

Air Quality Standards Compliance Report

Statistics for March/April 2003

Vol. 16, No.2

Published December, 2003

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 2003 Air Quality

Air quality statistics in 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 figures and tables.

Table 1 below shows the state and federal ambient air quality standards for criteria pollutants, the maximum concentrations recorded during March/April 2003 and the location where the maximum concentration was recorded.

Beginning with the January 2003 issue, Air Quality Standards Compliance Reports (AQSCRs) will be published bimonthly in accordance with the above Health and Safety Code: "Once every two months and annually, the south coast district shall report on the number of days and locations the federal and state ambient air quality standards were exceeded...." The tables showing statistics for each individual month are included at the end of each report.

Table 1. Maximum Concentrations Reported in March/April 2003 Compared to the Ambient Air Quality Standards

Pollutant Averaging Time	Criteria Pollutants'		Maximum Concentrations			
	Air Quality Standards		ppm/ µg/m ³	% State Standard	% Federal Standard	Location
	State	Federal				
Ozone 1-Hour 8-Hour	> 0.09 ppm	> 0.12 ppm > 0.08 ppm	0.10 0.082	100%	80% 96%	Saddleback Valley Central San Bernardino Mountains
Carbon Monoxide 8-Hour	> 9.0 ppm	> 9 ppm	4.00	44%	42%	South Central Los Angeles County
Nitrogen Dioxide 1-Hour 24-Hour	> 0.25 ppm		0.09 0.065	35%		Several Locations East San Fernando Valley
Sulfur Dioxide 1-Hour 24-Hour	> 0.25 ppm > 0.04 ppm	> 0.14 ppm	0.03 0.005	12% 12%	4%	Central Los Angeles and Southwest Coastal L.A. County South Coastal L.A. County
Particulate (PM10) 24-Hour	> 50 µg/m ³	> 150 µg/m ³	96	188%	64%	Central Orange County
Particulate (PM2.5) 24-Hour		> 65 µg/m ³	59.9		91%	Metropolitan Riverside County
Sulfates 24-Hour	>= 25 µg/m ³		7.2	29%		Southwest Coastal L.A. County
Lead* 30-Day 30-Day*	>= 1.5 µg/m ³		0.31	21%		Central Los Angeles

* Due to the technical difficulties, there is no data available for the lead concentrations at the regular monitoring sites. Higher lead concentrations recorded at special monitoring sites in the immediate vicinity of major lead sources are reported.



South Coast Air Quality Management District
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Figure 1 shows the maximum pollutant concentrations recorded in March - April 2003 as percentages of the state and federal ambient air quality standards.

During March and April, 2003, the concentrations of carbon monoxide, nitrogen dioxide, sulfur dioxide, PM2.5, sulfate, and lead were within state and federal air quality standards at all locations monitored by the District. Ozone concentrations exceeded the state standard at one location on one day in March, while meeting the federal standard at all locations monitored in March and April. PM10 concentrations met the federal standard at all locations, while exceeding the more stringent state standard at some locations during March and April.

Figure 2 shows the location of the District's air monitoring stations in each source/receptor area. The source/receptor area names and numbers, air monitoring station numbers, 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 2003 are summarized in Tables 2 and 3, respectively.

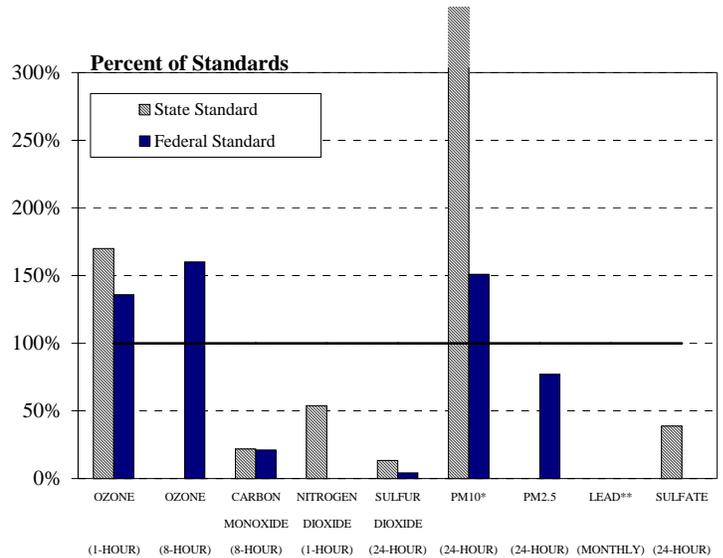


Figure 1
 Maximum Concentrations as Percent of State and Federal Standards for March and April 2003

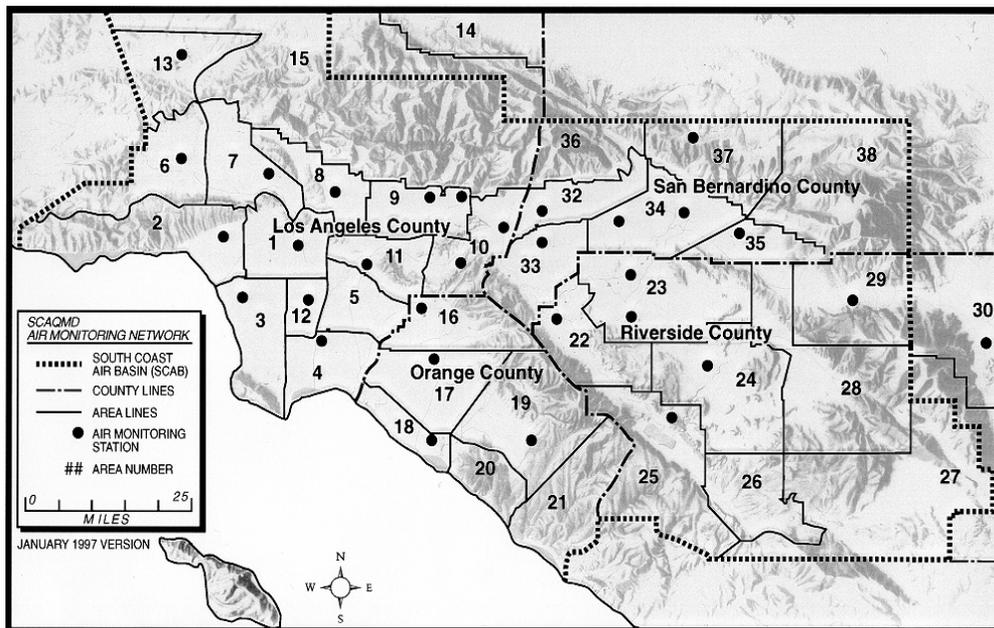


Figure 3
 South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert Air Basins and Monitoring Stations

Table 2
March 2003
Exceedances of Standards and Maximum Concentrations

Source/Receptor		Ozone						Carbon Monoxide				Nitrogen Dioxide		Sulfur Dioxide	
		Days Exceeding State Std	Days Exceeding Health Advisory	Days Exceeding Fed Std	Max 1-hr ppm	Max 8-hr ppm	Days Exceeding State Std	Days Exceeding Fed Std	Max 8-hr ppm	Max 1-hr ppm	Days Exceeding State Std	Max 1-hr ppm	Max 24-hr ppm	Max 1-hr ppm	
				1-hr	8-hr		8-hr/1-hr	8-hr/1-hr							
LOS ANGELES COUNTY															
1	Central LA	087	0	0	0	0.09	0.058	0/0	0/0	2.29	3	0	0.08	0.002	0.03
2	Northwest Coastal LA County	091	0	0	0	0.09	0.067	0/0	0/0	2.29	3	0	0.08		
3	Southwest Coastal LA County	094	0	0	0	0.08	0.060	0/0	0/0	3.14	5	0	0.09	0.002	0.03
4	South Coastal LA County	072	0	0	0	0.08	0.061	0/0	0/0	1.86	3	0	0.06	0.005	0.02
6	West San Fernando Valley	074	0	0	0	0.09	0.067	0/0	0/0	2.00	3	0	0.08		
7	East San Fernando Valley	069	0	0	0	0.08	0.063	0/0	0/0	2.14	3	0	0.09	0.001	0.01
8	West San Gabriel Valley	088	0	0	0	0.08	0.066	0/0	0/0	2.57	3	0	0.09		
9	East San Gabriel Valley 1	060	0	0	0	0.08	0.067	0/0	0/0	1.86	3	0	0.08		
9	East San Gabriel Valley 2	591	0	0	0	0.08	0.068	0/0	0/0	1.43	2	0	0.07		
10	Pomona/Walnut Valley	075	0	0	0	0.07	0.060	0/0	0/0	2.00	3	0	0.08		
11	South San Gabriel Valley	085	0	0	0	0.08	0.060	0/0	0/0	2.14	3	0	0.08		
12	South Central LA County 1	084	0	0	0	0.06	0.046	0/0	0/0	4.00	7	0	0.08		
13	Santa Clarita Valley	090	0	0	0	0.09	0.073	0/0	0/0	1.00	2	0	0.07		
ORANGE COUNTY															
16	North Orange County	3177	0	0	0	0.08	0.060	0/0	0/0	2.17	4	0	0.06		
17	Central Orange County	3176	0	0	0	0.08	0.058	0/0	0/0	1.71	3	0	0.07		
18	North Coastal Orange County	3195	0	0	0	0.09	0.071	0/0	0/0	1.86	2	0	0.06	0.001	0.01
19	Saddleback Valley	3812	1	0	0	0.10	0.081	0/0	0/0	0.88	2				
RIVERSIDE COUNTY															
22	Norco/Corona	4155													
23	Metropolitan Riverside County 1	4144	0	0	0	0.09	0.067	0/0	0/0	2.00	3	0	0.06	0.001	0.00
23	Metropolitan Riverside County 2	4146													
24	Perris Valley	4149	0	0	0	0.08	0.063								
25	Lake Elsinore	4158	0	0	0	0.09	0.072	0/0	0/0	1.33	2	0	0.08		
29	Banning Airport	4164	0	0	0	0.09	0.078					0	0.07		
30	Coachella Valley 1**	4137	0	0	0	0.09	0.076	0/0	0/0	1.00	1	0	0.05		
30	Coachella Valley 2**	4157	0	0	0	0.08	0.075								
SAN BERNARDINO COUNTY															
32	Northwest San Bernardino Valley	5175	0	0	0	0.07	0.053	0/0	0/0	1.00	2	0	0.09		
33	Southwest San Bernardino Valley	5817													
34	Central San Bernardino Valley 1	5197	0	0	0	0.08	0.063					0	0.08	0.001	0.00
34	Central San Bernardino Valley 2	5203	0	0	0	0.07	0.055	0/0	0/0	2.17	3	0	0.07		
35	East San Bernardino Valley	5204	0	0	0	0.07	0.063								
37	Central San Bernardino Mountains	5181	0	0	0	0.08	0.072								
District maximum			1	0	0	0.10	0.081	0/0	0/0	4.00	7	0	0.09	0.005	0.03

** Salton Sea Air Basin

Table 2 - continued
 March 2003
 Exceedances of Standards and Maximum Concentrations

Source/Receptor		PM10				Lead***		Sulfate		PM2.5		
		No. (%) Days Exceeding State Standard	No. (%) Days Exceeding Federal Standard	Number Days Sampled	Max 24-hr Average	Number Days Sampled	Monthly Average ug/m3	Number Days Sampled	Maximum 24-hr Average ug/m3	Number Days Sampled	Number days Exceeding Federal Standard	Maximum 24-hr Conc. ug/m3
LOS ANGELES COUNTY												
1	Central LA	087	0(0%)	0(0%)	5	43		5	3.6	28	0	50.1
2	Northwest Coastal LA County	091						5	4.4			
3	Southwest Coastal LA County	094	0(0%)	0(0%)	5	50		5	5.8			
4	South Coastal LA County	072	1(20%)	0(0%)	5	63		5	5.5	28	0	46.5
6	West San Fernando Valley	074								11	0	36.4
7	East San Fernando Valley	069	0(0%)	0(0%)	5	33				11	0	52.4
8	West San Gabriel Valley	088						5	2.6	11	0	45.6
9	East San Gabriel Valley 1	060	0(0%)	0(0%)	5	50		3	2.8	30	0	50.0
9	East San Gabriel Valley 2	591										
10	Pomona/Walnut Valley	075										
11	South San Gabriel Valley	085						4	3.6	11	0	42.2
12	South Central LA County 1	084						6	4.9	11	0	45.3
13	Santa Clarita Valley	090	0(0%)	0(0%)	5	29						
ORANGE COUNTY												
16	North Orange County	3177										
17	Central Orange County	3176	1(20%)	0(0%)	5	96				29	0	38.9
18	North Coastal Orange County	3195										
19	Saddleback Valley	3812	0(0%)	0(0%)	5	36				11	0	23.2
RIVERSIDE COUNTY												
22	Norco/Corona	4155	2(33%)	0(0%)	6	54						
23	Metropolitan Riverside County 1	4144	3(33%)	0(0%)	9	82		4	4.2	29	0	59.9
23	Metropolitan Riverside County 2	4146						5	2.8	11	0	59.5
24	Perris Valley	4149	1(20%)	0(0%)	5	63						
25	Lake Elsinore	4158										
29	Banning Airport	4164	0(0%)	0(0%)	5	33						
30	Coachella Valley 1**	4137	0(0%)	0(0%)	5	26				11	0	15.3
30	Coachella Valley 2**	4157	1(9%)	0(0%)	11	56				11	0	19.0
SAN BERNARDINO COUNTY												
32	Northwest San Bernardino Valley	5175						5	3.1			
33	Southwest San Bernardino Valley	5817	2(40%)	0(0%)	5	53				9	0	51.8
34	Central San Bernardino Valley 1	5197	0(0%)	0(0%)	2	14		5	3.8	11	0	53.6
34	Central San Bernardino Valley 2	5203	1(20%)	0(0%)	5	54		5	2.6	11	0	58.4
35	East San Bernardino Valley	5204	0(0%)	0(0%)	3	44						
37	Central San Bernardino Mountains	5181	0(0%)	0(0%)	4	37						
District maximum			3	0		96			5.8		0	59.9

** Salton Sea Air Basin

***Due to the technical difficulties, currently there is no data available for the lead concentrations at the regular monitoring sites. Special monitoring of lead near stationary sources was carried out in March 2003 and the maximum monthly average was 0.27 ug/m3.

Table 3
 April 2003
 Exceedances of Standards and Maximum Concentrations

Source/Receptor		Ozone						Carbon Monoxide				Nitrogen Dioxide		Sulfur Dioxide	
		Days Exceeding State Std	Days Exceeding Health Advisory	Days Exceeding Fed Std	Max 1-hr ppm	Max 8-hr ppm	Days Exceeding State Std	Days Exceeding Fed Std	Max 8-hr ppm	Max 1-hr ppm	Days Exceeding State Std	Max 1-hr ppm	Max 24-hr ppm	Max 1-hr ppm	
LOS ANGELES COUNTY															
1	Central LA	087	0	0	0	0.07	0.060	0/0	0/0	1.63	2	0	0.07	0.001	0.01
2	Northwest Coastal LA County	091	0	0	0	0.08	0.063	0/0	0/0	1.57	3	0	0.08		
3	Southwest Coastal LA County	094	0	0	0	0.06	0.055	0/0	0/0	2.57	4	0	0.08	0.002	0.01
4	South Coastal LA County	072	0	0	0	0.07	0.055	0/0	0/0	1.86	3	0	0.09	0.003	0.02
6	West San Fernando Valley	074	0	0	0	0.08	0.075	0/0	0/0	1.43	2	0	0.07		
7	East San Fernando Valley	069	0	0	0	0.08	0.068	0/0	0/0	1.43	2	0	0.07	0.001	0.00
8	West San Gabriel Valley	088	0	0	0	0.08	0.066	0/0	0/0	1.63	2	0	0.07		
9	East San Gabriel Valley 1	060	0	0	0	0.07	0.066	0/0	0/0	1.14	2	0	0.06		
9	East San Gabriel Valley 2	591	0	0	0	0.07	0.066	0/0	0/0	1.00	1	0	0.05		
10	Pomona/Walnut Valley	075	0	0	0	0.07	0.065	0/0	0/0	1.57	3	0	0.07		
11	South San Gabriel Valley	085	0	0	0	0.07	0.058	0/0	0/0	1.71	2	0	0.08		
12	South Central LA County 1	084	0	0	0	0.05	0.041	0/0	0/0	3.29	6	0	0.08		
13	Santa Clarita Valley	090	0	0	0	0.09	0.076	0/0	0/0	0.90	2	0	0.06		
ORANGE COUNTY															
16	North Orange County	3177	0	0	0	0.07	0.058	0/0	0/0	1.86	5	0	0.08		
17	Central Orange County	3176	0	0	0	0.07	0.061	0/0	0/0	1.71	3	0	0.06		
18	North Coastal Orange County	3195	0	0	0	0.08	0.067	0/0	0/0	1.29	2	0	0.07	0.002	0.01
19	Saddleback Valley	3812	0	0	0	0.09	0.072	0/0	0/0	0.63	2				
RIVERSIDE COUNTY															
22	Norco/Corona	4155													
23	Metropolitan Riverside County 1	4144	0	0	0	0.08	0.065	0/0	0/0	1.43	2	0	0.06	0.001	0.00
23	Metropolitan Riverside County 2	4146													
24	Perris Valley	4149	0	0	0	0.08	0.066								
25	Lake Elsinore	4158	0	0	0	0.08	0.073	0/0	0/0	0.71	1	0	0.04		
29	Banning Airport	4164	0	0	0	0.09	0.076					0	0.07		
30	Coachella Valley 1**	4137	0	0	0	0.08	0.077	0/0	0/0	1.71	3	0	0.05		
30	Coachella Valley 2**	4157	0	0	0	0.09	0.080								
SAN BERNARDINO COUNTY															
32	Northwest San Bernardino Valley	5175	0	0	0	0.06	0.055	0/0	0/0	0.57	2	0	0.07		
33	Southwest San Bernardino Valley	5817													
34	Central San Bernardino Valley 1	5197	0	0	0	0.08	0.070					0	0.05	0.001	0.01
34	Central San Bernardino Valley 2	5203	0	0	0	0.06	0.056	0/0	0/0	1.33	2	0	0.06		
35	East San Bernardino Valley	5204	0	0	0	0.08	0.072								
37	Central San Bernardino Mountains	5181	0	0	0	0.09	0.082								
District maximum			0	0	0	0.09	0.082	0/0	0/0	3.29	6	0	0.09	0.003	0.02

** Salton Sea Air Basin

Table 2 - continued
 Ap3il 2003
 Exceedances of Standards and Maximum Concentrations

Source/Receptor		PM10				Lead***		Sulfate		PM2.5		
		No. (%) Days Exceeding State Standard	No. (%) Days Exceeding Federal Standard	Number Days Sampled	Max 24-hr Average	Number Days Sampled	Monthly Average ug/m3	Number Days Sampled	Maximum 24-hr Average ug/m3	Number Days Sampled	Number days Exceeding Federal Standard	Maximum 24-hr Conc. ug/m3
LOS ANGELES COUNTY												
1	Central LA	087	0(0%)	0(0%)	5	33		5	5.0	29	0	22.0
2	Northwest Coastal LA County	091						5	5.2			
3	Southwest Coastal LA County	094	0(0%)	0(0%)	5	34		5	7.2			
4	South Coastal LA County	072	0(0%)	0(0%)	5	37		5	6.0	28	0	18.1
6	West San Fernando Valley	074								10	0	9.5
7	East San Fernando Valley	069	0(0%)	0(0%)	4	32				10	0	11.0
8	West San Gabriel Valley	088						4	3.7	9	0	9.7
9	East San Gabriel Valley 1	060	0(0%)	0(0%)	5	39		5	3.7	24	0	23.0
9	East San Gabriel Valley 2	591										
10	Pomona/Walnut Valley	075										
11	South San Gabriel Valley	085						5	4.5	9	0	14.9
12	South Central LA County 1	084						5	5.0	9	0	19.0
13	Santa Clarita Valley	090	0(0%)	0(0%)	5	25						
ORANGE COUNTY												
16	North Orange County	3177										
17	Central Orange County	3176	0(0%)	0(0%)	5	38				25	0	16.4
18	North Coastal Orange County	3195										
19	Saddleback Valley	3812	0(0%)	0(0%)	4	25				8	0	7.8
RIVERSIDE COUNTY												
22	Norco/Corona	4155	1(20%)	0(0%)	5	51						
23	Metropolitan Riverside County 1	4144	1(11%)	0(0%)	9	59		5	3.6	26	0	28.6
23	Metropolitan Riverside County 2	4146						5	3.2	10	0	18.2
24	Perris Valley	4149	0(0%)	0(0%)	5	43						
25	Lake Elsinore	4158										
29	Banning Airport	4164	0(0%)	0(0%)	5	24						
30	Coachella Valley 1**	4137	0(0%)	0(0%)	5	25				10	0	9.8
30	Coachella Valley 2**	4157	4(40%)	0(0%)	10	80				10	0	9.9
SAN BERNARDINO COUNTY												
32	Northwest San Bernardino Valley	5175						5	3.6			
33	Southwest San Bernardino Valley	5817	0(0%)	0(0%)	5	42				10	0	15.0
34	Central San Bernardino Valley 1	5197	0(0%)	0(0%)	3	31		5	3.9	8	0	15.3
34	Central San Bernardino Valley 2	5203	0(0%)	0(0%)	4	48		5	3.9	10	0	20.8
35	East San Bernardino Valley	5204	0(0%)	0(0%)	5	38						
37	Central San Bernardino Mountains	5181	0(0%)	0(0%)	5	28						
District maximum			4	0		80			7.2		0	28.6

** Salton Sea Air Basin

*** Due to the technical difficulties, currently there is no data available for the lead concentrations at the regular monitoring sites. Special monitoring of lead near stationary sources was carried out in April 2003 and the maximum monthly average was 0.31 ug/m3.