

Air Quality Standards Compliance Report (AQSCR)

Statistics for March/April 2006

Vol. 19, 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 2006 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 2006. 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 2006. Figure 1 shows the location of the District's air monitoring stations in each source/receptor area.

Please refer to the January/February 2006 issue of the AQSCR for an updated air quality standards table (Table 1).

Table 1
Maximum Concentrations Reported in March/April 2006
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%	Central San Bernardino Mountains
8-Hour	> 0.07 ppm	> 0.08 ppm	0.088	117%	104%	Perris Valley
Particulate (PM2.5)						
24-Hour		> 35 µg/m ³	46.3		130%	Metropolitan Riverside County
Particulate (PM10)						
24-Hour	> 50 µg/m ³	> 150 µg/m ³	86	169%	57%	Coachella Valley
Carbon Monoxide						
8-Hour	> 9.0 ppm	> 9 ppm	2.71	30%	29%	South Central Los Angeles County
Nitrogen Dioxide						
1-Hour	> 0.25 ppm		0.10	38%		South Coastal Los Angeles County
Sulfur Dioxide						
1-Hour	> 0.25 ppm		0.02	8%		South Coastal Los Angeles County
24-Hour	> 0.04 ppm	> 0.14 ppm	0.004	10%	3%	South Coastal Los Angeles County
Sulfates						
24-Hour	>= 25 µg/m ³		9.2	37%		South Coastal Los Angeles County
Lead*						
30-Day	>= 1.5 µg/m ³		0.01	1%		Several Locations
30-Day*			0.17	11%		Central Los Angeles

*Higher lead concentrations were recorded at special monitoring sites in the immediate vicinity of major lead sources.



South Coast Air Quality Management District
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<http://www.aqmd.gov>

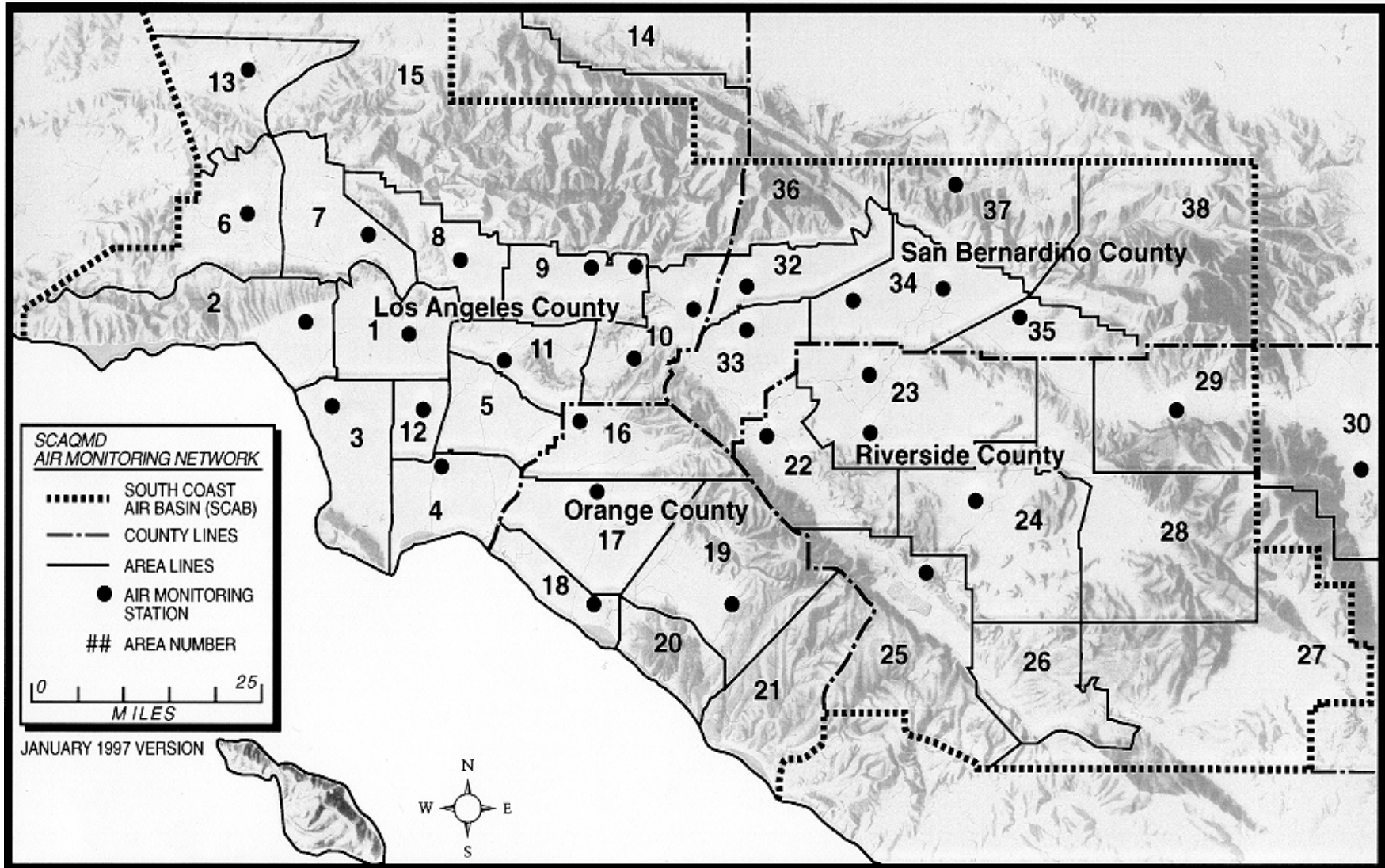


Figure 1
South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert
Air Basins and Monitoring Stations

Table 2
March 2006
Exceedances of Standards and Maximum Concentrations

No.	Location	Stn. No.	Ozone						Carbon Monoxide				Nitrogen Dioxide		Sulfur Dioxide		
			<u>No. Days Exceeding</u>						<u>Days Exceeding</u>				Days Exceeding State Std	Max 1-hour ppm	Max 24-hour ppm	Max 1-hour ppm	
			State Standard ^{a)}		Health Advisory	Federal Standard		Max 1-hour ppm	Max 8-hour ppm	State Std 8-hr/1-hr	Federal Std 8hr/1-hr	Max 8-hour ppm					Max 1-hour ppm
LOS ANGELES COUNTY																	
1	Central LA	87	0	0	0	0	0	0.05	0.047	0/0	0/0	1.29	2	0	0.07	0.001	0.00
2	Northwest Coastal LA County	91	0	0	0	0	0	0.06	0.050	0/0	0/0	1.43	2	0	0.05		
3	Southwest Coastal LA County	820	0	0	0	0	0	0.06	0.047	0/0	0/0	1.20	2	0	0.07		
4	South Coastal LA County 1	72	0	0	0	0	0	0.05	0.040	0/0	0/0	1.86	2	0	0.07	0.003	0.02
4	South Coastal LA County 2	77															
6	West San Fernando Valley	74	0	0	0	0	0	0.07	0.053	0/0	0/0	1.43	2	0	0.04		
7	East San Fernando Valley	69	0	0	0	0	0	0.06	0.048	0/0	0/0	1.43	2	0	0.06	0.001	0.00
8	West San Gabriel Valley	88	0	0	0	0	0	0.06	0.046	0/0	0/0	1.71	2	0	0.05		
9	East San Gabriel Valley 1	60	0	0	0	0	0	0.05	0.043	0/0	0/0	1	2	0	0.06		
9	East San Gabriel Valley 2	591	0	0	0	0	0	0.05	0.045	0/0	0/0	1.29	2	0	0.05		
10	Pomona/Walnut Valley	75	0	0	0	0	0	0.06	0.043	0/0	0/0	1.43	2	0	0.07		
11	South San Gabriel Valley	85															
12	South Central LA County	84	0	0	0	0	0	0.04	0.036	0/0	0/0	2.71	4	0	0.06		
13	Santa Clarita Valley	90	0	0	0	0	0	0.07	0.060	0/0	0/0	0.43	1	0	0.04		
ORANGE COUNTY																	
16	North Orange County	3177	0	0	0	0	0	0.06	0.057	0/0	0/0	1.71	3	0	0.06		
17	Central Orange County	3176	0	0	0	0	0	0.05	0.047	0/0	0/0	1.29	2	0	0.05		
18	North Coastal Orange County	3195	0	0	0	0	0	0.06	0.050	0/0	0/0	1.29	2	0	0.05	0.001	0.01
19	Saddleback Valley	3812	0	0	0	0	0	0.06	0.055	0/0	0/0	0.71	1				
RIVERSIDE COUNTY																	
22	Norco/Corona	4155															
23	Metropolitan Riverside County 1	4144	0	0	0	0	0	0.06	0.048	0/0	0/0	1.43	2	0	0.05	0.001	0.00
23	Metropolitan Riverside County 2	4146										1.38	2				
23	Mira Loma	5214	0	0	0	0	0	0.06	0.044	0/0	0/0	1.20	2	0	0.05		
24	Perris Valley	4149	0	0	0	0	0	0.06	0.052								
25	Lake Elsinore	4158	0	0	0	0	0	0.06	0.057	0/0	0/0	0.75	1	0	0.05		
29	Banning Airport	4164	0	0	0	0	0	0.06	0.060					0	0.06		
30	Coachella Valley 1**	4137	0	0	0	0	0	0.07	0.060	0/0	0/0	0.43	1	0	0.04		
30	Coachella Valley 2**	4157	0	0	0	0	0	0.07	0.061								
SAN BERNARDINO COUNTY																	
32	Northwest San Bernardino Valley	5175	0	0	0	0	0	0.06	0.047	0/0	0/0	1.29	2	0	0.06		
33	Southwest San Bernardino Valley	5817															
34	Central San Bernardino Valley 1	5197	0	0	0	0	0	0.06	0.047	0/0	0/0	1.29	2	0	0.06	0.001	0.00
34	Central San Bernardino Valley 2	5203	0	0	0	0	0	0.06	0.047	0/0	0/0	1.38	2	0	0.06		
35	East San Bernardino Valley	5204	0	0	0	0	0	0.05	0.045								
37	Central San Bernardino Mountain	5181	0	0	0	0	0	0.06	0.060								
38	Big Bear Lake	5818															
District maximum			0	0	0	0	0	0.07	0.061	0/0	0/0	2.71	4	0	0.07	0.003	0.02

a) New 8-hour average state ozone standard of 0.07 ppm has been established effective May 17, 2006.

** Salton Sea Air Basin.

Table 2 (continued)
March 2006
Exceedances of Standards and Maximum Concentrations

No.	Location	Stn. No.	PM10				Lead***		Sulfate		PM2.5			
			No. (%) Days Exceeding State Standard	Federal Standard	Number Days Sampled	Max 24-hour Average $\mu\text{g}/\text{m}^3$	Number Days Sampled	Monthly Average $\mu\text{g}/\text{m}^3$	Number Days Sampled	Max 24-hour Average $\mu\text{g}/\text{m}^3$	Number Days Sampled	Number of Days Exceeding Federal Standard ^{b)}		Max 24-hour Average $\mu\text{g}/\text{m}^3$
											> 35 $\mu\text{g}/\text{m}^3$	>65 $\mu\text{g}/\text{m}^3$		
LOS ANGELES COUNTY														
1	Central LA	87	0(0%)	0(0%)	5	30	5	0.01	5	2.9	31	0	0	18.9
2	Northwest Coastal LA County	91							3	3.1				
3	Southwest Coastal LA County	820	0(0%)	0(0%)	5	30								
4	South Coastal LA County 1	72	0(0%)	0(0%)	5	34	5	0.01	5	6.1	30	0	0	21.2
4	South Coastal LA County 2	77	0(0%)	0(0%)	5	30					31	0	0	19.7
6	West San Fernando Valley	74									7	0	0	12.7
7	East San Fernando Valley	69	0(0%)	0(0%)	5	32					9	0	0	15.5
8	West San Gabriel Valley	88							5	3.7	10	0	0	15.7
9	East San Gabriel Valley 1	60	0(0%)	0(0%)	5	35			5	2.7	20	0	0	14.7
9	East San Gabriel Valley 2	591												
10	Pomona/Walnut Valley	75												
11	South San Gabriel Valley	85					4	0.01	4	3.1	9	0	0	15.6
12	South Central LA County	84					4	0.01	4	4.5	9	0	0	16.4
13	Santa Clarita Valley	90	0(0%)	0(0%)	5	18								
ORANGE COUNTY														
16	North Orange County	3177												
17	Central Orange County	3176	0(0%)	0(0%)	5	35					30	0	0	19.4
18	North Coastal Orange County	3195												
19	Saddleback Valley	3812	0(0%)	0(0%)	3	18					10	0	0	8.2
RIVERSIDE COUNTY														
22	Norco/Corona	4155	0(0%)	0(0%)	3	24								
23	Metropolitan Riverside County 1	4144	1(10%)	0(0%)	10	67	5	0.00	5	3.0	30	0	0	30.0
23	Metropolitan Riverside County 2	4146					6	0.00	6	2.5	10	0	0	29.7
23	Mira Loma	5214									9	0	0	32.1
24	Perris Valley	4149	0(0%)	0(0%)	3	30								
25	Lake Elsinore	4158												
29	Banning Airport	4164	0(0%)	0(0%)	5	26								
30	Coachella Valley 1**	4137	0(0%)	0(0%)	5	19					10	0	0	7.9
30	Coachella Valley 2**	4157	1(10%)	0(0%)	10	51					10	0	0	8.9
SAN BERNARDINO COUNTY														
32	Northwest San Bernardino Valley	5175					5	0.01	5	2.2				
33	Southwest San Bernardino Valley	5817	0(0%)	0(0%)	5	49					10	0	0	25.6
34	Central San Bernardino Valley 1	5197	0(0%)	0(0%)	5	49			5	2.8	10	0	0	29.2
34	Central San Bernardino Valley 2	5203	0(0%)	0(0%)	5	45	4	0.00	4	2.9	10	0	0	33.5
35	East San Bernardino Valley	5204	0(0%)	0(0%)	5	40								
37	Central San Bernardino Mountain	5181	0(0%)	0(0%)	5	45								
38	Big Bear Lake	5818									1	0	0	9.5
District maximum			1	0		67		0.01		6.1		0	0	33.5

b) U.S. EPA has revised the 24-hour federal standard level for PM2.5 from 65 $\mu\text{g}/\text{m}^3$ to 35 $\mu\text{g}/\text{m}^3$, effective December 17, 2006.

** Salton Sea Air Basin

***Special monitoring of lead near stationary sources was carried out in March 2006 and the maximum monthly average was 0.17 $\mu\text{g}/\text{m}^3$ recorded in Central Los Angeles.

Table 3
April 2006
Exceedances of Standards and Maximum Concentrations

No.	Location	Stn. No.	Ozone						Carbon Monoxide				Nitrogen Dioxide		Sulfur Dioxide		
			<u>No. Days Exceeding</u>						<u>Days Exceeding</u>				Days Exceeding State Std	Max 1-hour ppm	Max 24-hour ppm	Max 1-hour ppm	
			State Standard ^{a)} 1-hour	State Standard ^{a)} 8-hour	Health Advisory	Federal Standard 1-hour	Federal Standard 8-hour	Max 1-hour ppm	Max 8-hour ppm	State Std 8-hr/1-hr	Federal Std 8hr/1-hr	Max 8-hour ppm					Max 1-hour ppm
LOS ANGELES COUNTY																	
1	Central LA	87	0	0	0	0	0	0.07	0.058	0/0	0/0	1.14	2	0	0.07	0.001	0.00
2	Northwest Coastal LA County	91	0	0	0	0	0	0.08	0.063	0/0	0/0	1.00	1	0	0.06		
3	Southwest Coastal LA County	820	0	0	0	0	0	0.06	0.055	0/0	0/0	0.90	2	0	0.06		
4	South Coastal LA County 1	72	0	0	0	0	0	0.06	0.052	0/0	0/0	1.50	2	0	0.10	0.004	0.02
4	South Coastal LA County 2	77															
6	West San Fernando Valley	74	0	0	0	0	0	0.08	0.070	0/0	0/0	1.29	3	0	0.05		
7	East San Fernando Valley	69	0	0	0	0	0	0.08	0.067	0/0	0/0	1.29	2	0	0.06	0.001	0.00
8	West San Gabriel Valley	88	0	0	0	0	0	0.08	0.065	0/0	0/0	1.38	2	0	0.05		
9	East San Gabriel Valley 1	60	0	0	0	0	0	0.09	0.068	0/0	0/0	1.00	1	0	0.06		
9	East San Gabriel Valley 2	591	0	0	0	0	0	0.09	0.073	0/0	0/0	1.00	1	0	0.06		
10	Pomona/Walnut Valley	75	0	1	0	0	0	0.09	0.076	0/0	0/0	1.13	2	0	0.06		
11	South San Gabriel Valley	85															
12	South Central LA County	84	0	0	0	0	0	0.06	0.052	0/0	0/0	2.00	4	0	0.06		
13	Santa Clarita Valley	90	1	1	0	0	0	0.10	0.082	0/0	0/0	0.57	1	0	0.05		
ORANGE COUNTY																	
16	North Orange County	3177	0	0	0	0	0	0.08	0.068	0/0	0/0	1.13	2	0	0.05		
17	Central Orange County	3176	0	0	0	0	0	0.07	0.060	0/0	0/0	1.00	2	0	0.05		
18	North Coastal Orange County	3195	0	0	0	0	0	0.06	0.060	0/0	0/0	1.00	1	0	0.04	0.001	0.01
19	Saddleback Valley	3812	0	0	0	0	0	0.08	0.070	0/0	0/0	0.57	1				
RIVERSIDE COUNTY																	
22	Norco/Corona	4155															
23	Metropolitan Riverside County 1	4144	0	1	0	0	0	0.09	0.077	0/0	0/0	1.43	2	0	0.05	0.001	0.01
23	Metropolitan Riverside County 2	4146															
23	Mira Loma	5214	0	0	0	0	0	0.08	0.070	0/0	0/0	0.80	2	0	0.05		
24	Perris Valley	4149	1	1	0	0	1	0.10	0.088								
25	Lake Elsinore	4158	0	0	0	0	0	0.09	0.074	0/0	0/0	0.57	1	0	0.04		
29	Banning Airport	4164	0	0	0	0	0	0.08	0.073					0	0.06		
30	Coachella Valley 1**	4137	0	2	0	0	1	0.09	0.085	0/0	0/0	0.14	1	0	0.04		
30	Coachella Valley 2**	4157	0	0	0	0	0	0.08	0.072								
SAN BERNARDINO COUNTY																	
32	Northwest San Bernardino Valley	5175	1	1	0	0	0	0.10	0.077	0/0	0/0	1.00	1	0	0.06		
33	Southwest San Bernardino Valley	5817															
34	Central San Bernardino Valley 1	5197	1	1	0	0	0	0.10	0.081	0/0	0/0	1.29	2	0	0.06	0.001	0.01
34	Central San Bernardino Valley 2	5203	1	1	0	0	0	0.10	0.080	0/0	0/0	1.00	1	0	0.06		
35	East San Bernardino Valley	5204	0	0	0	0	0	0.09	0.073								
37	Central San Bernardino Mountain	5181	1	1	0	0	1	0.11	0.086								
38	Big Bear Lake	5818															
District maximum			1	2	0	0	1	0.11	0.088	0/0	0/0	2.00	4	0	0.10	0.004	0.02

a) New 8-hour average state ozone standard of 0.07 ppm has been established effective May 17, 2006.

** Salton Sea Air Basin.

Table 3 (continued)
April 2006
Exceedances of Standards and Maximum Concentrations

No.	Location	Stn. No.	PM10				Lead***		Sulfate		PM2.5			
			State Standard	Federal Standard	Number Days Sampled	Max 24-hour Average $\mu\text{g}/\text{m}^3$	Number Days Sampled	Monthly Average $\mu\text{g}/\text{m}^3$	Number Days Sampled	Max 24-hour Average $\mu\text{g}/\text{m}^3$	Number Days Sampled	Number of Days Exceeding Federal Standard ^{b)}		Max 24-hour Average $\mu\text{g}/\text{m}^3$
											> 35 $\mu\text{g}/\text{m}^3$	>65 $\mu\text{g}/\text{m}^3$		
LOS ANGELES COUNTY														
1	Central LA	87	0(0%)	0(0%)	5	31	5	0.01	5	3.6	29	0	0	23.9
2	Northwest Coastal LA County	91							5	4.3				
3	Southwest Coastal LA County	820	0(0%)	0(0%)	4	29								
4	South Coastal LA County 1	72	0(0%)	0(0%)	5	33	5	0.00	5	9.2	28	0	0	23.6
4	South Coastal LA County 2	77	0(0%)	0(0%)	3	29					30	0	0	23.1
6	West San Fernando Valley	74									8	0	0	17.0
7	East San Fernando Valley	69	0(0%)	0(0%)	5	39					6	0	0	19.4
8	West San Gabriel Valley	88							4	4.0	9	0	0	16.5
9	East San Gabriel Valley 1	60	0(0%)	0(0%)	5	37			5	5.5	24	0	0	28.8
9	East San Gabriel Valley 2	591												
10	Pomona/Walnut Valley	75												
11	South San Gabriel Valley	85					5	0.00	5	5.4	10	0	0	16.9
12	South Central LA County	84					5	0.01	5	7.5	10	0	0	17.0
13	Santa Clarita Valley	90	0(0%)	0(0%)	4	13								
ORANGE COUNTY														
16	North Orange County	3177												
17	Central Orange County	3176	0(0%)	0(0%)	5	17					28	0	0	23.6
18	North Coastal Orange County	3195												
19	Saddleback Valley	3812	0(0%)	0(0%)	3	23					10	0	0	13.4
RIVERSIDE COUNTY														
22	Norco/Corona	4155	0(0%)	0(0%)	5	36								
23	Metropolitan Riverside County 1	4144	2(20%)	0(0%)	10	60	5	0.00	5	5.9	30	2(7%)	0	46.3
23	Metropolitan Riverside County 2	4146					5	0.00	5	5.9	9	1(11%)	0	39.0
23	Mira Loma	5214									10	1(10%)	0	41.6
24	Perris Valley	4149	0(0%)	0(0%)	5	46								
25	Lake Elsinore	4158												
29	Banning Airport	4164	1(20%)	0(0%)	5	67								
30	Coachella Valley 1**	4137	0(0%)	0(0%)	5	38					10	0	0	17.0
30	Coachella Valley 2**	4157	3(30%)	0(0%)	10	86					10	0	0	12.9
SAN BERNARDINO COUNTY														
32	Northwest San Bernardino Valley	5175					3	0.00	3	4.7				
33	Southwest San Bernardino Valley	5817	0(0%)	0(0%)	5	48					10	0	0	33.7
34	Central San Bernardino Valley 1	5197	1(20%)	0(0%)	5	59			4	6.2	10	1(10%)	0	36.4
34	Central San Bernardino Valley 2	5203	0(0%)	0(0%)	4	23	5	0.00	5	6.8	6	1(17%)	0	40.7
35	East San Bernardino Valley	5204	1(20%)	0(0%)	5	59								
37	Central San Bernardino Mountain	5181	0(0%)	0(0%)	3	23								
38	Big Bear Lake	5818												
District maximum			3	0		86		0.01		9.2		2	0	46.3

b) U.S. EPA has revised the 24-hour federal standard level for PM2.5 from 65 $\mu\text{g}/\text{m}^3$ to 35 $\mu\text{g}/\text{m}^3$, effective December 17, 2006.

** Salton Sea Air Basin

***Special monitoring of lead near stationary sources was carried out in April 2006 and the maximum monthly average was 0.17 $\mu\text{g}/\text{m}^3$ recorded in Central Los Angeles.