10	--	--	--	--	--	--	--
<b>RIVERSIDE COUNTY</b>																							
22	Norco/Corona	33155	4155	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
23	Metropolitan Riverside County 1	33144	4144	364	4	2.9	365	0.131	0.111	0.099	0	2	15	46	31	69	364	0.07	0.0206	323*	0.02	0.002	0.0017
23	Metropolitan Riverside County 2	33146	4146	365	4	2.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
23	Mira Loma	33165	5214	359	3	2.1	360	0.118	0.104	0.092	0	0	10	23	16	48	349*	0.07	0.0181	--	--	--	--
24	Perris Valley	33149	4149	--	--	--	365	0.139	0.116	0.103	0	4	37	73	66	88	--	--	--	--	--	--	--
25	Lake Elsinore	33158	4158	365	2	1.4	359	0.130	0.108	0.097	0	3	19	35	26	55	358	0.06	0.0174	--	--	--	--
29	Banning Airport	33164	4164	--	--	--	365	0.129	0.113	0.095	0	1	12	43	28	63	363	0.08	0.0147	--	--	--	--
30	Coachella Valley 1**	33137	4137	365	2	0.8	365	0.126	0.101	0.097	0	1	20	58	29	83	365	0.06	0.0103	--	--	--	--
30	Coachella Valley 2**	33155	4157	--	--	--	365	0.106	0.094	0.087	0	0	6	29	8	48	--	--	--	--	--	--	--
<b>SAN BERNARDINO COUNTY</b>																							
32	Northwest San Bernardino Valley	36175	5175	365	2	1.7	365	0.145	0.115	0.112	0	7	18	35	32	55	327*	0.10	0.0276	--	--	--	--
33	Southwest San Bernardino Valley	36025	5817	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
34	Central San Bernardino Valley 1	36197	5197	359	3	1.8	359	0.144	0.122	0.112	0	9	19	43	40	60	358	0.09	0.0239	359	0.01	0.004	0.0019
34	Central San Bernardino Valley 2	36203	5203	365	4	2.3	365	0.153	0.121	0.117	1	8	24	51	48	74	351	0.08	0.0245	--	--	--	--
35	East San Bernardino Valley	36204	5204	--	--	--	365	0.149	0.124	0.112	0	7	25	58	54	79	--	--	--	--	--	--	--
37	Central San Bernardino Mountains	36181	5181	--	--	--	365	0.171	0.137	0.126	4	13	59	93	67	115	--	--	--	--	--	--	--
38	East San Bernardino Mountains	36001	5818	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>DISTRICT MAXIMUM</b>				8	5.1		0.171	0.137	0.126	4	13	59	93	67	115		0.12	0.0318		0.11	0.011	0.0028	
<b>SOUTH COAST AIR BASIN</b>				8	5.1		0.171	0.137	0.126	5	18	79	108	96	128		0.12	0.0318		0.11	0.011	0.0028	

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 8-hour standard (8-hour average CO > 9 ppm) and state 8-hour standard (8-hour average CO > 9.0 ppm) were not exceeded. The federal and state 1-hour standards (35 ppm and 20 ppm) were not exceeded, either.
- b) - The federal 1-hour ozone standard was revoked and replaced by the 8-hour average ozone standard effective June 15, 2005. U.S. EPA has revised the federal 8-hour ozone standard from 0.084 ppm to 0.075 ppm, effective May 27, 2008.
- c) - The 8-hour average California ozone standard of 0.070 ppm was established effective May 17, 2006.
- d) - The federal standard is annual arithmetic mean NO<sub>2</sub> > 0.0534 ppm. California Air Resources Board has revised the NO<sub>2</sub> 1-hour state standard from 0.25 ppm to 0.18 ppm and has established a new annual standard of 0.030 ppm, effective March 20, 2008.
- e) - The state standards are 1-hour average SO<sub>2</sub> > 0.25 ppm and 24-hour average SO<sub>2</sub> > 0.04 ppm. The federal standards are annual arithmetic mean SO<sub>2</sub> > 0.03 ppm, 24-hour average > 0.14 ppm, and 3-hour average > 0.50 ppm. The federal and state SO<sub>2</sub> standards were not exceeded.



**South Coast  
Air Quality Management District**  
21865 Copley Drive  
Diamond Bar, CA 91765-4182  
www.aqmd.gov

The map showing the locations of source/receptor areas can be accessed via the Internet at <http://www.aqmd.gov/telemweb/areamap.aspx>. 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.

**2007 AIR QUALITY  
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

**2007**

Source/Receptor Area No. Location	Station No.		Suspended Particulates PM10 <sup>f)</sup>					Fine Particulates PM2.5 <sup>g)</sup>					Particulates <sup>h)</sup>		Lead <sup>h)</sup>		Sulfate <sup>h)</sup>				
	State Code	District Code	No. Days of Data	Max. Conc. in µg/m <sup>3</sup> 24-hour	No. (%) Samples Exceeding Standards		Annual Average Conc. <sup>i)</sup> µg/m <sup>3</sup>	No. Days of Data	Max. Conc. in µg/m <sup>3</sup> 24-hour	98 <sup>th</sup> Percentile Conc. in µg/m <sup>3</sup> 24-hour	No. (%) Samples Exceeding Standards		Annual Average Conc. <sup>k)</sup> µg/m <sup>3</sup>	No. Days of Data	Max. Conc. in µg/m <sup>3</sup> 24-hour	Annual Average Conc. (AAM) µg/m <sup>3</sup>	Max. Monthly Average Conc. <sup>l)</sup> µg/m <sup>3</sup>	Max. Quarterly Average Conc. <sup>l)</sup> µg/m <sup>3</sup>	Max. Conc. in µg/m <sup>3</sup> 24-hour	%Samples Exceeding State Standard ≥ 25 µg/m <sup>3</sup> 24-hour	
	Federal > 150 µg/m <sup>3</sup> 24-hour	State > 50 µg/m <sup>3</sup> 24-hour			Current > 35 <sup>j)</sup> µg/m <sup>3</sup> 24-hour	Old > 65 <sup>j)</sup> µg/m <sup>3</sup> 24-hour															
<b>LOS ANGELES COUNTY</b>																					
1	Central LA	70087	087	56	78	0	5(9)	33.3	324	64.2	51.2	20(0.6)	0	16.8	58	194	73.5	0.04	0.03	10.5	0
2	Northwest Coastal LA County	70091	091	--	--	--	--	--	--	--	--	--	--	57	180	57.6	--	--	9.7	0	
3	Southwest Coastal LA County	70111	820	56	96	0	2(4)	27.7	--	--	--	--	--	55	286	51.8	0.02	0.01	10.5	0	
4	South Coastal LA County 1	70072	072	57	75+	0+	5(9)+	30.2+	332	82.9	40.8	12(3.6)	1(0.3)	14.6	59	732	76.5	0.02	0.01	11.1	0
4	South Coastal LA County 2	70110	077	56	123+	0+	17(30)+	41.7+	326	68.0	33.7	6(1.8)	1(0.3)	13.7	58	694	79.4	0.02	0.01	11.7	0
6	West San Fernando Valley	70074	074	--	--	--	--	--	95	43.3	33.4	1(1.1)	0	13.1	--	--	--	--	--	--	
7	East San Fernando Valley	70069	069	54	109	0	11(20)	40.0	98	56.5	47.7	9(9.2)	0	16.8	--	--	--	--	--	--	
8	West San Gabriel Valley	70088	088	--	--	--	--	--	108	68.9	45.4	3(2.8)	1(0.9)	14.3	56	123	46.3	--	--	22.4	0
9	East San Gabriel Valley 1	70060	060	55	83+	0+	11(20)+	35.6+	292*	63.8	49.3	19(6.5)	0	15.9	58	243	77.8	--	--	37.0++	1(1.7)++
9	East San Gabriel Valley 2	70591	591	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10	Pomona/Walnut Valley	70075	075	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
11	South San Gabriel Valley	70185	085	--	--	--	--	--	101	63.6	49.5	5(5.0)	0	16.7	55	196	76.0	0.05	0.02	25.4++	1(1.7)++
12	South Central LA County	70084	084	--	--	--	--	--	106	49.0	46.1	4(3.8)	0	15.9	59	327	78.8	0.03	0.02	12.5	0
13	Santa Clarita Valley	70090	090	57	131+	0+	5(9)+	29.9+	--	--	--	--	--	--	--	--	--	--	--	--	
<b>ORANGE COUNTY</b>																					
16	North Orange County	30177	3177	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
17	Central Orange County	30178	3176	58	75+	0+	5(9)+	31.0+	336	79.4	46.5	14(4.2)	1(0.3)	14.5	--	--	--	--	--	--	
18	North Coastal Orange County	30195	3195	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
19	Saddleback Valley	30002	3812	57	74	0	3(5)	23.0	98	46.9	35.0	2(2.0)	0	11.3	--	--	--	--	--	--	
<b>RIVERSIDE COUNTY</b>																					
22	Norco/Corona	33155	4155	58	93+	0+	10(17)+	39.6+	--	--	--	--	--	--	--	--	--	--	--	--	
22	Metropolitan Riverside County 1	33144	4144	116	118+	0+	66(57)+	54.6+	295*	75.7	54.3	33(11.2)	3(1.0)	19.1	57	237	111.0	0.02	0.01	13.0	0
23	Metropolitan Riverside County 2	33146	4146	--	--	--	--	--	101	68.6	57.3	8(7.9)	1(1.0)	18.1	60	674	88.9	0.02	0.01	9.3	0
23	Mira Loma	33165	5214	56	142	0	41(73)	68.5	110	69.7	60.1	13(11.8)	1(0.9)	21.0	--	--	--	--	--	--	
24	Perris Valley	33149	4149	57	120+	0+	32(56)+	54.8+	--	--	--	--	--	--	--	--	--	--	--	--	
25	Lake Elsinore	33158	4158	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
29	Banning Airport	33164	4164	48*	78	0	7(15)	33.3	--	--	--	--	--	--	--	--	--	--	--	--	
30	Coachella Valley 1**	33137	4137	54	83	0	6(11)	30.5	104	32.5	20.5	0	0	8.7	--	--	--	--	--	--	
30	Coachella Valley 2**	33155	4157	84*	146+	0+	51(61)+	53.5+	97	26.8	26.5	0	0	9.8	--	--	--	--	--	--	
<b>SAN BERNARDINO COUNTY</b>																					
32	Northwest San Bernardino Valley	36175	5175	--	--	--	--	--	--	--	--	--	--	--	60	206	63.5	0.02	0.01	7.6	0
33	Southwest San Bernardino Valley	36025	5817	58	115+	0+	14(24)+	43.4+	102	72.8	53.0	6(5.9)	1(1.0)	17.9	--	--	--	--	--	--	
34	Central San Bernardino Valley 1	36197	5197	56	111+	0+	33(59)+	54.9+	107	77.5	64.9	10(9.3)	2(1.9)	19.0	58	242	96.2	--	--	20.3	0
34	Central San Bernardino Valley 2	36203	5203	57	136+	0+	28(49)+	51.4+	99	72.1	68.4	11(11.1)	3(3.0)	18.3	59	536	106.9	0.04	0.02	13.6	0
35	East San Bernardino Valley	36204	5204	60	97	0	19(32)	39.7	--	--	--	--	--	--	--	--	--	--	--	--	
37	Central San Bernardino Mountains	36181	5181	54	89	0	2(4)	27.2	--	--	--	--	--	--	--	--	--	--	--	--	
38	East San Bernardino Mountains	36001	5818	--	--	--	--	--	54	45.4	34.0	1(1.9)	0	10.4	--	--	--	--	--	--	
<b>DISTRICT MAXIMUM</b>				146+	0+	66+	68.5+		82.9	68.4	33	3	21.0		732	111.0	0.05	0.03	37.0	1++	
<b>SOUTH COAST AIR BASIN</b>				142+	0+	79+	68.5+		82.9	68.4	48	8	21.0		732	111.0	0.05	0.03	37.0	1++	

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

AAM = Annual Arithmetic Mean

-- - Pollutant not monitored.

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

\*\* Salton Sea Air Basin.

f) - PM10 samples were collected every 6 days at all sites except for Station Numbers 4144 and 4157 where samples were collected every 3 days.

g) - PM2.5 samples were collected every 3 days at all sites except for the following sites: Station Numbers 060, 072, 077, 087, 3176, and 4144 where samples were taken every day, and Station Number 5818 where samples were taken every 6 days.

h) - 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.

i) - Federal annual PM10 standard (AAM > 50 µg/m<sup>3</sup>) was revoked effective December 17, 2006. State standard is annual average (AAM) > 20 µg/m<sup>3</sup>.

j) - U.S. EPA has revised the federal 24-hour PM2.5 standard from 65 µg/m<sup>3</sup> to 35 µg/m<sup>3</sup>; effective December 17, 2006.

k) - Federal PM2.5 standard is annual average (AAM) > 15 µg/m<sup>3</sup>. State standard is annual average (AAM) > 12 µg/m<sup>3</sup>.

l) - 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>.

+ - The following PM10 data samples were excluded from compliance consideration in accordance with the EPA Exceptional Event Regulation: 210 and 157 µg/m<sup>3</sup> on March 22 and April 6, respectively, at Coachella Valley 2 (high wind events); 167 µg/m<sup>3</sup> on April 12 at Perris Valley (high wind event); 165 and 155 µg/m<sup>3</sup> on July 5 at East San Gabriel 1 and Central San Bernardino Valley 1, respectively (fireworks displays); and high concentrations throughout the District on October 21, with a maximum concentration of 559 µg/m<sup>3</sup> at Metropolitan Riverside County 1 (high wind and wildfire event).

++ - High sulfate concentrations were recorded on July 5, 2008, due to the 4<sup>th</sup> of July firework activities.



Printed on  
Recycled  
Paper