

Air Quality Standards Compliance Report

Statistics for July/August 2004

Vol. 17, No. 4

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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.

Based on the "Review of the California Ambient Air Quality Standards for Ozone," the staff of California Air Resources Board is considering revising the California Ozone Standard to establish a new 8-hour average standard of 0.070 ppm in order to adequately protect public health, including infant and children.

July and August 2004 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 July and August are shown and summarized in the following figures and tables.

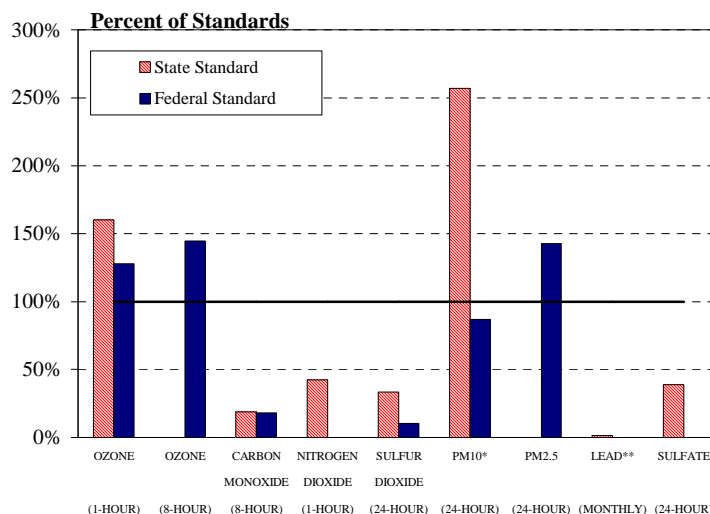
Figure 1 shows the maximum pollutant concentrations recorded during July - August 2004 as percentages of the state and federal ambient air quality standards.

Table 1 (on page 2) shows the state and federal ambient air quality standards for criteria pollutants, the maximum concentrations recorded during July/August 2004 and the location where the maximum concentration was recorded.

During July and August, 2004, the concentrations of carbon monoxide, nitrogen dioxide, sulfur dioxide, sulfate, and lead were within state and federal air quality standards at all locations monitored by the District. Ozone concentrations exceeded the state

and federal standards at most locations. PM10 concentrations met the federal standard at all locations monitored in the District, while exceeding the state standard at most locations. PM2.5 concentrations exceeded the federal standard at a few locations on one day in July.

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 July and August 2004 are summarized in Tables 2 and 3, respectively.



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

Figure 1
Maximum Concentrations as Percent of State and Federal Standards for July and August 2004



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

Table 1. Maximum Concentrations Reported in July/August 2004 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 8-Hour	> 0.09 ppm	> 0.12 ppm > 0.08 ppm	0.16 0.123	160%	128% 145%	Banning Airport East San Bernardino Valley and Central San Bernardino Mountains
Carbon Monoxide 8-Hour	> 9.0 ppm	> 9 ppm	1.71	19%	18%	Central Los Angeles
Nitrogen Dioxide 1-Hour 24-Hour	> 0.25 ppm		0.11 0.059	42%		East San Gabriel Valley Pomona/Walnut Valley
Sulfur Dioxide 1-Hour 24-Hour	> 0.25 ppm > 0.04 ppm	> 0.14 ppm	0.06 0.015	23% 37%	11%	Central Los Angeles South Coastal Los Angeles County
Particulate (PM10) 24-Hour	> 50 µg/m ³	> 150 µg/m ³	131	257%	87%	Metropolitan Riverside County
Particulate (PM2.5) 24-Hour		> 65 µg/m ³	93.4		143%	Central San Bernardino Valley
Sulfates 24-Hour	>= 25 µg/m ³		9.7	39%		South Coastal Los Angeles County
Lead 30-Day 30-Day*	>= 1.5 µg/m ³		0.02 0.59*	1% 39%		Several Locations Southeast Los Angeles County

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

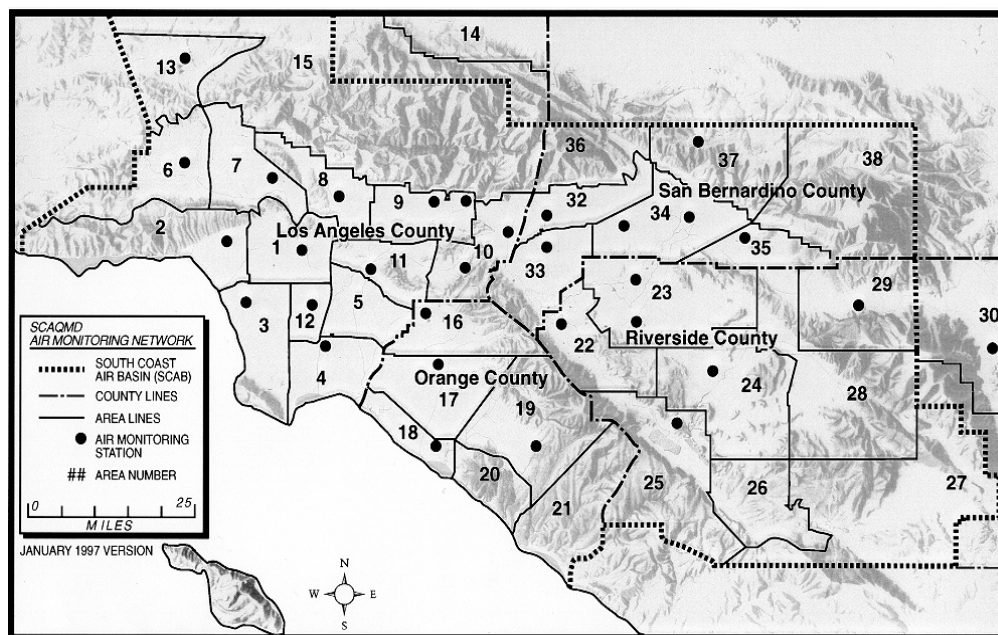


Figure 3
 South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert
 Air Basins and Monitoring Stations

**Table 2
July 2004
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 Std* 1-hour	8-hour	Health Advisory	Federal Standard 1-hour	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	0.09	0.07	0/0	0/0	1.71	2	0	0.10	0.004	0.06
2	Northwest Coastal LA County	91	0	0	0	0	0	0.09	0.068	0/0	0/0	1.14	2	0	0.05		
3	Southwest Coastal LA County	94															
4	South Coastal LA County	72	0	0	0	0	0	0.07	0.052	0/0	0/0	1.00	1	0	0.05	0.012	0.02
6	West San Fernando Valley	74	12	12	0	0	3	0.12	0.091	0/0	0/0	1.00	1	0	0.05		
7	East San Fernando Valley	69	7	8	0	0	3	0.12	0.09	0/0	0/0	1.14	2	0	0.08	0.002	0.01
8	West San Gabriel Valley	88	6	6	0	0	1	0.11	0.086	0/0	0/0	1.00	1	0	0.07		
9	East San Gabriel Valley 1	60	7	5	0	0	4	0.12	0.09	0/0	0/0	1.00	1	0	0.06		
9	East San Gabriel Valley 2	591	8	8	0	1	4	0.13	0.095	0/0	0/0	1.00	1	0	0.06		
10	Pomona/Walnut Valley	75	7	6	0	2	4	0.13	0.095	0/0	0/0	1.43	2	0	0.07		
11	South San Gabriel Valley	85	0	0	0	0	0	0.09	0.07	0/0	0/0	1.14	2	0	0.06		
12	South Central LA County	84	0	0	0	0	0	0.06	0.052	0/0	0/0	1.50	2	0	0.06		
13	Santa Clarita Valley	90	15	16	0	2	11	0.13	0.106	0/0	0/0	1.00	2	0	0.06		
ORANGE COUNTY																	
16	North Orange County	3177	0	0	0	0	0	0.08	0.065	0/0	0/0	1.00	1	0	0.05		
17	Central Orange County	3176	0	3	0	0	0	0.09	0.078	0/0	0/0	0.57	1	0	0.04		
18	North Coastal Orange County	3195	0	0	0	0	0	0.07	0.058	0/0	0/0	0.57	1	0	0.03	0.002	0.01
19	Saddleback Valley	3812	0	0	0	0	0	0.09	0.073	0/0	0/0	0.14	1				
RIVERSIDE COUNTY																	
22	Norco/Corona	4155															
23	Metropolitan Riverside County 1	4144	13	16	0	3	8	0.14	0.113	0/0	0/0	1.00	2	0	0.05		
23	Metropolitan Riverside County 2	4146								0/0	0/0	1.13	2				
24	Perris Valley	4149	7	10	0	0	5	0.11	0.097								
25	Lake Elsinore	4158	11	14	0	1	6	0.13	0.115	0/0	0/0	0.71	1	0	0.06		
29	Banning/San Gorgonio Pass	4164	17	23	0	2	13	0.13	0.115					0	0.06		
30	Coachella Valley 1**	4137	11	20	0	0	9	0.12	0.107	0/0	0/0	0.57	1	0	0.04		
30	Coachella Valley 2**	4157	3	10	0	0	2	0.1	0.095								
SANBERNARDINO COUNTY																	
32	Northwest San Bernardino Valley	5175	7	7	0	3	5	0.14	0.106	0/0	0/0	1.14	2	0	0.07		
33	Southwest San Bernardino Valley	5817															
34	Central San Bernardino Valley 1	5197	11	11	1	4	7	0.15	0.121	0/0	0/0	1.29	2	0	0.08	0.001	0.01
34	Central San Bernardino Valley 2	5203	11	12	1	4	6	0.15	0.122	0/0	0/0	1.00	1	0	0.08		
35	East San Bernardino Valley	5204	18	20	0	4	13	0.14	0.121								
37	Central San Bernardino Mountain	5181	14	21	0	1	14	0.13	0.112								
38	Big Bear Lake	5818															
District maximum			18	23	1	4	14	0.15	0.122	0/0	0/0	1.71	2	0	0.10	0.012	0.06

* Air Resources Board has proposed revising the California Ozone Standard to establish a new 8-hour average standard of 0.07 ppm.

** Salton Sea air basin at this time.

Table 2 (continued)
July 2004
Exceedances of Standards and Maximum Concentrations

No.	Location	Stn. No.	PM10		Lead***		Sulfate		PM2.5				
			No. (%) Days Exceeding State Std	Federal Std	Number Days Sampled	Max 24-hour Average ug/m3	Number Days Sampled	Monthly Average ug/m3	Number Days Sampled	Max 24-hour Average ug/m3	Number Days Exceeding Federal Standard	Max 24-hour Average ug/m3	
LOS ANGELES COUNTY													
1	Central LA	87	0(0%)	0(0%)	5	38	5	0.02	5	7.5	28	0	31.9
2	Northwest Coastal LA County	91							5	7.1			
3	Southwest Coastal LA County	94											
4	South Coastal LA County	72	0(0%)	0(0%)	5	34	4	0.01	5	8.2	28	0	26.5
6	West San Fernando Valley	74									9	0	18.5
7	East San Fernando Valley	69	0(0%)	0(0%)	5	40					9	0	33.5
8	West San Gabriel Valley	88							4	7.7	9	0	46.5
9	East San Gabriel Valley 1	60	1(25%)	0(0%)	4	53			5	5.8	31	1	75.6
9	East San Gabriel Valley 2	591											
10	Pomona/Walnut Valley	75											
11	South San Gabriel Valley	85					5	0.02	5	6.7	9	0	42.6
12	South Central LA County	84					3	0.01	3	7.4	10	0	30.5
13	Santa Clarita Valley	90	0(0%)	0(0%)	5	49							
ORANGE COUNTY													
16	North Orange County	3177											
17	Central Orange County	3176	0(0%)	0(0%)	4	29					30	0	35.2
18	North Coastal Orange County	3195											
19	Saddleback Valley	3812	0(0%)	0(0%)	4	25					10	0	14.1
RIVERSIDE COUNTY													
22	Norco/Corona	4155	0(0%)	0(0%)	4	43							
23	Metropolitan Riverside County 1	4144	10(100%)	0(0%)	10	131	5	0.01	5	6.8	31	1	77.1
23	Metropolitan Riverside County 2	4146					5	0.01	5	5.5	10	0	51
24	Perris Valley	4149	1(20%)	0(0%)	5	56							
25	Lake Elsinore	4158											
29	Banning/San Gorgonio Pass	4164	1(20%)	0(0%)	5	82							
30	Coachella Valley 1**	4137	0(0%)	0(0%)	5	37					9	0	27.1
30	Coachella Valley 2**	4157	1(10%)	0(0%)	10	72					8	0	11.9
SANBERNARDINO COUNTY													
32	Northwest San Bernardino Valley	5175					5	0.02	5	4.9			
33	Southwest San Bernardino Valley	5817	1(20%)	0(0%)	5	53					10	1	77.5
34	Central San Bernardino Valley 1	5197	5(100%)	0(0%)	5	86			5	6.7	7	0	21
34	Central San Bernardino Valley 2	5203	3(75%)	0(0%)	4	73	5	0.02	5	5.7	9	1	93.4
35	East San Bernardino Valley	5204	4(80%)	0(0%)	5	61							
37	Central San Bernardino Mountain	5181	0(0%)	0(0%)	4	47							
38	Big Bear Lake	5818									3	0	13
District maximum			10	0		131		0.02		8.2		1	93.4

** Salton Sea air basin

***Special monitoring of lead near stationary sources was carried out in July 2004 and the maximum monthly average was 0.59 µg/m³.

Table 3
August 2004
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 Std* 1-hour	8-hour	Health Advisory	Federal Standard 1-hour	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	1	1	0	0	0	0.11	0.078	0/0	0/0	1.71	2	0	0.10	0.002	0.01
2	Northwest Coastal LA County	91	0	1	0	0	0	0.09	0.078	0/0	0/0	1.00	1	0	0.05		
3	Southwest Coastal LA County	94															
4	South Coastal LA County	72	0	0	0	0	0	0.07	0.060	0/0	0/0	0.29	1	0	0.06	0.015	0.03
6	West San Fernando Valley	74	15	17	0	1	12	0.13	0.110	0/0	0/0	1.29	2	0	0.08		
7	East San Fernando Valley	69	4	6	0	0	1	0.11	0.088	0/0	0/0	1.29	2	0	0.08	0.003	0.01
8	West San Gabriel Valley	88	4	6	0	0	2	0.12	0.090	0/0	0/0	1.57	2	0	0.09		
9	East San Gabriel Valley 1	60	7	4	0	0	1	0.12	0.087	0/0	0/0	1.29	2	0	0.08		
9	East San Gabriel Valley 2	591	9	6	0	0	4	0.12	0.090	0/0	0/0	1.00	1	0	0.11		
10	Pomona/Walnut Valley	75	6	4	0	0	3	0.12	0.093	0/0	0/0	1.71	3	0	0.09		
11	South San Gabriel Valley	85	1	1	0	0	0	0.10	0.076	0/0	0/0	1.43	2	0	0.09		
12	South Central LA County	84	0	0	0	0	0	0.08	0.065	0/0	0/0	1.57	2	0	0.05		
13	Santa Clarita Valley	90	19	20	0	5	17	0.14	0.113	0/0	0/0	1.00	1	0	0.06		
ORANGE COUNTY																	
16	North Orange County	3177	1	0	0	0	0	0.10	0.075	0/0	0/0	1.14	2	0	0.08		
17	Central Orange County	3176	0	4	0	0	1	0.09	0.085	0/0	0/0	1.00	1	0	0.04		
18	North Coastal Orange County	3195	0	0	0	0	0	0.08	0.066	0/0	0/0	0.57	1	0	0.03	0.007	0.01
19	Saddleback Valley	3812	1	4	0	0	0	0.10	0.080	0/0	0/0	0.25	1				
RIVERSIDE COUNTY																	
22	Norco/Corona	4155															
23	Metropolitan Riverside County 1	4144	14	19	0	1	9	0.13	0.111	0/0	0/0	1.71	3	0	0.07	0.01	0.01
23	Metropolitan Riverside County 2	4146															
24	Perris Valley	4149	11	14	0	0	6	0.12	0.103	0/0	0/0						
25	Lake Elsinore	4158	11	13	0	0	8	0.12	0.107	0/0	0/0	1.00	1	0	0.06		
29	Banning/San Gorgonio Pass	4164	15	16	1	2	13	0.16	0.113	0/0	0/0			0	0.06		
30	Coachella Valley 1**	4137	6	6	0	0	4	0.11	0.098	0/0	0/0	0.43	1	0	0.06		
30	Coachella Valley 2**	4157	1	4	0	0	1	0.11	0.091	0/0	0/0						
SANBERNARDINO COUNTY																	
32	Northwest San Bernardino Valley	5175	7	7	0	0	4	0.12	0.096	0/0	0/0	1.43	2	0	0.09		
33	Southwest San Bernardino Valley	5817															
34	Central San Bernardino Valley 1	5197	11	13	0	0	5	0.12	0.100	0/0	0/0	1.50	2	0	0.04	0.001	0.01
34	Central San Bernardino Valley 2	5203	14	12	0	2	10	0.14	0.113	0/0	0/0	1.00	1	0	0.08		
35	East San Bernardino Valley	5204	18	14	1	2	15	0.15	0.123	0/0	0/0						
37	Central San Bernardino Mountain	5181	20	23	0	2	17	0.14	0.123	0/0	0/0						
38	Big Bear Lake	5818															
District maximum			20	23	1	5	17	0.16	0.123	0/0	0/0	1.71	3	0	0.11	0.015	0.03

* Air Resources Board has proposed revising the California Ozone Standard to establish a new 8-hour average standard of 0.07 ppm.

** Salton Sea air basin at this time.

Table 3 (continued)
August 2004
Exceedances of Standards and Maximum Concentrations

No.	Location	Stn. No.	PM10				Lead***		Sulfate		PM2.5		
			No. (%) Days Exceeding State Std	Federal Std	Number Days Sampled	Max 24-hour Average ug/m ³	Number Days Sampled	Monthly Average ug/m ³	Number Days Sampled	Max 24-hour Average ug/m ³	Number Days Sampled	Number Days Exceeding Federal Standard	Max 24-hour Average ug/m ³
LOS ANGELES COUNTY													
1	Central LA	87	0(0%)	0(0%)	6	35	6	0.02	6	9.4	27	0	26.1
2	Northwest Coastal LA County	91							6	8.4			
3	Southwest Coastal LA County	94											
4	South Coastal LA County	72	0(0%)	0(0%)	6	42	6	0.01	6	9.7	30	0	28.1
6	West San Fernando Valley	74									10	0	21.2
7	East San Fernando Valley	69	0(0%)	0(0%)	6	42					9	0	24.8
8	West San Gabriel Valley	88							6	8.3	11	0	22.4
9	East San Gabriel Valley 1	60	1(17%)	0(0%)	6	59			6	9.2	30	0	29.7
9	East San Gabriel Valley 2	591											
10	Pomona/Walnut Valley	75											
11	South San Gabriel Valley	85					5	0.02	5	7.6	7	0	23.3
12	South Central LA County	84					6	0.01	6	8.6	11	0	20.6
13	Santa Clarita Valley	90	1(17%)	0(0%)	6	52							
ORANGE COUNTY													
16	North Orange County	3177											
17	Central Orange County	3176	1(20%)	0(0%)	5	52					26	0	24.3
18	North Coastal Orange County	3195											
19	Saddleback Valley	3812	0(0%)	0(0%)	5	41					11	0	22.5
RIVERSIDE COUNTY													
22	Norco/Corona	4155	2(33%)	0(0%)	6	70							
23	Metropolitan Riverside County 1	4144	9(82%)	0(0%)	11	86	6	0.02	6	8.4	31	0	31.9
23	Metropolitan Riverside County 2	4146					6	0.01	6	8.1	9	0	27.0
24	Perris Valley	4149	0(0%)	0(0%)	4	50							
25	Lake Elsinore	4158											
29	Banning/San Gorgonio Pass	4164	1(17%)	0(0%)	6	51							
30	Coachella Valley 1**	4137	1(17%)	0(0%)	6	79					11	0	14.4
30	Coachella Valley 2**	4157	5(45%)	0(0%)	11	71					11	0	16.3
SANBERNARDINO COUNTY													
32	Northwest San Bernardino Valley	5175					6	0.01	6	7.4			
33	Southwest San Bernardino Valley	5817	2(40%)	0(0%)	5	62					11	0	27.8
34	Central San Bernardino Valley 1	5197	4(67%)	0(0%)	6	86			5	9.6	10	0	26.7
34	Central San Bernardino Valley 2	5203	4(67%)	0(0%)	6	77	6	0.01	6	9.3	11	0	46.4
35	East San Bernardino Valley	5204	4(67%)	0(0%)	6	67							
37	Central San Bernardino Mountain	5181	1(17%)	0(0%)	6	52							
38	Big Bear Lake	5818									6	0	9.7
District maximum			9	0		86		0.02		9.7		0	46.4

** Salton Sea air basin

***Special monitoring of lead near stationary sources was carried out in August 2004 and the maximum monthly average was 0.34 µg/m³.