

Air Quality Standards Compliance Report (AQSCR)

Statistics for March/April 2005

Vol. 18, No. 2

Published May, 2006

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.

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March and April 2005 Air Quality

Shown and summarized in the following tables are 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. Table 1 (below) summarizes the maximum concentrations recorded and location of the max during March-April 2005.

Figure 1 shows the location of the District's air monitoring stations in each source/receptor area. The number of days exceeding the state and federal standards and the maximum concentrations of the pollutants in each source/receptor area for the months of March and April 2005 are summarized in Tables 2 and 3, respectively.

California Air Resources Board has approved revising the California Ozone Standard to establish a new 8-hour average standard of 0.070 ppm which takes effect on May 17, 2006.

U.S. EPA has proposed to revise the level of the 24-hour PM_{2.5} standard to 35 µg/m³ and revise the 24-hour PM₁₀ standard by establishing a new indicator for coarse particles (particles between 2.5 and 10 µm in diameter) set at a level of 70 µg/m³.

For more information on the proposed new standards please see the January/February 2005 AQSCR.

Table 1. Maximum Concentrations Reported in March/April 2005 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	110%	88%	Several Locations
8-Hour	> 0.07 ppm	> 0.08 ppm	0.102	136%	120%	Several Locations
Carbon Monoxide						
8-Hour	> 9.0 ppm	> 9 ppm	3.00	33%	32%	South Central Los Angeles County
Nitrogen Dioxide						
1-Hour	> 0.25 ppm		0.10	38%		Northwest San Bernardino Valley
Sulfur Dioxide						
1-Hour	> 0.25 ppm		0.03	12%		South Coastal Los Angeles County
24-Hour	> 0.04 ppm	> 0.14 ppm	0.009	22%	6%	Central LA, Metropolitan Riverside County
Particulate (PM₁₀)						
24-Hour	> 50 µg/m ³	> 150 µg/m ³	102	200%	68%	Central San Bernardino Valley
Particulate (PM_{2.5})						
24-Hour		> 65 µg/m ³	73.7		113%	Central Los Angeles
Sulfates						
24-Hour	>= 25 µg/m ³		14.2	57%		West San Gabriel Valley
Lead*						
30-Day	>= 1.5 µg/m ³		0.03	2%		South San Gabriel Valley
30-Day*			0.44	29%		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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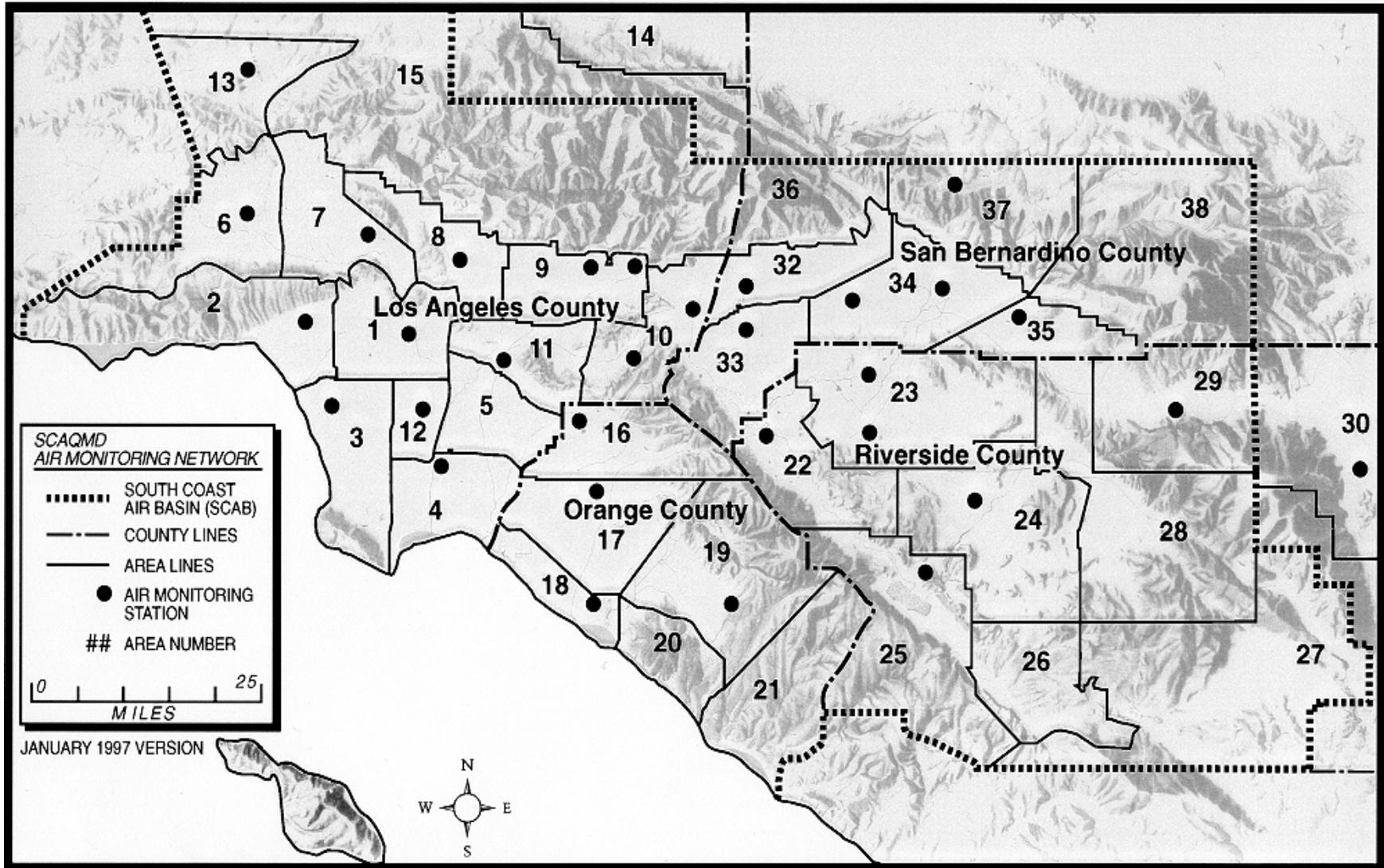


Figure 1
South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert
Air Basins and Monitoring Stations

Table 2
March 2005
Exceedances of Standards and Maximum Concentrations

No.	Location	Stn. No.	Ozone						Carbon Monoxide				Nitrogen Dioxide		Sulfur Dioxide		
			No. Days Exceeding						Days Exceeding				Days Exceeding State Std	Max 1-hour ppm	Max 24-hour ppm	Max 1-hour ppm	
			State Standard* 1-hour	Health 8-hour	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	0.06	0.050	0/0	0/0	1.50	2	0	0.09	0.009	0.01
2	Northwest Coastal LA County	91	0	0	0	0	0	0.06	0.057	0/0	0/0	1.14	2	0	0.06		
3	Southwest Coastal LA County	820	0	0	0	0	0	0.07	0.063	0/0	0/0	1.10	2	0	0.06	0.007	0.02
4	South Coastal LA County 1	72	0	0	0	0	0	0.06	0.048	0/0	0/0	2.29	3	0	0.06	0.005	0.02
4	South Coastal LA County 2	77															
6	West San Fernando Valley	74	0	0	0	0	0	0.07	0.060	0/0	0/0	2.00	2	0	0.08		
7	East San Fernando Valley	69	0	0	0	0	0	0.06	0.053	0/0	0/0	1.88	2	0	0.08	0.004	0.01
8	West San Gabriel Valley	88	0	0	0	0	0	0.06	0.048	0/0	0/0	1.00	1	0	0.09		
9	East San Gabriel Valley 1	60	0	0	0	0	0	0.07	0.052	0/0	0/0	1.63	2	0	0.09		
9	East San Gabriel Valley 2	591	0	0	0	0	0	0.07	0.055	0/0	0/0	1.63	2	0	0.09		
10	Pomona/Walnut Valley	75	0	0	0	0	0	0.07	0.057	0/0	0/0	2.00	2	0	0.07		
11	South San Gabriel Valley	85	0	0	0	0	0	0.06	0.052	0/0	0/0	1.43	2	0	0.08		
12	South Central LA County	84	0	0	0	0	0	0.05	0.047	0/0	0/0	3.00	4	0	0.09		
13	Santa Clarita Valley	90	0	0	0	0	0	0.06	0.060	0/0	0/0	1.00	2	0	0.08		
ORANGE COUNTY																	
16	North Orange County	3177	0	0	0	0	0	0.06	0.052	0/0	0/0	1.57	3	0	0.07		
17	Central Orange County	3176	0	0	0	0	0	0.07	0.060	0/0	0/0	1.14	2	0	0.06		
18	North Coastal Orange County	3195	0	0	0	0	0	0.07	0.066	0/0	0/0	1.00	1	0	0.05	0.001	0.00
19	Saddleback Valley	3812	0	0	0	0	0	0.07	0.056	0/0	0/0	1.00	1				
RIVERSIDE COUNTY																	
22	Norco/Corona	4155															
23	Metropolitan Riverside County 1	4144	0	0	0	0	0	0.07	0.065	0/0	0/0	2.00	3	0	0.06	0.008	0.01
23	Metropolitan Riverside County 2	4146								0/0	0/0	1.75	2				
24	Perris Valley	4149	0	0	0	0	0	0.06	0.048								
25	Lake Elsinore	4158	0	0	0	0	0	0.06	0.063	0/0	0/0	1.00	1	0	0.07		
29	Banning/San Geronio Pass	4164	0	0	0	0	0	0.08	0.070					0	0.06		
30	Coachella Valley 1**	4137	0	0	0	0	0	0.08	0.074	0/0	0/0	0.50	2	0	0.05		
30	Coachella Valley 2**	4157	0	0	0	0	0	0.07	0.07								
SANBERNARDINO COUNTY																	
32	Northwest San Bernardino Valley	5175	0	0	0	0	0	0.07	0.055	0/0	0/0	1.75	2	0	0.10		
33	Southwest San Bernardino Valley	5817															
34	Central San Bernardino Valley 1	5197	0	0	0	0	0	0.07	0.058	0/0	0/0	2.00	3	0	0.08	0.003	0.01
34	Central San Bernardino Valley 2	5203	0	0	0	0	0	0.07	0.062	0/0	0/0	1.00	1	0	0.07		
35	East San Bernardino Valley	5204	0	0	0	0	0	0.07	0.052								
37	Central San Bernardino Mountain	5181	0	1	0	0	0	0.08	0.076								
38	Big Bear Lake	5818															
District maximum			0	1	0	0	0	0.06	0.076	0/0	0/0	3.00	4	0	0.10	0.009	0.02

*CARB has approved revising the California Ozone Standard to establish a new 8-hour average standard of 0.07 ppm. The new standard takes effect on May 17, 2006.

** Salton Sea Air Basin.

Table 2 (continued)
March 2005
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 µg/m3	Number Days Sampled	Monthly Average µg/m3	Number Days Sampled	Max 24-hour Average µg/m3	Number Days Sampled	Number Days Exceeding Federal Standard	Max 24-hour Average µg/m3
LOS ANGELES COUNTY													
1	Central LA	87	1(20%)	0(0%)	5	70	6	0.01	6	14.2	18	2	73.7
2	Northwest Coastal LA County	91							5	11.2			
3	Southwest Coastal LA County	820	0(0%)	0(0%)	5	44	5	0.01	5	10.8			
4	South Coastal LA County 1	72	0(0%)	0(0%)	5	35	5	0.01	5	6.9	30	0	52.6
4	South Coastal LA County 2	77	0(0%)	0(0%)	5	48	5	0.01	5	6.5	31	0	45.6
6	West San Fernando Valley	74									10	0	36.4
7	East San Fernando Valley	69	1(20%)	0(0%)	5	79					9	0	63.2
8	West San Gabriel Valley	88							5	9.6	10	0	43.0
9	East San Gabriel Valley 1	60	1(25%)	0(0%)	4	76			5	8.5	30	0	51.2
9	East San Gabriel Valley 2	591											
10	Pomona/Walnut Valley	75											
11	South San Gabriel Valley	85					5	0.01	5	8.9	10	0	49.8
12	South Central LA County	84					5	0.01	5	10.9	9	0	41.0
13	Santa Clarita Valley	90	0(0%)	0(0%)	4	33							
ORANGE COUNTY													
16	North Orange County	3177											
17	Central Orange County	3176	0(0%)	0(0%)	5	44					30	0	43.4
18	North Coastal Orange County	3195											
19	Saddleback Valley	3812	0(0%)	0(0%)	5	22					10	0	16.8
RIVERSIDE COUNTY													
22	Norco/Corona	4155	0(0%)	0(0%)	4	42							
23	Metropolitan Riverside County 1	4144	3(30%)	0(0%)	10	79	5	0.01	5	4.7	29	0	63.1
23	Metropolitan Riverside County 2	4146					5	0.01	5	4.0	10	0	39.4
24	Perris Valley	4149	1(20%)	0(0%)	5	58							
25	Lake Elsinore	4158											
29	Banning/San Geronio Pass	4164	0(0%)	0(0%)	5	32							
30	Coachella Valley 1**	4137	0(0%)	0(0%)	5	29					7	0	13.9
30	Coachella Valley 2**	4157	3(33%)	0(0%)	9	95					11	0	12.6
SAN BERNARDINO COUNTY													
32	Northwest San Bernardino Valley	5175							4	0.01	4	5.3	
33	Southwest San Bernardino Valley	5817	1(20%)	0(0%)	5	64					10	0	42.3
34	Central San Bernardino Valley 1	5197	1(20%)	0(0%)	5	102					10	0	48.2
34	Central San Bernardino Valley 2	5203	1(20%)	0(0%)	5	51	5	0.01	5	3.0	9	0	43.4
35	East San Bernardino Valley	5204	0(0%)	0(0%)	4	37							
37	Central San Bernardino Mountain	5181	0(0%)	0(0%)	5	30							
38	Big Bear Lake	5818									5	0	14.3
District maximum			3	0		102		0.01		14.2		2	73.7

** Salton Sea Air Basin

***Special monitoring of lead near stationary sources was carried out in March 2005 and the maximum monthly average was 0.39 µg/m³ recorded in Central Los Angeles.

Table 3
April 2005
Exceedances of Standards and Maximum Concentrations

No.	Location	Stn. No.	Ozone						Carbon Monoxide				Nitrogen Dioxide		Sulfur Dioxide		
			No. Days Exceeding						Days Exceeding				Days Exceeding State Std	Max 1-hour ppm	Max 24-hour ppm	Max 1-hour ppm	
			State Standard* 1-hour	State Standard* 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	0.08	0.065	0/0	0/0	1.71	2	0	0.08	0.004	0.01
2	Northwest Coastal LA County	91	0	0	0	0	0	0.08	0.073	0/0	0/0	1.29	2	0	0.06		
3	Southwest Coastal LA County	820	0	1	0	0	0	0.09	0.076	0/0	0/0	1.00	2	0	0.06	0.007	0.02
4	South Coastal LA County 1	72	0	0	0	0	0	0.07	0.068	0/0	0/0	2.00	3	0	0.08	0.005	0.03
4	South Coastal LA County 2	77															
6	West San Fernando Valley	74	2	2	0	0	2	0.10	0.087	0/0	0/0	1.43	2	0	0.06		
7	East San Fernando Valley	69	1	0	0	0	0	0.10	0.075	0/0	0/0	1.43	2	0	0.07	0.001	0.00
8	West San Gabriel Valley	88	0	0	0	0	0	0.09	0.071	0/0	0/0	1.14	2	0	0.07		
9	East San Gabriel Valley 1	60	0	0	0	0	0	0.08	0.071	0/0	0/0	1.14	2	0	0.07		
9	East San Gabriel Valley 2	591	0	2	0	0	0	0.09	0.078	0/0	0/0	1.00	1	0	0.07		
10	Pomona/Walnut Valley	75	1	1	0	0	0	0.10	0.083	0/0	0/0	1.86	2	0	0.07		
11	South San Gabriel Valley	85	0	0	0	0	0	0.08	0.066	0/0	0/0	1.57	2	0	0.07		
12	South Central LA County	84	0	0	0	0	0	0.08	0.072	0/0	0/0	2.57	5	0	0.08		
13	Santa Clarita Valley	90	2	2	0	0	2	0.11	0.096	0/0	0/0	1.00	1	0	0.06		
ORANGE COUNTY																	
16	North Orange County	3177	0	0	0	0	0	0.08	0.070	0/0	0/0	1.57	3	0	0.07		
17	Central Orange County	3176	0	1	0	0	0	0.08	0.077	0/0	0/0	1.43	2	0	0.07		
18	North Coastal Orange County	3195	0	0	0	0	0	0.08	0.072	0/0	0/0	1.14	2	0	0.06	0.002	0.01
19	Saddleback Valley	3812	1	1	0	0	0	0.11	0.081	0/0	0/0	1.00	1				
RIVERSIDE COUNTY																	
22	Norco/Corona	4155															
23	Metropolitan Riverside County 1	4144	2	4	0	0	2	0.11	0.102	0/0	0/0	1.57	3	0	0.06	0.009	0.01
23	Metropolitan Riverside County 2	4146								0/0	0/0	1.50	3				
24	Perris Valley	4149	0	1	0	0	0	0.09	0.078								
25	Lake Elsinore	4158	0	2	0	0	0	0.09	0.077	0/0	0/0	0.57	1	0	0.04		
29	Banning/San Geronio Pass	4164	0	3	0	0	1	0.09	0.085					0	0.06		
30	Coachella Valley 1**	4137	0	3	0	0	0	0.09	0.080	0/0	0/0	0.29	1	0	0.04		
30	Coachella Valley 2**	4157	0	1	0	0	0	0.08	0.076								
SANBERNARDINO COUNTY																	
32	Northwest San Bernardino Valley	5175	0	1	0	0	0	0.09	0.080	0/0	0/0	1.38	2	0	0.07		
33	Southwest San Bernardino Valley	5817															
34	Central San Bernardino Valley 1	5197	1	2	0	0	1	0.10	0.091	0/0	0/0	1.33	2	0	0.07	0.001	0.01
34	Central San Bernardino Valley 2	5203	1	2	0	0	1	0.10	0.093	0/0	0/0	1.25	2	0	0.07		
35	East San Bernardino Valley	5204	1	1	0	0	1	0.10	0.090								
37	Central San Bernardino Mountain	5181	3	5	0	0	2	0.11	0.102								
38	Big Bear Lake	5818															
District maximum			3	5	0	0	2	0.11	0.102	0/0	0/0	2.57	5	0	0.08	0.009	0.03

*CARB has approved revising the California Ozone Standard to establish a new 8-hour average standard of 0.07 ppm. The new standard takes effect effective on May 17, 2006.

** Salton Sea Air Basin.

Table 3 (continued)
April 2005
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 µg/m3	Number Days Sampled	Monthly Average µg/m3	Number Days Sampled	Max 24-hour Average µg/m3	Number Days Sampled	Exceeding Federal Standard	Max 24-hour Average µg/m3
LOS ANGELES COUNTY													
1	Central LA	87	0(0%)	0(0%)	5	37	5	0.02	5	6.3	26	0	31.9
2	Northwest Coastal LA County	91							5	5.0			
3	Southwest Coastal LA County	820	0(0%)	0(0%)	5	30	5	0.01	5	5.5			
4	South Coastal LA County 1	72	0(0%)	0(0%)	5	40	4	0.01	5	6.8	30	0	19.5
4	South Coastal LA County 2	77	1(25%)	0(0%)	4	60	5	0.01	5	8.7	27	0	17.1
6	West San Fernando Valley	74									10	0	20.6
7	East San Fernando Valley	69	0(0%)	0(0%)	5	39					10	0	18.0
8	West San Gabriel Valley	88							5	4.6	10	0	17.9
9	East San Gabriel Valley 1	60	1(20%)	0(0%)	5	53			5	5.5	29	0	23.2
9	East San Gabriel Valley 2	591											
10	Pomona/Walnut Valley	75											
11	South San Gabriel Valley	85					4	0.03	4	6.9	9	0	19.9
12	South Central LA County	84					4	0.01	4	6.9	7	0	23.9
13	Santa Clarita Valley	90	0(0%)	0(0%)	5	35							
ORANGE COUNTY													
16	North Orange County	3177											
17	Central Orange County	3176	0(0%)	0(0%)	5	36					28	0	18.0
18	North Coastal Orange County	3195											
19	Saddleback Valley	3812	0(0%)	0(0%)	4	26					10	0	13.7
RIVERSIDE COUNTY													
22	Norco/Corona	4155	1(20%)	0(0%)	5	64							
23	Metropolitan Riverside County 1	4144	4(40%)	0(0%)	10	96	5	0.01	5	5.4	29	0	37.2
23	Metropolitan Riverside County 2	4146					5	0.01	5	5.3	9	0	30.0
24	Perris Valley	4149	2(40%)	0(0%)	5	64							
25	Lake Elsinore	4158											
29	Banning/San Geronio Pass	4164	0(0%)	0(0%)	5	38							
30	Coachella Valley 1**	4137	1(20%)	0(0%)	5	64					10	0	11.7
30	Coachella Valley 2**	4157	6(67%)	0(0%)	9	90					9	0	14.3
SANBERNARDINO COUNTY													
32	Northwest San Bernardino Valley	5175					4	0.01	4	5.2			
33	Southwest San Bernardino Valley	5817	3(60%)	0(0%)	5	76					9	0	25.1
34	Central San Bernardino Valley 1	5197	2(40%)	0(0%)	5	79			5	5.9	9	0	24.3
34	Central San Bernardino Valley 2	5203	2(40%)	0(0%)	5	61	5	0.01	5	4.7	10	0	25.3
35	East San Bernardino Valley	5204	0(0%)	0(0%)	5	48							
37	Central San Bernardino Mountain	5181	0(0%)	0(0%)	5	34							
38	Big Bear Lake	5818									5	0	22.0
District maximum			6	0		96		0.03		8.7		0	37.2

** Salton Sea Air Basin

***Special monitoring of lead near stationary sources was carried out in April 2005 and the maximum monthly average was 0.44 µg/m³ recorded in Central Los Angeles.