

# Air Quality Standards Compliance Report

Statistics for September 2002

Vol. 15, No.9

Published September, 2003

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.

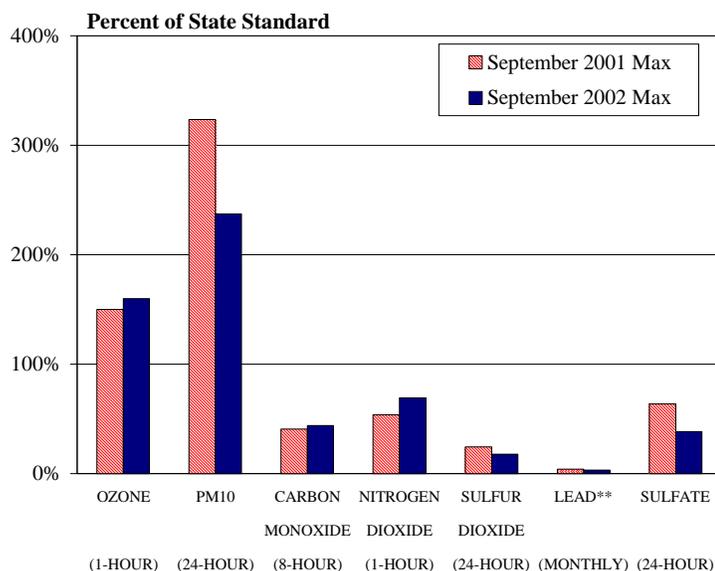
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## SEPTEMBER 2002 AIR QUALITY

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

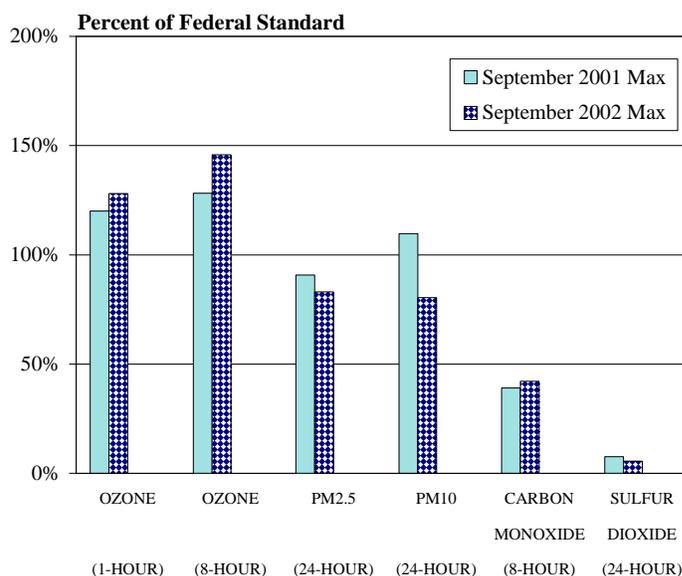
maximum pollutant concentrations recorded in September 2002 to the maximum concentrations recorded for September 2001. The maxima are shown as percentages of the state ambient air quality standards. Figure 2 shows the maxima as percentages of the federal standards.

Table 1 shows the state and federal ambient air quality standards for criteria pollutants, the maximum concentrations recorded in September 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 September 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

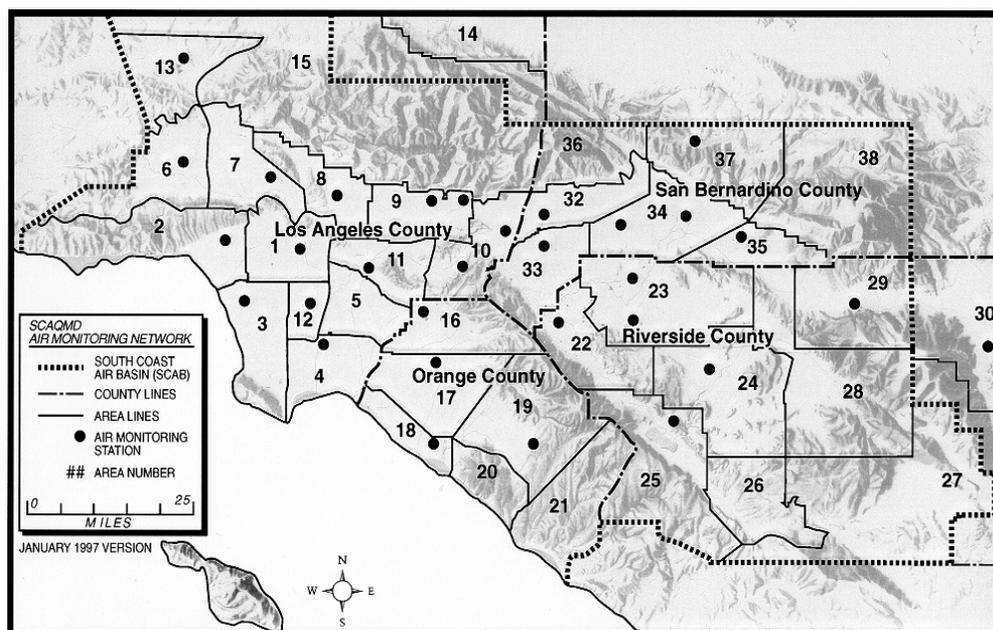


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**Table 1. Maximum Concentrations Reported in September 2002 Compared to the Ambient Air Quality Standards**

Pollutant Averaging Time	State Standard	Federal Standard	Maximum Concentrations			Location
			ppm/ ug/m3	% State Standard	% Federal Standard	
<b>Ozone</b>						
1-Hour	> 0.09 ppm	> 0.12 ppm	0.16	160%	128%	Metropolitan Riverside County
8-Hour		> 0.08 ppm	0.124		146%	Central San Bernardino Valley
<b>Carbon Monoxide</b>						
8-Hour	> 9.0 ppm	> 9 ppm	4.00	44%	42%	South Central Los Angeles County
<b>Nitrogen Dioxide</b>						
1-Hour	> 0.25 ppm		0.18	69%		East San Fernando Valley
24-Hour			0.098			East San Fernando Valley
<b>Sulfur Dioxide</b>						
1-Hour	> 0.25 ppm		0.03	12%		South Coastal Los Angeles County
24-Hour	> 0.04 ppm	> 0.14 ppm	0.008	20%	6%	East San Fernando Valley
<b>Particulate (PM10)</b>						
24-Hour	> 50 ug/m3	> 150 ug/m3	121	237%	80%	Southwest Coastal LA County
<b>Particulate (PM2.5)</b>						
24-Hour		> 65 ug/m3	54.4		83%	West San Gabriel Valley
<b>Sulfates</b>						
24-Hour	>= 25 ug/m3		9.6	38%		South San Gabriel Valley
<b>Lead*</b>						
30-Day	>= 1.5 ug/m3		0.05	3%		Central Los Angeles
30-Day*			0.37	25%		Southeast Los Angeles County

\*Maximum monthly average concentration 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  
September 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	Max 1-hr	Max 8-hr	Days Exceeding State Std	Days Exceeding Fed Std	Max 8-hr	Max 1-hr	Days Exceeding State Std	Max 1-hr	Max 24-hr	Max 1-hr		
LOS ANGELES COUNTY																
1	Central LA	087	4	0	0	0	0.12	0.079	0/0	0/0	2.57	4	0	0.14	0.007	0.01
2	Northwest Coastal LA County	091	0	0	0	0	0.09	0.068	0/0	0/0	1.71	3	0	0.08		
3	Southwest Coastal LA County	094	0	0	0	0	0.08	0.059	0/0	0/0	2.57	5	0	0.07	-0.009	0.02
4	South Coastal LA County	072	0	0	0	0	0.08	0.059	0/0	0/0	2.00	3	0	0.13	0.007	0.03
6	West San Fernando Valley	074	10	0	2	4	0.14	0.113	0/0	0/0	2.29	3	0	0.09		
7	East San Fernando Valley	069	5	0	1	2	0.13	0.094	0/0	0/0	2.75	4	0	0.18	0.008	0.01
8	West San Gabriel Valley	088	7	0	1	2	0.14	0.099	0/0	0/0	2.71	4	0	0.13		
9	East San Gabriel Valley 1	060	7	0	1	3	0.14	0.098	0/0	0/0	2.29	3	0	0.11		
9	East San Gabriel Valley 2	591	9	0	2	5	0.14	0.104	0/0	0/0	2.00	2	0	0.08		
10	Pomona/Walnut Valley	075	6	0	1	2	0.13	0.094	0/0	0/0	2.29	3	0	0.10		
11	South San Gabriel Valley	085	1	0	0	0	0.10	0.071	0/0	0/0	2.43	3	0	0.12		
12	South Central LA County 1	084	0	0	0	0	0.07	0.045	0/0	0/0	4.00	6	0	0.09		
13	Santa Clarita Valley	090	13	1	5	10	0.15	0.102	0/0	0/0	1.40	2	0	0.03		
ORANGE COUNTY																
16	North Orange County	3177	1	0	0	0	0.11	0.075	0/0	0/0	2.00	5	0	0.05		
17	Central Orange County	3176	2	0	0	0	0.10	0.073	0/0	0/0	3.86	7	0	0.09		
18	North Coastal Orange County	3195	0	0	0	0	0.09	0.069	0/0	0/0	1.00	2	0	0.06	0.006	0.02
19	Saddleback Valley	3812	4	0	2	2	0.14	0.095	0/0	0/0	1.00	1				
RIVERSIDE COUNTY																
22	Norco/Corona	4155														
23	Metropolitan Riverside County 1	4144	8	1	4	5	0.16	0.111	0/0	0/0	2.86	4	0	0.10	0.001	0.02
23	Metropolitan Riverside County 2	4146							0/0	0/0	2.38	4				
24	Perris Valley	4149	4	0	0	3	0.11	0.098								
25	Lake Elsinore	4158	3	0	0	2	0.11	0.095	0/0	0/0	1.17	2	0	0.07		
29	Banning Airport	4164	5	0	0	2	0.10	0.086					0	0.08		
30	Coachella Valley 1**	4137	1	0	0	0	0.10	0.084	0/0	0/0	0.57	1	0	0.06		
30	Coachella Valley 2**	4157	0	0	0	0	0.09	0.080								
SAN BERNARDINO COUNTY																
32	Northwest San Bernardino Valley	5175	5	0	0	4	0.12	0.090	0/0	0/0	1.00	2	0	0.12		
33	Southwest San Bernardino Valley	5817														
34	Central San Bernardino Valley 1	5197	3	1	1	2	0.15	0.124					0	0.10	0.002	0.01
34	Central San Bernardino Valley 2	5203	4	0	0	3	0.12	0.094	0/0	0/0	2.14	3	0	0.11		
35	East San Bernardino Valley	5204	7	0	4	4	0.13	0.109								
37	Central San Bernardino Mountains	5181	7	0	0	6	0.12	0.096								
District maximum			13	1	5	10	0.16	0.124	0/0	0/0	4.00	7	0	0.18	0.008	0.03

\*\* Salton Sea air basin

Table 2 - continued  
September 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	2(40%)	0(0%)	5	57	6	0.05	6	9.0	28	0	51.0
2 Northwest Coastal LA County	091							5	6.9			
3 Southwest Coastal LA County	094	2(40%)	0(0%)	5	121	5	0.02	5	9.0			
4 South Coastal LA County	072	0(0%)	0(0%)	5	47	5	0.01	5	8.9	30	0	36.9
6 West San Fernando Valley	074									10	0	33.0
7 East San Fernando Valley	069	0(0%)	0(0%)	5	46					10	0	51.6
8 West San Gabriel Valley	088							5	6.5	10	0	54.4
9 East San Gabriel Valley 1	060	4(80%)	0(0%)	5	91			5	5.2	26	0	42.0
9 East San Gabriel Valley 2	591											
10 Pomona/Walnut Valley	075											
11 South San Gabriel Valley	085					5	0.03	5	9.6	10	0	45.3
12 South Central LA County 1	084					5	0.02	5	9.4	10	0	45.5
13 Santa Clarita Valley	090	1(20%)	0(0%)	5	56							
ORANGE COUNTY												
16 North Orange County	3177											
17 Central Orange County	3176	0(0%)	0(0%)	5	44					29	0	27.6
18 North Coastal Orange County	3195											
19 Saddleback Valley	3812	0(0%)	0(0%)	5	43					10	0	23.1
RIVERSIDE COUNTY												
22 Norco/Corona	4155	2(50%)	0(0%)	4	66							
23 Metropolitan Riverside County 1	4144	8(89%)	0(0%)	9	99	5	0.02	5	8.1	30	0	53.6
23 Metropolitan Riverside County 2	4146					5	0.01	5	7.8	9	0	47.8
24 Perris Valley	4149	2(40%)	0(0%)	5	100							
25 Lake Elsinore	4158											
29 Banning Airport	4164	1(20%)	0(0%)	5	58							
30 Coachella Valley 1**	4137	0(0%)	0(0%)	5	48					10	0	15.0
30 Coachella Valley 2**	4157	6(60%)	0(0%)	10	89					9	0	13.4
SAN BERNARDINO COUNTY												
32 Northwest San Bernardino Valley	5175					5	0.02	5	8.7			
33 Southwest San Bernardino Valley	5817	3(60%)	0(0%)	5	91					10	0	48.5
34 Central San Bernardino Valley 1	5197	4(80%)	0(0%)	5	102			5	8.0	9	0	46.6
34 Central San Bernardino Valley 2	5203	4(80%)	0(0%)	5	94	5	0.02	5	7.8	10	0	48.0
35 East San Bernardino Valley	5204	1(25%)	0(0%)	4	75							
37 Central San Bernardino Mountains	5181	0(0%)	0(0%)	5	45							
District maximum		8	0		121		0.05		9.6		0	54.4

\*\* Salton Sea air basin

\*\*\*Special monitoring of lead near stationary sources was carried out in September 2002 and the maximum monthly average was 0.37 ug/m3.