

Air Quality Standards Compliance Report (AQSCR)

Statistics for March/April 2007

Vol. 20, No. 2

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This bimonthly publication satisfies the requirements for reporting on air quality in the South Coast Air Basin set by California legislation (Chapter 1301, Statutes of 1987; Health and Safety Code Section 40451(d)), and supplies similar information for the areas of the Salton Sea Air Basin (Coachella Valley) served by the District.

Subscription request forms for the AQSCR may be obtained by calling Subscription Services at (909) 396-3720.

March and April 2007 Air Quality

Air quality statistics for the South Coast Air Basin and the desert area of Coachella Valley in the Salton Sea Air Basin for the months of March and April are shown and summarized in the following tables.

Table 1 (below) summarizes the maximum concentrations recorded and location of the maximum during March-April 2007. Tables 2 and 3 summarize air quality statistics for the South Coast Air Basin and the desert area of Coachella Valley monitoring areas for the months of March and April. The tables show maximum concentrations of the pollutants in each source/receptor area and number of days on which the locations monitored exceeded federal and/or state standards during the months of March and April 2007. Figure 1 shows the location of the District's air monitoring stations in each source/receptor area.

Please refer to the January/February 2007 issue of the AQSCR for the updated current air quality standards table.

Table 1
Maximum Concentrations Reported in March/April 2007
Compared to the Ambient Air Quality Standards

Pollutant Averaging Time	Criteria Pollutants' Air Quality Standards		Maximum Concentrations			
	State	Federal	ppm/ µg/m ³	% State Standard	% Federal Standard	Location
Ozone						
1-Hour	> 0.09 ppm	> 0.12 ppm	0.11	116%	88%	Several Locations
8-Hour	> 0.07 ppm	> 0.08 ppm	0.096	128%	113%	Central San Bernardino Mountains
Particulate (PM2.5)						
24-Hour		> 35 µg/m ³	57.0	161%	161%	Mira Loma
Particulate (PM10)						
24-Hour	> 50 µg/m ³	> 150 µg/m ³	210	412%	139%	Coachella Valley
Carbon Monoxide						
8-Hour	> 9.0 ppm	> 9 ppm	2.86	31%	30%	South Central Los Angeles County
Nitrogen Dioxide						
1-Hour	> 0.18 ppm		0.12	63%		East San Gabriel Valley
Sulfur Dioxide						
1-Hour	> 0.25 ppm		0.02	8%		South Coastal Los Angeles County and Southwest Coastal Los Angeles County
24-Hour	> 0.04 ppm	> 0.14 ppm	0.008	20%	6%	Southwest Coastal Los Angeles County
Sulfates						
24-Hour	>= 25 µg/m ³		10.5	42%		Southwest Coastal Los Angeles County
Lead						
30-Day	>= 1.5 µg/m ³		0.02	1%		Several Locations



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

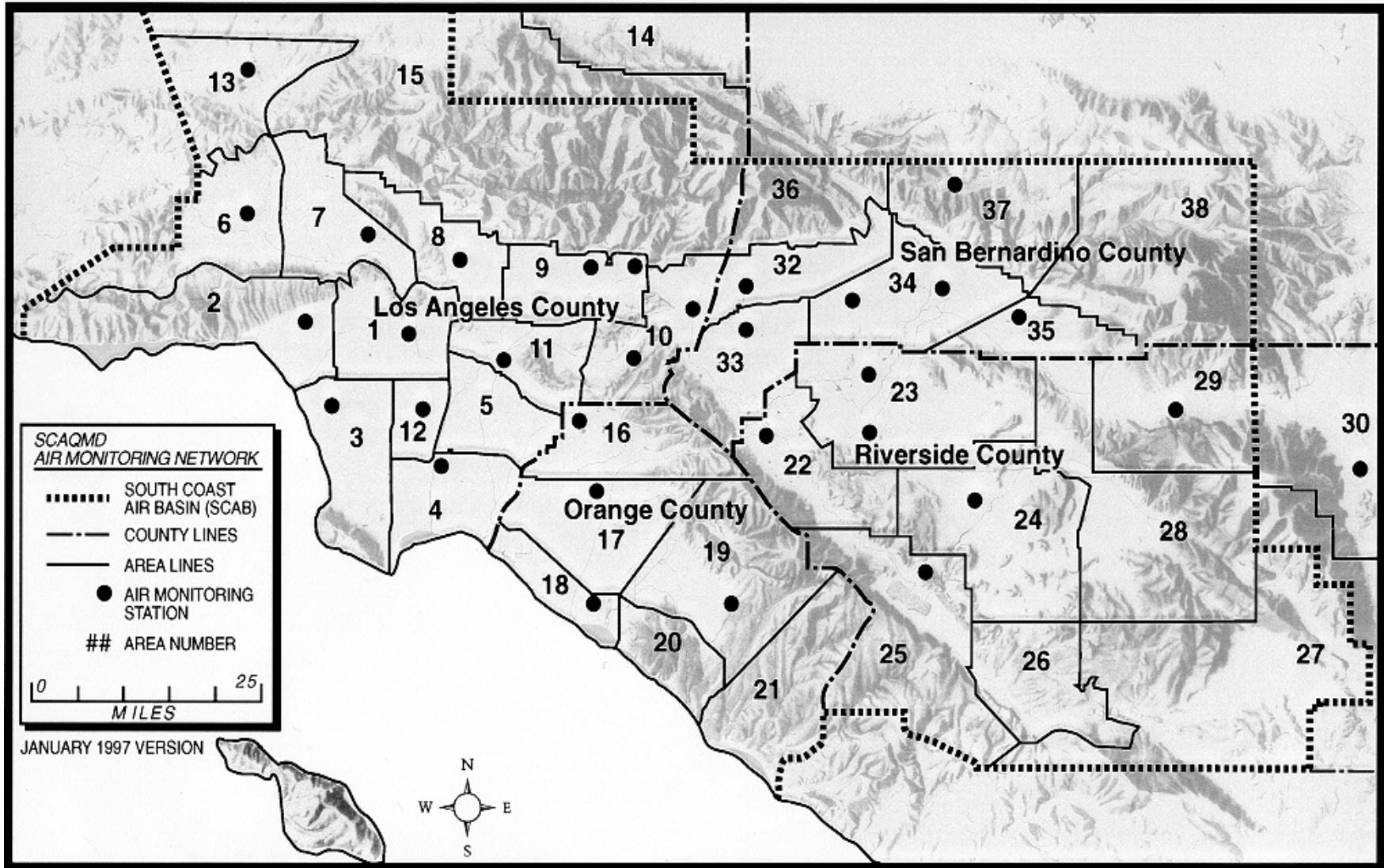


Figure 1
 South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert
 Air Basins and Monitoring Stations

Table 2
March 2007
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station Number		Ozone						Carbon Monoxide		Nitrogen Dioxide			Sulfur Dioxide		
				No. Days Exceeding						Days Exceeding State/ Federal Standard	Max 8-hour ppm	Days Exceeding State Standard ^{b)}			Max 24-hour ppm	Max 1-hour ppm	
		State Standard		Health Advisory	Federal Standard		Max 1-hour	Max 8-hour	1-hour > 0.18 ppm			1-hour > 0.25 ppm	Max 1-hour ppm				
District Code	State Code	1-hour	8-hour		1-hour ^{a)}	8-hour	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
LOS ANGELES COUNTY																	
1	Central LA	87	70087	0	0	0	0	0	0.06	0.051	0/0	2.00	0	0	0.08	0.001	0.00
2	Northwest Coastal LA County	91	70091	0	0	0	0	0	0.07	0.053	0/0	1.71	0	0	0.08		
3	Southwest Coastal LA County	820	70111	0	0	0	0	0	0.07	0.063	0/0	1.40	0	0	0.08	0.008	0.02
4	South Coastal LA County 1	72	70072	0	0	0	0	0	0.07	0.055	0/0	2.00	0	0	0.09	0.003	0.01
4	South Coastal LA County 2	77	70110														
6	West San Fernando Valley	74	70074	1	2	0	0	0	0.10	0.082	0/0	2.00	0	0	0.06		
7	East San Fernando Valley	69	70069	0	0	0	0	0	0.07	0.057	0/0	2.00	0	0	0.07	0.001	0.01
8	West San Gabriel Valley	88	70088	0	0	0	0	0	0.09	0.060	0/0	1.63	0	0	0.08		
9	East San Gabriel Valley 1	60	70060	0	0	0	0	0	0.08	0.061	0/0	1.43	0	0	0.12		
9	East San Gabriel Valley 2	591	70591	0	0	0	0	0	0.08	0.065	0/0	2.00	0	0	0.09		
10	Pomona/Walnut Valley	75	70075	0	0	0	0	0	0.08	0.058	0/0	1.86	0	0	0.10		
11	South San Gabriel Valley	85	70185	0	0	0	0	0	0.07	0.058	0/0	1.67	0	0	0.09		
12	South Central LA County	84	70084	0	0	0	0	0	0.06	0.048	0/0	2.86	0	0	0.07		
13	Santa Clarita Valley	90	70090	0	1	0	0	0	0.08	0.071	0/0	1.00	0	0	0.06		
ORANGE COUNTY																	
16	North Orange County	3177	30177	0	0	0	0	0	0.07	0.051	0/0	1.71	0	0	0.07		
17	Central Orange County	3178*	30178	0	0	0	0	0	0.07	0.053	0/0	1.86	0	0	0.08		
18	North Coastal Orange County	3195	30195	0	0	0	0	0	0.07	0.056	0/0	1.13	0	0	0.06	0.001	0.01
19	Saddleback Valley	3182*	30002	0	0	0	0	0	0.08	0.063	0/0	0.63					
RIVERSIDE COUNTY																	
22	Norco/Corona	4155	33155														
23	Metropolitan Riverside County 1	4144	33144	0	1	0	0	0	0.09	0.074	0/0	2.86	0	0	0.07	0.002	0.01
23	Metropolitan Riverside County 2	4146	33146								0/0	1.63					
23	Mira Loma	5214	33165	0	1	0	0	0	0.09	0.072	0/0	1.40	0	0	0.06		
24	Perris Valley	4149	33149	1	1	0	0	0	0.10	0.083							
25	Lake Elsinore	4158	33158	0	2	0	0	0	0.08	0.071	0/0	1.00	0	0	0.06		
29	Banning Airport	4164	33164	0	0	0	0	0	0.07	0.070			0	0	0.08		
30	Coachella Valley 1**	4137	33137	0	5	0	0	0	0.08	0.078	0/0	0.75	0	0	0.06		
30	Coachella Valley 2**	4157	33157	0	3	0	0	0	0.08	0.075							
SAN BERNARDINO COUNTY																	
32	Northwest San Bernardino Valley	5175	36175	0	0	0	0	0	0.09	0.066	0/0	1.43	0	0	0.10		
33	Southwest San Bernardino Valley	5817	36025														
34	Central San Bernardino Valley 1	5197	36197	0	1	0	0	0	0.09	0.071	0/0	1.57	0	0	0.09	0.003	0.01
34	Central San Bernardino Valley 2	5203	36203	0	0	0	0	0	0.08	0.070	0/0	1.29	0	0	0.07		
35	East San Bernardino Valley	5204	36204	0	1	0	0	0	0.09	0.077							
37	Central San Bernardino Mountains	5181	36181	0	4	0	0	0	0.08	0.080							
38	East San Bernardino Mountains	5818	36001														
District Maximum				1	5	0	0	0	0.10	0.083	0/0	2.86	0	0	0.12	0.008	0.02

a) The federal 1-hour ozone standard was revoked and replaced by the 8-hour average standard effective June 15, 2005. Data is provided for information.

b) California Air Resources Board has approved the proposal to lower the NO2 1-hour standard from 0.25 ppm to 0.18 ppm. The revision is expected to become effective in early 2008.

* Revised/corrected station number.

** Salton Sea Air Basin.

Table 2 (continued)
March 2007
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station Number		PM10				PM2.5			Lead		Sulfate		
				No. (%) Days Exceeding		Number Days Sampled	Max 24-hour Average µg/m3	Number Days Sampled	Number of Days Exceeding Federal Standard ^{c)}		Max 24-hour Average µg/m3	Number Days Sampled	Monthly Average µg/m3	Number Days Sampled	Max 24-hour Average µg/m3
		State Standard	Federal Standard	> 35 µg/m3	>65 µg/m3										
LOS ANGELES COUNTY															
1	Central LA	87	70087	0(0%)	0(0%)	5	38	29	3	0	51.3	5	0.02	5	6.6
2	Northwest Coastal LA County	91	70091											6	5.4
3	Southwest Coastal LA County	820	70111	0(0%)	0(0%)	5	30					6	0.01	6	7.2
4	South Coastal LA County 1	72	70072	0(0%)	0(0%)	4	33	28	2	0	42.5	5	0.01	6	9.5
4	South Coastal LA County 2	77	70110	2(40%)	0(0%)	5	51	24	1	0	41.0	6	0.01	6	9.1
6	West San Fernando Valley	74	70074					9	0	0	21.6				
7	East San Fernando Valley	69	70069	0(0%)	0(0%)	5	46	10	0	0	32.7				
8	West San Gabriel Valley	88	70088					10	0	0	31.4			6	4.9
9	East San Gabriel Valley 1	60	70060	0(0%)	0(0%)	6	36	20	3	0	44.0			6	4.9
9	East San Gabriel Valley 2	591	70591												
10	Pomona/Walnut Valley	75	70075												
11	South San Gabriel Valley	85	70185					10	1	0	49.5	4	0.01	4	8.5
12	South Central LA County	84	70084					10	1	0	49.0	5	0.01	5	7.6
13	Santa Clarita Valley	90	70090	0(0%)	0(0%)	6	36								
ORANGE COUNTY															
16	North Orange County	3177	30177												
17	Central Orange County	3178*	30178	0(0%)	0(0%)	6	33	27	2	0	48.9				
18	North Coastal Orange County	3195	30195												
19	Saddleback Valley	3182*	30002	0(0%)	0(0%)	4	19	3	0	0	34.4				
RIVERSIDE COUNTY															
22	Norco/Corona	4155	33155	1(17%)	0(0%)	6	73								
23	Metropolitan Riverside County 1	4144	33144	6(50%)	0(0%)	12	118	23	4	0	54.4	5	0.01	5	6.6
23	Metropolitan Riverside County 2	4146	33146					7	1	0	45.2	6	0.00	6	5.0
23	Mira Loma	5214	33165					11	2	0	57.0				
24	Perris Valley	4149	33149	3(50%)	0(0%)	6	70								
25	Lake Elsinore	4158	33158												
29	Banning Airport	4164	33164	0(0%)	0(0%)	6	38								
30	Coachella Valley 1**	4137	33137	0(0%)	0(0%)	5	32	6	0	0	20.6				
30	Coachella Valley 2**	4157	33157	8(73%)	1(9%)	11	210	10	0	0	11.1				
SAN BERNARDINO COUNTY															
32	Northwest San Bernardino Valley	5175	36175									6	0.01	6	6.0
33	Southwest San Bernardino Valley	5817	36025	0(0%)	0(0%)	6	49	8	1	0	47.7				
34	Central San Bernardino Valley 1	5197	36197	3(50%)	0(0%)	6	63	9	1	0	39.1			6	6.0
34	Central San Bernardino Valley 2	5203	36203	2(33%)	0(0%)	6	52	4	0	0	17.8	6	0.01	6	5.4
35	East San Bernardino Valley	5204	36204	0(0%)	0(0%)	6	43								
37	Central San Bernardino Mountains	5181	36181	0(0%)	0(0%)	6	26								
38	East San Bernardino Mountains	5818	36001					6	0	0	13.1				
District Maximum				8	1		210		4	0	57.0		0.02		9.5

c) U.S. EPA has revised the 24-hour federal standard level for PM2.5 from 65 µg/m³ to 35 µg/m³, effective December 17, 2006. Data is provided for information.

* Revised/corrected station number.

** Salton Sea Air Basin

Table 3
April 2007
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station Number		Ozone						Carbon Monoxide		Nitrogen Dioxide			Sulfur Dioxide		
				No. Days Exceeding						Days Exceeding State/ Federal Standard	Max 8-hour ppm	Days Exceeding State Standard ^{b)}			Max 24-hour ppm	Max 1-hour ppm	
		State Standard 1-hour	Health 8-hour	Advisory	Federal Standard 1-hour ^{a)}	8-hour	Max 1-hour ppm	Max 8-hour ppm	1-hour > 0.18 ppm			1-hour > 0.25 ppm	Max 1-hour ppm				
LOS ANGELES COUNTY																	
1	Central LA	87	70087	0	0	0	0	0	0.07	0.057	0/0	1.14	0	0	0.08	0.001	0.01
2	Northwest Coastal LA County	91	70091	0	0	0	0	0	0.07	0.060	0/0	1.14	0	0	0.05		
3	Southwest Coastal LA County	820	70111	0	0	0	0	0	0.08	0.066	0/0	0.60	0	0	0.05	0.003	0.01
4	South Coastal LA County 1	72	70072	0	0	0	0	0	0.06	0.050	0/0	2.00	0	0	0.05	0.004	0.02
4	South Coastal LA County 2	77	70110														
6	West San Fernando Valley	74	70074	0	2	0	0	0	0.09	0.077	0/0	1.14	0	0	0.06		
7	East San Fernando Valley	69	70069	0	0	0	0	0	0.08	0.067	0/0	1.43	0	0	0.07	0.001	0.01
8	West San Gabriel Valley	88	70088	0	0	0	0	0	0.09	0.066	0/0	1.00	0	0	0.06		
9	East San Gabriel Valley 1	60	70060	0	0	0	0	0	0.09	0.067	0/0	1.00	0	0	0.07		
9	East San Gabriel Valley 2	591	70591	0	1	0	0	0	0.09	0.073	0/0	2.00	0	0	0.06		
10	Pomona/Walnut Valley	75	70075	1	1	0	0	0	0.10	0.075	0/0	1.29	0	0	0.06		
11	South San Gabriel Valley	85	70185	0	0	0	0	0	0.08	0.063	0/0	1.14	0	0	0.06		
12	South Central LA County	84	70084	0	0	0	0	0	0.06	0.058	0/0	1.71	0	0	0.06		
13	Santa Clarita Valley	90	70090	1	1	0	0	0	0.10	0.082	0/0	1.00	0	0	0.05		
ORANGE COUNTY																	
16	North Orange County	3177	30177	0	0	0	0	0	0.07	0.062	0/0	1.29	0	0	0.08		
17	Central Orange County	3178*	30178	0	0	0	0	0	0.07	0.060	0/0	1.14	0	0	0.05		
18	North Coastal Orange County	3195	30195	0	0	0	0	0	0.06	0.057	0/0	0.43	0	0	0.04	0.001	0.00
19	Saddleback Valley	3182*	30002	0	0	0	0	0	0.09	0.070	0/0	0.14					
RIVERSIDE COUNTY																	
22	Norco/Corona	4155	33155														
23	Metropolitan Riverside County 1	4144	33144	2	3	0	0	0	0.10	0.083	0/0	2.43	0	0	0.06	0.001	0.01
23	Metropolitan Riverside County 2	4146	33146								0/0	1.38					
23	Mira Loma	5214	33165	0	3	0	0	0	0.09	0.072	0/0	0.80	0	0	0.04		
24	Perris Valley	4149	33149	1	3	0	0	1	0.10	0.088							
25	Lake Elsinore	4158	33158	0	4	0	0	0	0.09	0.082	0/0	1.00	0	0	0.05		
29	Banning Airport	4164	33164	0	2	0	0	0	0.08	0.073			0	0	0.06		
30	Coachella Valley 1**	4137	33137	0	6	0	0	0	0.09	0.082	0/0	0.75	0	0	0.04		
30	Coachella Valley 2**	4157	33157	0	4	0	0	0	0.09	0.080							
SAN BERNARDINO COUNTY																	
32	Northwest San Bernardino Valley	5175	36175	2	3	0	0	0	0.10	0.082	0/0	1.00	0	0	0.06		
33	Southwest San Bernardino Valley	5817	36025														
34	Central San Bernardino Valley 1	5197	36197	3	3	0	0	1	0.11	0.087	0/0	1.14	0	0	0.07	0.002	0.01
34	Central San Bernardino Valley 2	5203	36203	2	3	0	0	1	0.11	0.091	0/0	1.00	0	0	0.07		
35	East San Bernardino Valley	5204	36204	2	3	0	0	1	0.11	0.095							
37	Central San Bernardino Mountains	5181	36181	1	5	0	0	2	0.11	0.096							
38	East San Bernardino Mountains	5818	36001														
District Maximum				3	6	0	0	2	0.11	0.096	0/0	2.43	0	0	0.08	0.004	0.02

a) The federal 1-hour ozone standard was revoked and replaced by the 8-hour average standard effective June 15, 2005. Data is provided for information.

b) California Air Resources Board has approved the proposal to lower the NO₂ 1-hour standard from 0.25 ppm to 0.18 ppm. The revision is expected to become effective in early 2008.

* Revised/corrected station number.

** Salton Sea Air Basin.

Table 3 (continued)
April 2007
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station Number		PM10				PM2.5			Lead		Sulfate		
		District No.	State No.	No. (%) Days Exceeding		Number Days Sampled	Max 24-hour Average µg/m3	Number Days Sampled	Number of Days Exceeding Federal Standard ^{c)}		Max 24-hour Average µg/m3	Number Days Sampled	Monthly Average µg/m3	Number Days Sampled	Max 24-hour Average µg/m3
				State Standard	Federal Standard				> 35 µg/m3	>65 µg/m3					
LOS ANGELES COUNTY															
1	Central LA	87	70087	1(20%)	0(0%)	5	78	28	1	0	44.4	5	0.01	5	9.9
2	Northwest Coastal LA County	91	70091											5	9.7
3	Southwest Coastal LA County	820	70111	1(20%)	0(0%)	5	96					4	0.01	4	10.5
4	South Coastal LA County 1	72	70072	1(20%)	0(0%)	5	75	27	0	0	27.5	5	0.00	5	9.4
4	South Coastal LA County 2	77	70110	2(40%)	0(0%)	5	123	29	0	0	24.6	5	0.02	5	8.4
6	West San Fernando Valley	74	70074					9	0	0	28.4				
7	East San Fernando Valley	69	70069	2(50%)	0(0%)	4	109	8	0	0	30.3				
8	West San Gabriel Valley	88	70088					5	0	0	26.9	4	0.01	4	8.4
9	East San Gabriel Valley 1	60	70060	3(60%)	0(0%)	5	83	25	2	0	49.3			5	8.9
9	East San Gabriel Valley 2	591	70591												
10	Pomona/Walnut Valley	75	70075												
11	South San Gabriel Valley	85	70185					10	0	0	19.5	5	0.01	5	9.4
12	South Central LA County	84	70084					8	0	0	21.5	4	0.01	4	8.4
13	Santa Clarita Valley	90	70090	2(40%)	0(0%)	5	131								
ORANGE COUNTY															
16	North Orange County	3177	30177												
17	Central Orange County	3178*	30178	1(20%)	0(0%)	5	69	28	0	0	22.4				
18	North Coastal Orange County	3195	30195												
19	Saddleback Valley	3182*	30002	0(0%)	0(0%)	5	37	5	0	0	14.4				
RIVERSIDE COUNTY															
22	Norco/Corona	4155	33155	1(20%)	0(0%)	5	93								
23	Metropolitan Riverside County 1	4144	33144	6(60%)	0(0%)	10	108	22	2	0	39.0	5	0.01	5	7.6
23	Metropolitan Riverside County 2	4146	33146					5	1	0	37.4	5	0.01	5	7.6
23	Mira Loma	5214	33165					9	1	0	38.1				
24	Perris Valley	4149	33149	2(40%)	1(20%)	5	167								
25	Lake Elsinore	4158	33158												
29	Banning Airport	4164	33164	2(40%)	0(0%)	5	78								
30	Coachella Valley 1**	4137	33137	2(50%)	0(0%)	4	83	10	0	0	18.8				
30	Coachella Valley 2**	4157	33157	7(70%)	1(10%)	10	157	9	0	0	16.6				
SAN BERNARDINO COUNTY															
32	Northwest San Bernardino Valley	5175	36175									5	0.01	5	7.6
33	Southwest San Bernardino Valley	5817	36025	2(40%)	0(0%)	5	85	10	0	0	29.0				
34	Central San Bernardino Valley 1	5197	36197	4(80%)	0(0%)	5	75	10	1	0	36.5			5	8.2
34	Central San Bernardino Valley 2	5203	36203	3(60%)	0(0%)	5	136	10	2	0	38.8	5	0.01	5	8.4
35	East San Bernardino Valley	5204	36204	3(60%)	0(0%)	5	92								
37	Central San Bernardino Mountains	5181	36181	1(25%)	0(0%)	4	89								
38	East San Bernardino Mountains	5818	36001					5	0	0	7.5				
District Maximum				7	1		167		2	0	49.3		0.02		10.5

c) U.S. EPA has revised the 24-hour federal standard level for PM2.5 from 65 µg/m³ to 35 µg/m³, effective December 17, 2006. Data is provided for information.

* Revised/corrected station number.

** Salton Sea Air Basin