

Air Quality Standards Compliance Report (AQSCR)

Statistics for May/June 2007

Vol. 20, No. 3

Published January, 2008

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.

May and June 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 May and June are shown and summarized in the following tables.

Table 1 (below) summarizes the maximum concentrations recorded and location of the maximum during May-June 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 May and June. 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 May and June 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 May/June 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	0.15	158%	120%	Central San Bernardino Mountains
8-Hour	> 0.07 ppm	> 0.08 ppm	0.123	164%	145%	Central San Bernardino Mountains
Particulate (PM2.5)						
24-Hour		> 35 µg/m ³	54.5	154%	154%	Mira Loma
Particulate (PM10)						
24-Hour	> 50 µg/m ³	> 150 µg/m ³	110	216%	73%	Coachella Valley
Carbon Monoxide						
8-Hour	> 9.0 ppm	> 9 ppm	3.00	33%	32%	Santa Clarita Valley
Nitrogen Dioxide						
1-Hour	> 0.18 ppm		0.08	42%		South Coastal Los Angeles County
Sulfur Dioxide						
1-Hour	> 0.25 ppm		0.03	12%		Central Los Angeles
24-Hour	> 0.04 ppm	> 0.14 ppm	0.005	11%	3%	Southwest Coastal Los Angeles County
Sulfates						
24-Hour	>= 25 µg/m ³		9.7	39%		Central Los Angeles
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>

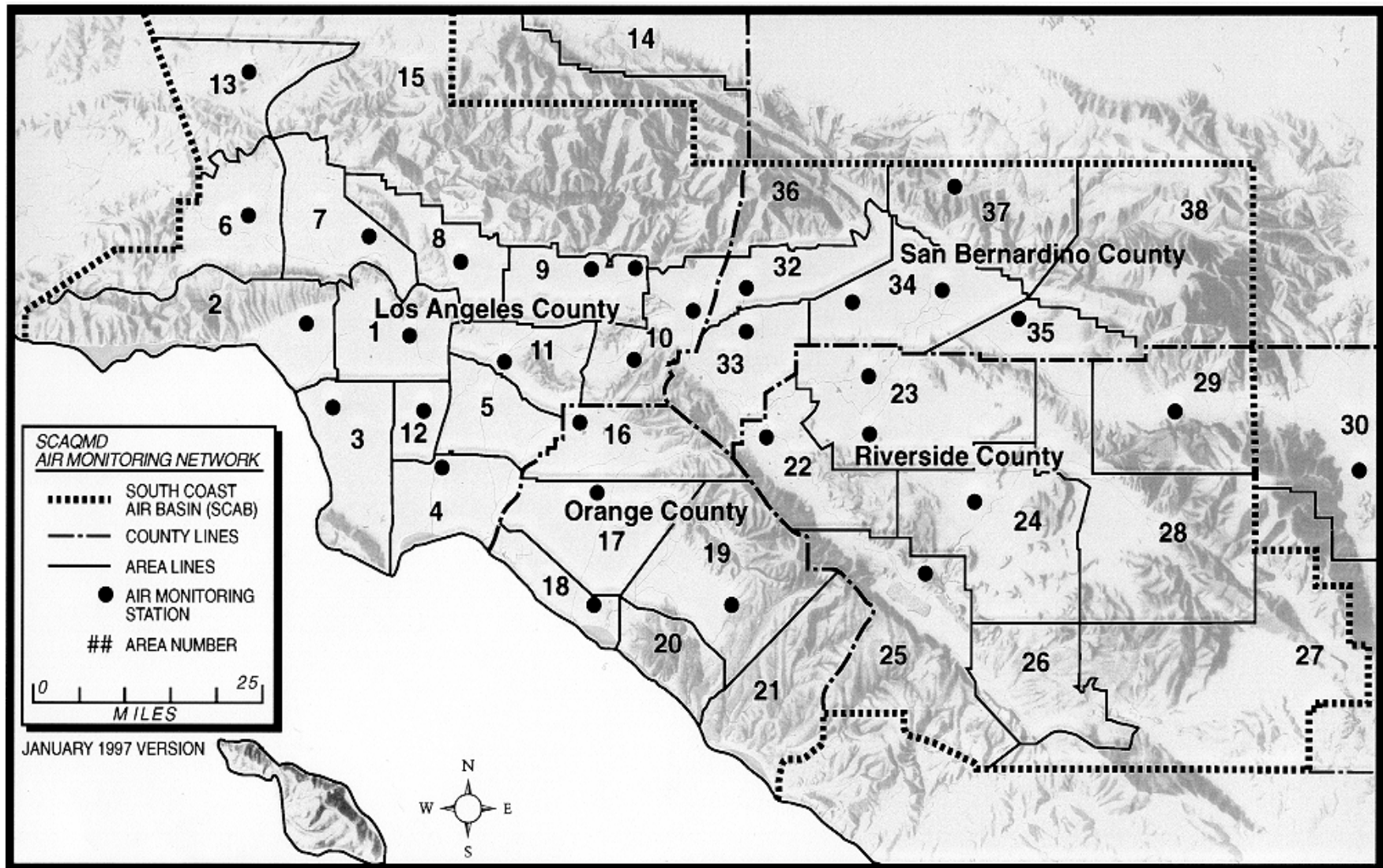


Figure 1
South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert
Air Basins and Monitoring Stations

Table 2
May 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 ppm	Max 8-hour ppm	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									
LOS ANGELES COUNTY																	
1	Central LA	87	70087	0	1	0	0	0	0.09	0.072	0/0	1.00	0	0	0.07	0.001	0.00
2	Northwest Coastal LA County	91	70091	0	0	0	0	0	0.08	0.068	0/0	1.00	0	0	0.06		
3	Southwest Coastal LA County	820	70111	0	1	0	0	0	0.08	0.074	0/0	0.80	0	0	0.06	0.005	0.01
4	South Coastal LA County 1	72	70072	0	0	0	0	0	0.07	0.061	0/0	1.43	0	0	0.08	0.003	0.01
4	South Coastal LA County 2	77	70110														
6	West San Fernando Valley	74	70074	0	3	0	0	0	0.09	0.082	0/0	1.14	0	0	0.05		
7	East San Fernando Valley	69	70069	0	4	0	0	0	0.09	0.080	0/0	1.00	0	0	0.06	0.001	0.01
8	West San Gabriel Valley	88	70088	0	3	0	0	0	0.09	0.077	0/0	1.00	0	0	0.05		
9	East San Gabriel Valley 1	60	70060	2	5	0	0	0	0.10	0.084	0/0	1.00	0	0	0.07		
9	East San Gabriel Valley 2	591	70591	2	5	0	0	0	0.10	0.084	0/0	1.00	0	0	0.05		
10	Pomona/Walnut Valley	75	70075	1	5	0	0	0	0.10	0.084	0/0	1.14	0	0	0.07		
11	South San Gabriel Valley	85	70185	0	1	0	0	0	0.09	0.078	0/0	1.00	0	0	0.06		
12	South Central LA County	84	70084	0	0	0	0	0	0.07	0.063	0/0	2.00	0	0	0.07		
13	Santa Clarita Valley	90	70090	1	5	0	0	0	0.10	0.082	0/0	1.00	0	0	0.05		
ORANGE COUNTY																	
16	North Orange County	3177	30177	0	1	0	0	0	0.09	0.080	0/0	1.14	0	0	0.06		
17	Central Orange County	3178*	30178	0	1	0	0	0	0.08	0.073	0/0	1.00	0	0	0.06		
18	North Coastal Orange County	3195	30195	0	1	0	0	0	0.08	0.073	0/0	0.63	0	0	0.06	0.001	0.01
19	Saddleback Valley	3182*	30002	0	2	0	0	0	0.09	0.078	0/0	0.17					
RIVERSIDE COUNTY																	
22	Norco/Corona	4155	33155														
23	Metropolitan Riverside County 1	4144	33144	1	9	0	0	1	0.11	0.091	0/0	1.29	0	0	0.06	0.001	0.00
23	Metropolitan Riverside County 2	4146	33146								0/0	1.13					
23	Mira Loma	5214	33165	1	6	0	0	1	0.11	0.088	0/0	0.70	0	0	0.04		
24	Perris Valley	4149	33149	4	12	0	0	3	0.11	0.096							
25	Lake Elsinore	4158	33158	1	8	0	0	1	0.11	0.090	0/0	0.43	0	0	0.05		
29	Banning Airport	4164	33164	0	5	0	0	0	0.09	0.082			0	0	0.05		
30	Coachella Valley 1**	4137	33137	2	19	0	0	2	0.10	0.087	0/0	0.29	0	0	0.04		
30	Coachella Valley 2**	4157	33157	0	12	0	0	0	0.09	0.082							
SAN BERNARDINO COUNTY																	
32	Northwest San Bernardino Valley	5175	36175	2	6	0	0	1	0.12	0.092	0/0	1.00	0	0	0.06		
33	Southwest San Bernardino Valley	5817	36025														
34	Central San Bernardino Valley 1	5197	36197	4	5	0	0	4	0.11	0.092	0/0	1.14	0	0	0.07	0.001	0.01
34	Central San Bernardino Valley 2	5203	36203	4	6	0	0	3	0.12	0.096	0/0	1.00	0	0	0.05		
35	East San Bernardino Valley	5204	36204	3	6	0	0	3	0.11	0.097							
37	Central San Bernardino Mountains	5181	36181	8	20	0	0	6	0.12	0.106							
38	East San Bernardino Mountains	5818	36001														
District Maximum				8	20	0	0	6	0.12	0.106	0/0	2.00	0	0	0.08	0.005	0.01

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 only.

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)
May 2007
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.		Station Number		PM10				PM2.5				Lead		Sulfate	
				No. (%) Days Exceeding		Number Days Sampled	Max 24-hour Average µg/m3	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										
		Location	District No.	State No.					Number Days Sampled						
LOS ANGELES COUNTY															
1	Central LA	87	70087	0(0%)	0(0%)	5	35	31	0	0	28.2	5	0.02	5	7.8
2	Northwest Coastal LA County	91	70091											5	6.9
3	Southwest Coastal LA County	820	70111	0(0%)	0(0%)	5	32								
4	South Coastal LA County 1	72	70072	0(0%)	0(0%)	5	33	30	0	0	18.7	5	0.00	5	8.4
4	South Coastal LA County 2	77	70110	1(20%)	0(0%)	5	53	25		0	19.6				
6	West San Fernando Valley	74	70074					10	0	0	24.8				
7	East San Fernando Valley	69	70069	0(0%)	0(0%)	3	47	9	0	0	33.1				
8	West San Gabriel Valley	88	70088					8	0	0	26.3			5	6.7
9	East San Gabriel Valley 1	60	70060	0(0%)	0(0%)	5	47	24	0	0	32.2			5	6.5
9	East San Gabriel Valley 2	591	70591												
10	Pomona/Walnut Valley	75	70075												
11	South San Gabriel Valley	85	70185					9	0	0	24.2	4	0.01	4	7.3
12	South Central LA County	84	70084					9	0	0	22.0	5	0.01	5	6.6
13	Santa Clarita Valley	90	70090	0(0%)	0(0%)	5	42								
ORANGE COUNTY															
16	North Orange County	3177	30177												
17	Central Orange County	3178*	30178	0(0%)	0(0%)	5	31	26	0	0	18.3				
18	North Coastal Orange County	3195	30195												
19	Saddleback Valley	3182*	30002	0(0%)	0(0%)	5	28	10	0	0	15.7				
RIVERSIDE COUNTY															
22	Norco/Corona	4155	33155	0(0%)	0(0%)	5	46								
23	Metropolitan Riverside County 1	4144	33144	7(70%)	0(0%)	10	86	26	6	0	53.6	5	0.01	5	7.7
23	Metropolitan Riverside County 2	4146	33146					9	1	0	50.0	5	0.01	5	7.2
23	Mira Loma	5214	33165					10	1	0	54.5				
24	Perris Valley	4149	33149	2(40%)	0(0%)	5	56								
25	Lake Elsinore	4158	33158												
29	Banning Airport	4164	33164	1(50%)	0(0%)	2	72								
30	Coachella Valley 1**	4137	33137	0(0%)	0(0%)	5	45	10	0	0	17.4				
30	Coachella Valley 2**	4157	33157	7(70%)	0(0%)	10	110	6	0	0	13.8				
SAN BERNARDINO COUNTY															
32	Northwest San Bernardino Valley	5175	36175									5	0.01	5	6.5
33	Southwest San Bernardino Valley	5817	36025	0(0%)	0(0%)	5	50	9	0	0	34.7				
34	Central San Bernardino Valley 1	5197	36197	5(100%)	0(0%)	5	80	10	1	0	41.4			5	6.4
34	Central San Bernardino Valley 2	5203	36203	4(80%)	0(0%)	5	77	7	1	0	40.6	5	0.02	5	8.0
35	East San Bernardino Valley	5204	36204	3(60%)	0(0%)	5	74								
37	Central San Bernardino Mountains	5181	36181	0(0%)	0(0%)	3	35								
38	East San Bernardino Mountains	5818	36001					4	0	0	7.3				
District Maximum				7	0		110		6	0	54.5		0.02		8.4

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 only.

Table 3
June 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 ppm	Max 8-hour ppm	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									
LOS ANGELES COUNTY																	
1	Central LA	87	70087	0	0	0	0	0	0.09	0.067	0/0	1.00	0	0	0.05	0.004	0.03
2	Northwest Coastal LA County	91	70091	0	0	0	0	0	0.08	0.061	0/0	1.00	0	0	0.05		
3	Southwest Coastal LA County	820	70111	0	0	0	0	0	0.07	0.062	0/0	0.40	0	0	0.04	0.004	0.01
4	South Coastal LA County 1	72	70072	0	0	0	0	0	0.06	0.048	0/0	2.29	0	0	0.04	0.003	0.01
4	South Coastal LA County 2	77	70110														
6	West San Fernando Valley	74	70074	4	12	0	0	2	0.11	0.085	0/0	1.00	0	0	0.05		
7	East San Fernando Valley	69	70069	1	2	0	0	1	0.10	0.086	0/0	1.00	0	0	0.07	0.001	0.00
8	West San Gabriel Valley	88	70088	0	3	0	0	0	0.09	0.083	0/0	1.00	0	0	0.05		
9	East San Gabriel Valley 1	60	70060	4	6	0	0	2	0.11	0.096	0/0	1.00	0	0	0.05		
9	East San Gabriel Valley 2	591	70591	4	7	0	0	2	0.12	0.105	0/0	1.14	0	0	0.06		
10	Pomona/Walnut Valley	75	70075	2	4	0	0	1	0.11	0.101	0/0	1.00	0	0	0.06		
11	South San Gabriel Valley	85	70185	0	1	0	0	0	0.09	0.073	0/0	1.00	0	0	0.05		
12	South Central LA County	84	70084	0		0	0	0	0.07	0.050	0/0	1.00	0	0	0.05		
13	Santa Clarita Valley	90	70090	6	17	0	0	6	0.11	0.092	0/0	3.00	0	0	0.05		
ORANGE COUNTY																	
16	North Orange County	3177	30177	1	1	0	0	0	0.10	0.076	0/0	0.75	0	0	0.04		
17	Central Orange County	3178*	30178	0	0	0	0	0	0.07	0.065	0/0	1.00	0	0	0.04		
18	North Coastal Orange County	3195	30195	0	0	0	0	0	0.07	0.057	0/0	0.00	0	0	0.02	0.002	0.01
19	Saddleback Valley	3182*	30002	0	0	0	0	0	0.09	0.070	0/0	0.00					
RIVERSIDE COUNTY																	
22	Norco/Corona	4155	33155														
23	Metropolitan Riverside County 1	4144	33144	5	17	0	0	2	0.10	0.095	0/0	1.14	0	0	0.05		
23	Metropolitan Riverside County 2	4146	33146							0/0	1.00						
23	Mira Loma	5214	33165	4	15	0	0	1	0.10	0.091	0/0	0.60	0	0	0.05		
24	Perris Valley	4149	33149	16	21	0	1	14	0.13	0.103							
25	Lake Elsinore	4158	33158	6	16	0	0	5	0.12	0.098	0/0	0.86	0	0	0.05		
29	Banning Airport	4164	33164	0	13	0	0	0	0.09	0.083			0	0	0.06		
30	Coachella Valley 1**	4137	33137	11	22	0	1	12	0.13	0.101	0/0	0.17	0	0	0.02		
30	Coachella Valley 2**	4157	33157	4	18	0	0	6	0.11	0.096							
SAN BERNARDINO COUNTY																	
32	Northwest San Bernardino Valley	5175	36175	6	11	0	1	3	0.13	0.112	0/0	1.14	0	0	0.07		
33	Southwest San Bernardino Valley	5817	36025														
34	Central San Bernardino Valley 1	5197	36197	7	15	0	1	4	0.13	0.116	0/0	1.00	0	0	0.07	0.003	0.01
34	Central San Bernardino Valley 2	5203	36203	13	20	0	0	8	0.12	0.108	0/0	1.00	0	0	0.06		
35	East San Bernardino Valley	5204	36204	14	20	0	0	8	0.12	0.097							
37	Central San Bernardino Mountains	5181	36181	17	25	1	3	15	0.15	0.123							
38	East San Bernardino Mountains	5818	36001														
District Maximum				17	25	1	3	15	0.15	0.123	0/0	3.00	0	0	0.07	0.004	0.03

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 only.

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)
June 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 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										
		District No.	State No.												
LOS ANGELES COUNTY															
1	Central LA	87	70087	0(0%)	0(0%)	4	38	24	0	0	22.1	5	0.02	5	9.7
2	Northwest Coastal LA County	91	70091											5	7.6
3	Southwest Coastal LA County	820	70111	0(0%)	0(0%)	5	33								
4	South Coastal LA County 1	72	70072	0(0%)	0(0%)	4	33	29	0	0	18.8	5	0.01	5	9.5
4	South Coastal LA County 2	77	70110	0(0%)	0(0%)	5	49	27	0	0	21.2				
6	West San Fernando Valley	74	70074					7	0	0	17.1				
7	East San Fernando Valley	69	70069	0(0%)	0(0%)	5	50	9	0	0	17.9				
8	West San Gabriel Valley	88	70088					10	0	0	17.0			5	6.8
9	East San Gabriel Valley 1	60	70060	1(20%)	0(0%)	5	53	28	0	0	22.1			5	6.8
9	East San Gabriel Valley 2	591	70591												
10	Pomona/Walnut Valley	75	70075												
11	South San Gabriel Valley	85	70185					8	0	0	16.0	5	0.01	5	7.7
12	South Central LA County	84	70084					10	0	0	17.1	5	0.01	5	6.8
13	Santa Clarita Valley	90	70090	0(0%)	0(0%)	5	46								
ORANGE COUNTY															
16	North Orange County	3177	30177												
17	Central Orange County	3178*	30178	0(0%)	0(0%)	5	32	29	0	0	18.5				
18	North Coastal Orange County	3195	30195												
19	Saddleback Valley	3182*	30002	0(0%)	0(0%)	5	28	10	0	0	13.9				
RIVERSIDE COUNTY															
22	Norco/Corona	4155	33155	0(0%)	0(0%)	5	44								
23	Metropolitan Riverside County 1	4144	33144	8(80%)	0(0%)	10	87	27	1	0	40.0	2	0.01	4	5.6
23	Metropolitan Riverside County 2	4146	33146					8	0	0	26.0				
23	Mira Loma	5214	33165					9	0	0	27.3				
24	Perris Valley	4149	33149	3(60%)	0(0%)	5	79								
25	Lake Elsinore	4158	33158												
29	Banning Airport	4164	33164	1(20%)	0(0%)	5	58								
30	Coachella Valley 1**	4137	33137	1(20%)	0(0%)	5	57	9	0	0	14.6				
30	Coachella Valley 2**	4157	33157	9(100%)	0(0%)	9	87	3	0	0	12.0				
SAN BERNARDINO COUNTY															
32	Northwest San Bernardino Valley	5175	36175												
33	Southwest San Bernardino Valley	5817	36025	1(25%)	0(0%)	4	61	9	0	0	17.7				
34	Central San Bernardino Valley 1	5197	36197	4(80%)	0(0%)	5	80	8	0	0	22.2				
34	Central San Bernardino Valley 2	5203	36203	4(80%)	0(0%)	5	69	6	0	0	22.8				
35	East San Bernardino Valley	5204	36204	4(80%)	0(0%)	5	64								
37	Central San Bernardino Mountains	5181	36181	0(0%)	0(0%)	5	41								
38	East San Bernardino Mountains	5818	36001					2	0	0	8.4				
District Maximum				9	0		87		1	0	40.0		0.02		9.7

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 only.