

Air Quality Standards Compliance Report

Statistics for August 2002

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This monthly 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 Desert Air Basin served by the District.

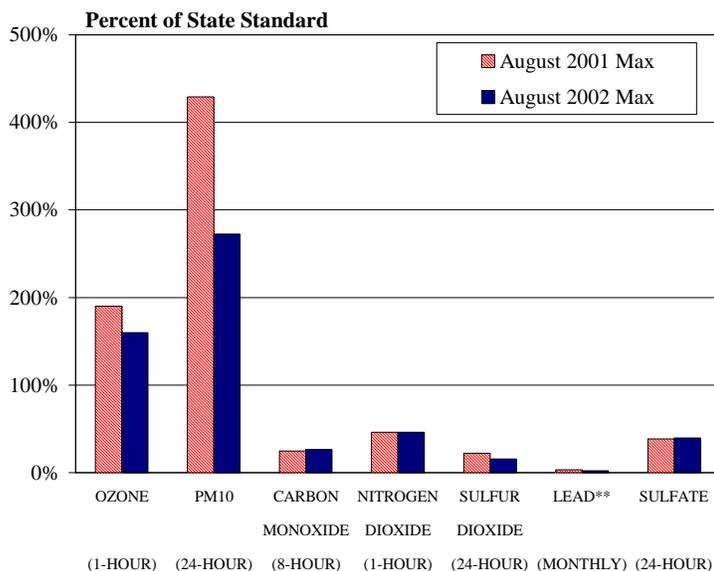
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AUGUST 2002 AIR QUALITY

Air quality statistics in the South Coast Air Basin and the desert area of Coachella Valley in the Salton Sea Air Basin for August 2002 are shown and summarized in the following figures and tables. Figure 1 compares the

maximum pollutant concentrations recorded in August 2002 to the maximum concentrations recorded for August 2001. The maxima are shown as percentages of the state ambient air quality standards. Figure 2 shows the maxima as percentages of the federal standards.

Table 1 shows the state and federal ambient air quality standards for criteria pollutants, the maximum concentrations recorded in August 2002 and the location where the maximum concentration was recorded. Figure 3 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 during August 2002 are summarized in Table 2.



**Higher lead concentrations were recorded at special monitoring sites located immediately downwind of stationary sources of lead.

Figure 1
Maximum Concentrations as Percentages of State Standards

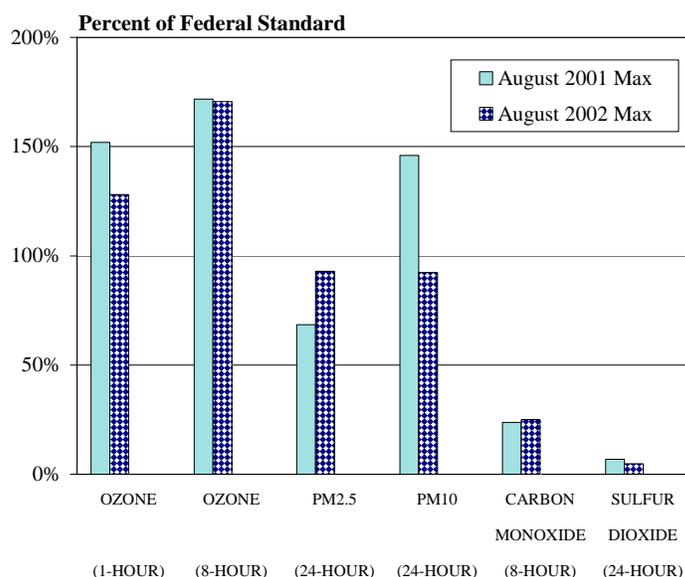


Figure 2
Maximum Concentrations as Percentages of Federal Standards



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Table 1. Maximum Concentrations Reported in August 2002 Compared to the Ambient Air Quality Standards

Pollutant Averaging Time	State Standard	Federal Standard	Maximum Concentrations			Location
			ppm/ ug/m3	% State Standard	% Federal Standard	
Ozone						
1-Hour	> 0.09 ppm	> 0.12 ppm	0.16	160%	128%	Santa Clarita Valley
8-Hour		> 0.08 ppm	0.145		171%	Santa Clarita Valley
Carbon Monoxide						
8-Hour	> 9.0 ppm	> 9 ppm	2.38	26%	25%	Pomona/Walnut Valley
Nitrogen Dioxide						
1-Hour	> 0.25 ppm		0.12	46%		Central Los Angeles, South San Gabriel Valley
24-Hour			0.071			Pomona/Walnut Valley
Sulfur Dioxide						
1-Hour	> 0.25 ppm		0.03	12%		South Coastal LA County
24-Hour	> 0.04 ppm	> 0.14 ppm	0.007	17%	5%	East San Fernando Valley
Particulate (PM10)						
24-Hour	> 50 ug/m3	> 150 ug/m3	139.0	273%	92%	Coachella Valley
Particulate (PM2.5)						
24-Hour		> 65 ug/m3	60.9		93%	Metropolitan Riverside County
Sulfates						
24-Hour	>= 25 ug/m3		9.9	40%		Southwest Coastal LA County
Lead*						
30-Day	>= 1.5 ug/m3		0.03	2%		Central San Bernardino Valley
30-Day*			0.23	15%		Central Los Angeles

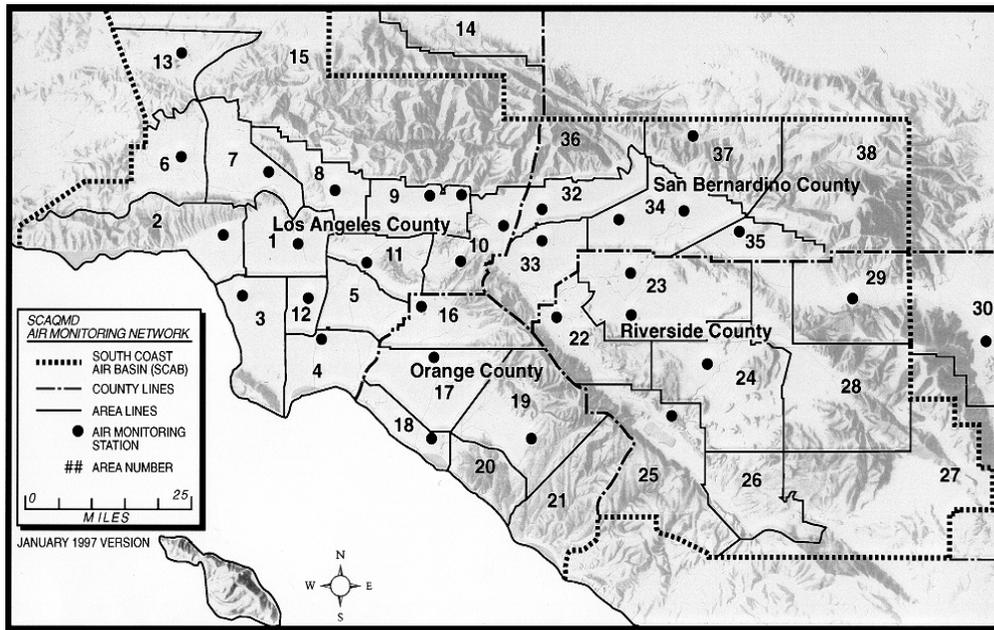


Figure 3
 South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert
 Air Basins and Monitoring Stations

Table 2
August 2002
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 1-hr	Days Exceeding Fed Std 8-hr	Max 1-hr ppm	Max 8-hr ppm	Days Exceeding State Std 8-hr/1-hr	Days Exceeding Fed Std 8-hr/1-hr	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	1	0	0	0	0.11	0.080	0/0	0/0	1.88	3	0	0.11	0.004	0.02
2	Northwest Coastal LA County	091	1	0	0	0	0.12	0.080	0/0	0/0	1.00	2	0	0.06		
3	Southwest Coastal LA County	094	0	0	0	0	0.07	0.060	0/0	0/0	1.00	2	0	0.06	0.009	0.02
4	South Coastal LA County	072	0	0	0	0	0.07	0.054	0/0	0/0	0.88	1	0	0.08	0.007	0.02
6	West San Fernando Valley	074	10	1	3	7	0.15	0.121	0/0	0/0	1.14	2	0	0.06		
7	East San Fernando Valley	069	4	0	0	2	0.12	0.097	0/0	0/0	1.75	2	0	0.09	0.003	0.01
8	West San Gabriel Valley	088	6	0	0	3	0.12	0.103	0/0	0/0	2.00	3	0	0.12		
9	East San Gabriel Valley 1	060	6	0	2	2	0.13	0.098	0/0	0/0	1.29	2	0	0.08		
9	East San Gabriel Valley 2	591	11	1	5	5	0.15	0.115	0/0	0/0	2.00	2	0	0.08		
10	Pomona/Walnut Valley	075	7	1	1	3	0.15	0.111	0/0	0/0	1.86	2	0	0.09		
11	South San Gabriel Valley	085	0	0	0	0	0.09	0.074	0/0	0/0	1.33	2	0	0.08		
12	South Central LA County 1	084	0	0	0	0	0.06	0.051	0/0	0/0	2.00	3	0	0.09		
13	Santa Clarita Valley	090	21	3	8	14	0.17	0.145	0/0	0/0	1.14	2	0	0.10		
ORANGE COUNTY																
16	North Orange County	3177	0	0	0	0	0.09	0.079	0/0	0/0	1.00	1	0	0.06		
17	Central Orange County	3176	0	0	0	0	0.09	0.078	0/0	0/0	1.00	1	0	0.05		
18	North Coastal Orange County	3195	0	0	0	0	0.08	0.065	0/0	0/0	0.86	1	0	0.03	0.003	0.01
19	Saddleback Valley	3812	1	0	0	1	0.10	0.085	0/0	0/0	0.75	1				
RIVERSIDE COUNTY																
22	Norco/Corona	4155														
23	Metropolitan Riverside County 1	4144	14	1	5	9	0.15	0.121	0/0	0/0	1.43	2	0	0.06	0.002	0.02
23	Metropolitan Riverside County 2	4146							0/0	0/0	1.50	2				
24	Perris Valley	4149	16	0	2	12	0.13	0.110								
25	Lake Elsinore	4158	13	0	4	11	0.14	0.111	0/0	0/0	1.00	1	0	0.05		
29	Banning Airport	4164	20	0	4	14	0.14	0.113					0	0.15		
30	Coachella Valley 1**	4137	14	0	0	16	0.12	0.110	0/0	0/0	1.00	1	0	0.05		
30	Coachella Valley 2**	4157	5	0	0	1	0.10	0.090								
SAN BERNARDINO COUNTY																
32	Northwest San Bernardino Valley	5175	10	0	2	4	0.14	0.106	0/0	0/0	1.00	1	0	0.10		
33	Southwest San Bernardino Valley	5817														
34	Central San Bernardino Valley 1	5197	12	1	4	7	0.16	0.119					0	0.09	0.006	0.02
34	Central San Bernardino Valley 2	5203	13	2	4	9	0.15	0.113	0/0	0/0	1.17	2	0	0.08		
35	East San Bernardino Valley	5204	20	3	6	14	0.16	0.123								
37	Central San Bernardino Mountains	5181	27	3	7	23	0.16	0.139								
District maximum			27	3	7	23	0.17	0.145	0/0	0/0	2.00	3	0	0.15	0.009	0.02

** Salton Sea air basin

Table 2 - continued
August 2002
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%)	6	47	6	0.03	6	9.9	30	0	32.4
2	Northwest Coastal LA County	091							6	9.1			
3	Southwest Coastal LA County	094	1(17%)	0(0%)	6	97	5	0.01	5	5.6			
4	South Coastal LA County	072	0(0%)	0(0%)	5	41	6	0.01	6	9.8	30	0	27.9
6	West San Fernando Valley	074									11	0	20.9
7	East San Fernando Valley	069	0(0%)	0(0%)	6	42					11	0	26.9
8	West San Gabriel Valley	088							5	8.7	11	0	35.7
9	East San Gabriel Valley 1	060	3(50%)	0(0%)	6	61			5	9.6	31	0	59.6
9	East San Gabriel Valley 2	591											
10	Pomona/Walnut Valley	075											
11	South San Gabriel Valley	085					6	0.02	6	9.7	11	0	33.5
12	South Central LA County 1	084					6	0.01	6	6.7	11	0	32.6
13	Santa Clarita Valley	090	1(17%)	0(0%)	6	54							
ORANGE COUNTY													
16	North Orange County	3177											
17	Central Orange County	3176	0(0%)	0(0%)	6	39					31	0	23.8
18	North Coastal Orange County	3195											
19	Saddleback Valley	3812	0(0%)	0(0%)	6	35					11	0	20.8
RIVERSIDE COUNTY													
22	Norco/Corona	4155	1(17%)	0(0%)	6	55							
23	Metropolitan Riverside County 1	4144	10(91%)	0(0%)	11	87	6	0.01	6	9.3	30	0	60.0
23	Metropolitan Riverside County 2	4146					6	0.01	6	8.0	11	0	39.5
24	Perris Valley	4149	3(50%)	0(0%)	6	56							
25	Lake Elsinore	4158											
29	Banning Airport	4164	0(0%)	0(0%)	6	45							
30	Coachella Valley 1**	4137	1(17%)	0(0%)	6	52					11	0	20.4
30	Coachella Valley 2**	4157	5(45%)	0(0%)	11	84					11	0	18.8
SAN BERNARDINO COUNTY													
32	Northwest San Bernardino Valley	5175					6	0.02	6	8.9			
33	Southwest San Bernardino Valley	5817	1(17%)	0(0%)	6	53					11	0	29.8
34	Central San Bernardino Valley 1	5197	3(50%)	0(0%)	6	71			6	9.5	10	0	26.5
34	Central San Bernardino Valley 2	5203	6(100%)	0(0%)	6	67	6	0.02	6	9.6	11	0	37.7
35	East San Bernardino Valley	5204	4(80%)	0(0%)	5	62							
37	Central San Bernardino Mountains	5181	2(33%)	0(0%)	6	52							
District maximum			10	0		97		0.03		9.9		0	60.0

** Salton Sea air basin

***Special monitoring of lead near stationary sources was carried out in August 2002 and the maximum monthly average was 0.39 ug/m3.