

1989 AIR QUALITY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Source/ Receptor Area No.	Location of Air Monitoring Station	Carbon Monoxide						Ozone			Nitrogen Dioxide				Sulfur Dioxide					Visibility		
		Max. Conc. in PPM 1-Hour	Max. Conc. in PPM 8-Hour	No. Days Standard Exceeded				Max. Conc. in PPM 1-Hour	No. Days Standard Exceeded		Max. Conc. in PPM 1-Hour	Average Compared to Federal Standard ^{a)}		No. Days Std. Exc'd. > .25 PPM 1-Hour	Max. Conc. in PPM 1-Hour	Max. Conc. in PPM 24-hour	Average Compared to Federal Standard ^{b)}		No. Days Std. Exc'd. ^{c)}		Location	Days not Meeting State Std. ^{e)}
				≥ 9.5 PPM 8-Hr.	> 35 PPM 1-Hr.	≥ 9.1 PPM 8-Hr.	> 20 PPM 1-Hr.		Federal	State		Standard ^{a)}	% Above Std.				Standard ^{b)}	Federal	State			
1	Los Angeles	14*	9.8*	2*	0*	2*	0*	.25	34	76	.28	.0553	3.3	1	.03	.014	.0022	0	0	Burbank Airport	214	
2	W. Los Angeles	12	8.0	0	0	0	0	.25	15	65	.22	.0315	0	0	.02	.012	.0024	0	0			
3	Hawthorne	23	16.4	25	0	28	2	.19	3	11	.24	.0374	0	0	.09	.019	.0047	0	0	Los Angeles International	150	
4	Long Beach	13	10.1	2	0	2	0	.16	3	10	.27	.0428	0	1	.11	.022	.0046	0	0			
5	Whittier	13	8.8	0	0	0	0	.26	37	70	.29	.0444	0	1	.04	.016	.0036	0	0			
6	Reseda	17	12.5	11	0	15	0	.23	54	120	.18	.0390	0	0	.02	.011	.0018	0	0	Long Beach Airport	210	
7	Burbank	20	13.9	18	0	21	0	.20	40	97	.25	.0507	0	0	.03	.012	.0020	0	0			
8	Pasadena	14	8.4	0	0	0	0	.27	80	140	.34	.0531	0	2	.02	.010	.0022	0	0			
9	Azusa	7	5.8	0	0	0	0	.33	112	164	.27	.0511	0	2	.02	.010	.0017	0	0	William J. Fox Airport	2	
9	Glendora	NM	NM	NM	NM	NM	NM	.34	121	171	.22	.0389	0	0	NM	NM	NM	NM	NM			
10	Pomona	12	7.4	0	0	0	0	.25	61	117	.26	.0571	6.7	1	NM	NM	NM	NM	NM	(Lancaster)		
11	Pico Rivera	13	10.7	1	0	2	0	.26	61	108	.31	.0547	2.2	2	.04	.022	.0045	0	0			
12	Lynwood	31	21.8	55	0	61	16	.14	7	30	.34	.0459	0	2	.04	.016	.0042	0	0			
13	Santa Clarita	12*	5.4*	0*	0*	0*	0*	.25	71	122	.13*	.0368*	0*	0*	.02*	.007*	.0009*	0*	0*			
14	Lancaster	13	7.1	0	0	0	0	.21	27	95	.08	.0186	0	0	NM	NM	NM	NM	NM			
16	La Habra	24	10.7	6	0	7	7	.26	36	76	.23	.0428	0	0	.03	.011	.0021	0	0			
17	Anaheim	19	12.1	5	0	5	0	.24	13	42	.28	.0472	0	1	.03	.014	.0031	0	0			
17	Los Alamitos	NM	NM	NM	NM	NM	NM	.16	11	35	NM	NM	NM	NM	.07	.014	.0027	0	0			
18	Costa Mesa ^{f)}	16*	12.7*	5*	0*	8*	0*	.11*	0*	2*	.22*	.0463*	0*	0*	.03*	.006*	.0015*	0*	0*			
19	El Toro	9	5.1	0	0	0	0	.23	7	30	NM	NM	NM	NM	NM	NM	NM	NM	NM			
22	Norco	NM	NM	NM	NM	NM	NM	.23	56	114	NM	NM	NM	NM	NM	NM	NM	NM	NM	March Field (Riverside)	205	
23	Rubidoux	12	10.3	1	0	1	0	.27	113	172	.16	.0364	0	0	.02	.008	.0007	0	0			
23	Riverside	14	8.5	0	0	0	0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM			
24	Perris	NM	NM	NM	NM	NM	NM	.21	78	147	.14	.0322	0	0	NM	NM	NM	NM	NM			
25	Lake Elsinore	NM	NM	NM	NM	NM	NM	.24	62	121	NM	NM	NM	NM	NM	NM	NM	NM	NM			
28	Hemet	NM	NM	NM	NM	NM	NM	.19	21	77	NM	NM	NM	NM	NM	NM	NM	NM	NM			
29	Banning	NM	NM	NM	NM	NM	NM	.23	60	112	NM	NM	NM	NM	NM	NM	NM	NM	NM			
30	Palm Springs	6	2.9	0	0	0	0	.19	37	108	.09	.0239	0	0	NM	NM	NM	NM	NM			
30	Indio	NM	NM	NM	NM	NM	NM	.16	16	76	NM	NM	NM	NM	NM	NM	NM	NM	NM			
32	Upland	8	5.4	0	0	0	0	.32	97	146	.20	.0448	0	0	.03	.008	.0014	0	0	Norton AFB (San Bernardino)	203	
33	Ontario	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM			
34	Fontana	7	5.8	0	0	0	0	.32	113	155	.18	.0363	0	0	.03	.006	.0005	0	0			
34	San Bernardino	11	8.1	0	0	0	0	.30	115	159	.18	.0409	0	0	.03	.006	.0006	0	0	Ontario Airport	265	
35	Redlands	NM	NM	NM	NM	NM	NM	.27	116	164	NM	NM	NM	NM	NM	NM	NM	NM	NM			
37	Crestline	NM	NM	NM	NM	NM	NM	.27	127	172	NM	NM	NM	NM	NM	NM	NM	NM	NM			

PPM - Parts by volume per million parts of air.

AAM - Annual Arithmetic Mean.

NM - Pollutant not monitored.

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

a) - The federal standard is annual arithmetic mean NO₂ greater than 0.0534 ppm.

b) - The federal standard is annual arithmetic mean SO₂ greater than 80 ug/m³ (.03 ppm). No location exceeded the standard in 1989.

c) - The other federal (3-hour average > 0.50 PPM; 0.03 PPM, AAM) and state (1-hour > 0.25 PPM) standards were also not exceeded.

d) - Twenty-four hour average SO₂ ≥ 0.05 PPM with 1-hour Ozone ≥ 0.10 PPM, or with 24-hour TSP ≥ 100 ug/m³.

e) - Visibility standard is less than 10 miles for hours with relative humidity less than 70%. Data received from FAA.

f) - Station closed March 12. New station opened November 1.



SOUTH COAST
AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive
El Monte, CA 91731

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Source/ Receptor Area No.	Location of Air Monitoring Station	Suspended Particulates PM10 ^{g)}						Particulates TSP ^{h)}			Lead ^{h)}				Sulfate ^{h)}	
		Number of Samples	Max. Conc. in ug/m ³ 24-hour	No. (%) Samples Exceeding Standard		Annual Averages ⁱ⁾		Number of Samples	Max. Conc. in ug/m ³ 24-Hour	AGM Conc. ug/m ³	Max. Mo. Conc. ug/m ³	Max. Qtrly. Conc. ug/m ³	Quarters/Months Exceeding Standard		Max. Conc. in ug/m ³ 24-Hour	State Standard ≥25 ug/m ³ 24-Hour
				>150 ug/m ³ 24-Hour	>50 ug/m ³ 24-Hour	AAM Conc. ug/m ³	AGM Conc. ug/m ³						Federal >1.5 ug/m ³ Qtrly Avg.	State ≥1.5 ug/m ³ Mo. Avg.		
1	Los Angeles	58	137	0	33 (56.9)	61.1	56.0	61	217	107.4	0.17	0.12	0	0	23.0	0
2	W. Los Angeles	NM	NM	NM	NM	NM	NM	54	126	61.5	NM	NM	NM	NM	19.6	0
3	Hawthorne	55	133	0	24 (43.6)	49.7	44.9	60	370	80.3	0.13	0.07	0	0	22.6	0
4	Long Beach	59	119	0	26 (44.1)	50.5	46.5	61	195	82.3	0.11	0.08	0	0	20.0	0
5	Whittier	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
6	Reseda	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
7	Burbank	58	133	0	40 (68.9)	64.7	59.6	56	183	92.1	0.20	0.10	0	0	22.1	0
8	Pasadena	NM	NM	NM	NM	NM	NM	57	190	80.8	NM	NM	NM	NM	18.0	0
9	Azusa	59	172	1 (1.7)	35 (59.3)	60.7	54.1	57	341	110.9	NM	NM	NM	NM	16.9	0
9	Glendora	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10	Pomona	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11	Pico Rivera	NM	NM	NM	NM	NM	NM	57	206	95.4	0.19	0.12	0	0	32.0	1 (1.8)
12	Lynwood	NM	NM	NM	NM	NM	NM	56	239	105.9	0.15	0.11	0	0	19.6	0
13	Santa Clarita	48	100	0	23 (47.9)	53.5	48.8	NM	NM	NM	NM	NM	NM	NM	NM	NM
14	Lancaster	56	110	0	25 (44.6)	47.0	43.0	60	154	72.6	NM	NM	NM	NM	17.0	0
16	La Habra	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
17	Anaheim	NM	NM	NM	NM	NM	NM	61	264	87.4	0.15	0.08	0	0	17.7	0
17	Los Alamitos	55	138	0	21 (38.2)	46.2	42.0	61	251	90.1	NM	NM	NM	NM	17.4	0
18	Costa Mesa	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
19	El Toro	60	88	0	20 (33.3)	41.7	38.1	61	208	89.1	NM	NM	NM	NM	16.5	0
22	Morco	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
23	Rubidoux	61	252	7 (11.5)	51 (83.6)	94.3	81.3	61	347	132.2	0.07	0.05	0	0	16.9	0
23	Riverside	NM	NM	NM	NM	NM	NM	59	277	114.7	0.07	0.06	0	0	16.6	0
24	Perris	59	187	1 (1.7)	39 (66.1)	61.4	52.2	58	303	98.4	NM	NM	NM	NM	15.9	0
25	Lake Elsinore	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
28	Hemet	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
29	Banning	60	194	2 (3.3)	20 (33.3)	47.2	37.1	60	464	75.1	NM	NM	NM	NM	13.8	0
30	Palm Springs	60	292	2 (3.3)	17 (28.3)	44.6	35.8	61	768	69.6	NM	NM	NM	NM	12.1	0
30	Indio	58	712	4 (6.9)	39 (67.2)	90.3	66.4	60	1465	136.5	NM	NM	NM	NM	18.3	0
32	Upland	NM	NM	NM	NM	NM	NM	58	292	98.7	0.11	0.08	0	0	13.9	0
33	Ontario	61	254	4 (6.6)	49 (80.3)	79.0	69.7	57	349	116.2	NM	NM	NM	NM	16.4	0
34	Fontana	61	227	2 (3.3)	47 (77.0)	77.1	68.5	61	333	128.6	NM	NM	NM	NM	14.9	0
34	San Bernardino	59	271	3 (5.1)	44 (74.6)	80.5	69.2	60	327	119.4	0.09	0.07	0	0	17.8	0
35	Redlands	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
37	Crestline	59	87	0	13 (22.0)	39.1	34.9	61	160	58.2	NM	NM	NM	NM	10.2	0

ug/m³ - Micrograms per cubic meter of air.

AGM - Annual Geometric Mean.

g) - PM10 suspended particulates samples were collected every 6 days using the size-selective inlet high volume sampler with quartz filter media (PM10 refers to fine particles with aerodynamic diameter of 10 micrometers or less).

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. Federal TSP standard superceded by PM10 standard, July 1, 1987.

i) - Federal PM10 standard is AAM > 50 ug/m³; state standard is AGM > 30 ug/m³.