

2015 AIR QUALITY
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

2015		Carbon Monoxide a)			Ozone b)										Nitrogen Dioxide c)				Sulfur Dioxide d)					
		Source/Receptor Area No.	Location	Station No.	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	Old Federal > 0.124 ppm 1-hour	Current Federal > 0.070 ppm 8-hour	2008 Federal > 0.075 ppm 8-hour	1997 Federal > 0.084 ppm 8-hour	Current State > 0.09 ppm 1-hour	Current State > 0.070 ppm 8-hour	No. Days of Data	Max. Conc. in ppb 1-hour	98 th Percentile Conc. ppb 1-hour	Annual Average AAM Conc. ppb	No. Days of Data	Max. Conc. in ppb 1-hour	99 th Percentile Conc. ppb 1-hour
LOS ANGELES COUNTY																								
1	Central LA	087	365	3.2	1.8	365	0.104	0.074	0.072	0	6	0	0	2	6	358	79.1	62.4	22.2	296*	12.6	6.3		
2	Northwest Coastal LA County	091	365	1.6	1.4	353	0.102	0.072	0.069	0	2	0	0	2	3	358	67.6	49.4	11.7	--	--	--		
3	Southwest Coastal LA County	820	357	1.7	1.4	365	0.096	0.077	0.069	0	3	1	0	1	3	358	87.0	58.1	10.9	358	14.9	6.8		
4	South Coastal LA County 1	072	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
4	South Coastal LA County 2	077	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
4	South Coastal LA County 3	033	364	3.3	2.2	350	0.087	0.066	0.056	0	0	0	0	0	0	346	101.8	64.4	19.8	296*	37.5	11.8		
4	I-710 Near Road#	032	--	--	--	--	--	--	--	--	--	--	--	--	--	255*	94.7	74.8	23.9	--	--	--		
6	West San Fernando Valley	074	365	3.0	2.5	365	0.119	0.094	0.087	0	32	15	4	11	34	347	72.5	51.7	13.5	--	--	--		
8	West San Gabriel Valley	088	365	2.6	1.6	361	0.111	0.084	0.082	0	18	7	0	12	18	358	74.9	55.9	15.3	--	--	--		
9	East San Gabriel Valley 1	060	352	2.1	1.3	352	0.122	0.096	0.088	0	27	17	7	21	28	344	71.0	58.5	15.4	--	--	--		
9	East San Gabriel Valley 2	591	363	1.2	1.0	362	0.127	0.102	0.095	2	48	34	11	37	51	358	66.2	52.6	11.2	--	--	--		
10	Pomona/Walnut Valley	075	346	1.8	1.6	347	0.136	0.098	0.094	2	53	36	14	30	55	340	72.3	60.3	21.2	--	--	--		
11	South San Gabriel Valley	085	365	2.8	1.7	346	0.107	0.081	0.075	0	11	2	0	6	11	339	70.4	61.6	20.5	--	--	--		
12	South Central LA County	112	363	4.4	3.3	351	0.091	0.072	0.065	0	1	0	0	0	1	356	73.6	58.7	16.9	--	--	--		
13	Santa Clarita Valley	090	359	1.2	0.9	358	0.126	0.108	0.091	1	52	37	15	23	55	353	64.6	43.5	11.8	--	--	--		
ORANGE COUNTY																								
16	North Orange County	3177	365	3.0	1.6	365	0.103	0.082	0.073	0	7	2	0	4	8	328	58.0	50.8	15.0	--	--	--		
17	Central Orange County	3176	365	3.1	2.2	365	0.100	0.080	0.065	0	1	1	0	1	1	358	59.1	54.6	14.6	--	--	--		
17	I-5 Near Road#	3131	365	3.1	2.3	--	--	--	--	--	--	--	--	--	--	364	70.2	61.4	25.4	--	--	--		
18	North Coastal Orange County	3195	365	3.0	2.2	364	0.099	0.079	0.068	0	2	1	0	1	2	350	52.4	47.9	11.6	352	4.5	3.1		
19	Saddleback Valley	3812	364	1.4	0.7	358	0.099	0.088	0.075	0	8	3	2	2	8	--	--	--	--	--	--	--		
RIVERSIDE COUNTY																								
22	Corona/Norco Area	4155	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
23	Metropolitan Riverside County 1	4144	364	2.5	1.7	361	0.132	0.105	0.096	1	55	39	17	31	59	354	57.4	52.3	14.4	363	1.9	1.6		
23	Metropolitan Riverside County 3	4165	362	2.3	1.6	356	0.127	0.104	0.093	1	51	36	20	29	51	355	68.1	49.2	13.4	--	--	--		
24	Perris Valley	4149	--	--	--	365	0.124	0.102	0.094	0	49	31	12	25	50	--	--	--	--	--	--	--		
25	Elsinore Valley	4158	364	0.8	0.6	362	0.131	0.098	0.093	1	31	19	12	18	35	350	47.2	38.8	8.7	--	--	--		
26	Temecula Valley	4031	--	--	--	365	0.100	0.087	0.079	0	20	6	1	1	23	--	--	--	--	--	--	--		
29	San Gorgonio Pass	4164	--	--	--	359	0.124	0.097	0.091	0	46	25	11	16	49	358	49.6	44.3	8.4	--	--	--		
30	Coachella Valley 1**	4137	365	2.0	0.7	365	0.102	0.092	0.086	0	47	26	5	3	51	358	41.5	37.7	6.2	--	--	--		
30	Coachella Valley 2**	4157	--	--	--	287*	0.093	0.085	0.079	0	11	4	1	0	12	--	--	--	--	--	--	--		
30	Coachella Valley 3**	4032	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SAN BERNARDINO COUNTY																								
32	Northwest San Bernardino Valley	5175	364	2.1	1.3	364	0.136	0.106	0.101	2	66	53	27	49	69	352	71.6	55.7	15.9	--	--	--		
33	I-10 Near Road#	5035	365	2.7	2.6	--	--	--	--	--	--	--	--	--	--	360	87.2	73.0	29.9	--	--	--		
33	CA-60 Near Road#	5036	--	--	--	--	--	--	--	--	--	--	--	--	--	153*	79.2	77.2	35.6	--	--	--		
34	Central San Bernardino Valley 1	5197	358	2.8	1.2	358	0.133	0.111	0.100	3	57	39	20	36	59	351	89.1	66.1	18.7	352	4.0	3.1		
34	Central San Bernardino Valley 2	5203	362	2.3	1.8	356	0.134	0.117	0.105	6	78	57	29	52	79	355	71.4	52.7	15.2	--	--	--		
35	East San Bernardino Valley	5204	--	--	--	329	0.137	0.115	0.102	2	76	54	30	44	77	--	--	--	--	--	--	--		
37	Central San Bernardino Mountains	5181	--	--	--	365	0.144	0.127	0.107	3	86	61	30	46	86	--	--	--	--	--	--	--		
38	East San Bernardino Mountains	5818	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
DISTRICT MAXIMUM						4.4	3.3		0.144	0.127	0.107	6	86	61	30	52	86		101.8	77.2	35.6		37.5	11.8
SOUTH COAST AIR BASIN						4.4	3.3		0.144	0.127	0.107	10	113	81	47	71	115		101.8	77.2	35.6		37.5	11.8

* Incomplete data.

** Salton Sea Air Basin

-- Pollutant not monitored

AAM – Annual Arithmetic Mean

a) The federal and state 8-hour CO standards (9 ppm and 9.0 ppm) and 1-hour CO standards (35 ppm and 20 ppm) were not exceeded.

b) The current (2015) O₃ federal standard was revised effective December 28, 2015.

c) The NO₂ federal 1-hour standard is 100 ppb and the annual standard is annual arithmetic mean NO₂ > 0.0534 ppm (53.4 ppb). The state 1-hour and annual standards are 0.18 ppm and 0.030 ppm.

d) The SO₂ federal 1-hour standard is 75 ppb (0.075 ppm). The state standards are 1-hour average SO₂ > 0.25 ppm (250 ppb) and 24-hour average SO₂ > 0.04 ppm (40 ppb).

Four near-road sites measuring one or more of the pollutants PM_{2.5}, CO and/or NO₂ are operating near the following freeways: I-5, I-10, CA-60 and I-710.



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

For information on the current standard levels and most recent revisions please refer to "Appendix II – Current Air Quality" of the "2016 AQMP" which can be accessed at <http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/appendix-ii.pdf?sfvrsn=4>. Maps showing the source/receptor area boundaries can be accessed via the Internet by entering your address in the AQMD Current Hourly Air Quality Map at <http://www2.aqmd.gov/webappl/gisq2/VEMap3D.aspx>. A printed map or copy of the AQMP Appendix II is also available free of charge from the AQMD Public Information Center at 1-800-CUT-SMOG.

2015 AIR QUALITY
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Source/Receptor Area No. Location		Station No.	Suspended Particulates PM10 ^{e)}					Fine Particulates PM2.5 ^{g)}					Lead ⁱ⁾		PM10 Sulfate ^{j)}	
			No. Days of Data	Max. Conc. in µg/m³	No. (%) Samples Exceeding Standards Federal > 150 µg/m³	No. (%) Samples Exceeding Standards State > 50 µg/m³	Annual. Average Conc. ^{f)} (AAM) µg/m³	No. Days of Data	Max. Conc. in µg/m³	98th Percentile Conc. in µg/m³	No. (%) Samples Exceeding Federal Std	Annual. Average Conc. ^{h)} (AAM) µg/m³	Max. Monthly Conc. µg/m³	Max. 3-Months Rolling Averages µg/m³	No. Days of Data	Max. Conc. in µg/m³
LOS ANGELES COUNTY																
1	Central LA	087	336	88	0	26(8%)	33.0	342	56.4	38.0	7(2.0%)	12.38	0.013	0.01	58	6.1
2	Northwest Coastal LA County	091	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3	Southwest Coastal LA County	820	57	42	0	0	21.2	--	--	--	--	--	0.008	0.01	57	6.5
4	South Coastal LA County 1	072	--	--	--	--	--	338	54.6	32.1	3(0.9%)	10.81	--	--	--	--
4	South Coastal LA County 2	077	58	62	0	2(3%)	26.5	347	48.3	31.2	4(1.2%)	10.26	0.010	0.01	58	6.3
4	South Coastal LA County 3	033	59	80	0	6(10%)	31.5	--	--	--	--	--	--	--	59	6.9
4	I-710 Near Road [#]	032	--	--	--	--	--	336*	48.8	35.7	7(2.0%)	12.89	--	--	--	--
6	West San Fernando Valley	074	--	--	--	--	--	113	36.8	28.4	1(0.9%)	8.84	--	--	--	--
8	West San Gabriel Valley	088	--	--	--	--	--	118 ⁺	48.5 ⁺	29.7 ⁺	1(0.8%) ⁺	9.57 ⁺	--	--	--	--
9	East San Gabriel Valley 1	060	59	101	0	12(20%)	37.1	119 ⁺	44.3 ⁺	28.0 ⁺	1(0.8%) ⁺	9.40 ⁺	--	--	59	21.0
9	East San Gabriel Valley 2	591	362	100	0	29(8%)	29.0	--	--	--	--	--	--	--	--	--
10	Pomona/Walnut Valley	075	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	South San Gabriel Valley	085	--	--	--	--	--	117 ⁺	52.7 ⁺	27.6 ⁺	2(1.7%) ⁺	11.14 ⁺	0.014	0.01	--	--
12	South Central LA County	112	--	--	--	--	--	111	41.3	37.2	3(2.7%)	11.78	0.014	0.01	--	--
13	Santa Clarita Valley	090	52	41	0	0	18.4	--	--	--	--	--	--	--	52	5.3
ORANGE COUNTY																
16	North Orange County	3177	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	Central Orange County	3176	364	66	0	11(3%)	24.8	295*	45.8	29.8	3(1.0%)	9.38	--	--	56	4.2
17	I-5 Near Road [#]	3131	--	--	--	--	--	--	--	--	--	--	--	--	56	4.2
18	North Coastal Orange County	3195	--	--	--	--	--	--	--	--	--	--	--	--	--	--
19	Saddleback Valley	3812	51*	49	0	0	19.0	115	31.5	15.1	0	7.05	--	--	51	3.3
RIVERSIDE COUNTY																
22	Corona/Norco Area	4155	44*	87	0	3(7%)	29.6	--	--	--	--	--	--	--	44*	3.8
23	Metropolitan Riverside County 1	4144	355	107	0	68(19%)	37.1	341	54.7	38.1	9(2.6%)	11.89	0.008	0.01	114	6.0
23	Metropolitan Riverside County 3	4165	358	131	0	162(45%)	48.8	343	56.6	43.2	17(5.0%)	13.34	--	--	102	4.9
24	Perris Valley	4149	57 ⁺	74 ⁺	0 ⁺	3(5%) ⁺	30.3 ⁺	--	--	--	--	--	--	--	58	3.6
25	Elsinore Valley	4158	356	90	0	5(1%)	18.7	--	--	--	--	--	--	--	--	--
26	Temecula Valley	4031	--	--	--	--	--	--	--	--	--	--	--	--	--	--
29	San Gorgonio Pass	4164	59	139	0	2(3%)	22.2	--	--	--	--	--	--	--	59	3.8
30	Coachella Valley 1**	4137	352 ⁺	115 ⁺	0 ⁺	4(1%) ⁺	18.8 ⁺	108*	22.7	17.1	0	5.76	--	--	57	4.6
30	Coachella Valley 2**	4157	264 ⁺⁺	145 ⁺	0 ⁺	34(13%) ⁺	36.1 ⁺	94*	24.6	19.7	0	7.54	--	--	97	4.1
30	Coachella Valley 3**	4032	360 ⁺	147 ⁺	0 ⁺	70(19%) ⁺	39.9 ⁺	--	--	--	--	--	--	--	--	--
SAN BERNARDINO COUNTY																
32	Northwest San Bernardino Valley	5175	336	77	0	12(4%)	26.9	--	--	--	--	--	0.010	0.01	--	--
33	I-10 Near Road [#]	5035	--	--	--	--	--	--	--	--	--	--	--	--	--	--
33	CA-60 Near Road [#]	5036	--	--	--	--	--	337	52.7	39.9	10(3.0%)	14.48	--	--	--	--
34	Central San Bernardino Valley 1	5197	55	96	0	13(24\$)	37.8	113 ⁺	47.3 ⁺	34.3 ⁺	2(1.8%) ⁺	10.70 ⁺	--	--	55	14.7
34	Central San Bernardino Valley 2	5203	357 ⁺	78 ⁺	0 ⁺	17(5%) ⁺	30.7 ⁺	110	53.5	33.6	2(1.8%)	10.74	0.012	0.01	58	9.0
35	East San Bernardino Valley	5204	59	95	0	2(3%)	24.7	--	--	--	--	--	--	--	59	7.3
37	Central San Bernardino Mountains	5181	58	41	0	0	16.0	--	--	--	--	--	--	--	58	4.2
38	East San Bernardino Mountains	5818	--	--	--	--	--	57 ⁺	39.4 ⁺	21.0 ⁺	1(1.7%)	7.03 ⁺	--	--	--	--
DISTRICT MAXIMUM				147 ⁺	0 ⁺	162 ⁺	48.8 ⁺		56.6 ⁺	43.2 ⁺	17 ⁺	14.48 ⁺	0.014 ⁺⁺	0.01 ⁺⁺		21.0
SOUTH COAST AIR BASIN				139 ⁺	0 ⁺	175 ⁺	48.8 ⁺		56.6 ⁺	43.2 ⁺	17 ⁺	14.48 ⁺	0.014 ⁺⁺	0.01 ⁺⁺		21.0

* Incomplete data due to the site improvement.

** Salton Sea Air Basin µg/m³ – Micrograms per cubic meter of air

AAM – Annual Arithmetic Mean

-- Pollutant not monitored

e) PM10 statistics listed above are based on combined Federal Reference Method (FRM) and Federal Equivalent Method (FEM) data.

f) State annual average (AAM) PM10 standard is > 20 µg/m³. Federal annual PM10 standard (AAM > 50 µg/m³) was revoked in 2006, statistics presented is for information only.

g) PM2.5 statistics listed above are for the FRM data only. FEM PM2.5 continuous monitoring instruments were operated at some of the above locations for real-time alerts and forecasting only.

h) Both Federal and State standards are annual average (AAM) > 12.0 µg/m³.

i) Federal lead standard is 3-months rolling average > 0.15 µg/m³; state standard is monthly average ≥ 1.5 µg/m³. Lead standards were not exceeded.

j) State sulfate standard is 24-hour ≥ 25 µg/m³. There is no federal standard for sulfate.

+ High PM10 (≥ 155 µg/m³) and PM2.5 data recorded due to high winds and Independence Day fireworks are excluded in accordance with the U.S. EPA Exceptional Event Rule.

++ Higher lead concentrations were recorded at near-source monitoring sites immediately downwind of stationary lead sources. Maximum monthly and 3-month rolling averages recorded were 0.048 µg/m³ and 0.05 µg/m³, respectively.

Four near-road sites measuring one or more of the pollutants PM2.5, CO and/or NO₂ are operating near the following freeways: I-5, I-10, CA-60 and I-710.

