

# Air Quality Standards Compliance Report

November/December 2004  
and Summary Statistics for 2004

Vol. 17, No. 6

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## 2004 AIR QUALITY AND TRENDS

In 2004, the South Coast Air Basin (Basin) continued the trend of significant long-term improvement in air quality and made it through the summer without experiencing a stage 1 episode. The maximum 1-hour ozone concentration in the Basin in 2004 was the lowest on record since monitoring began in the region. Nonetheless, maximum pollutant concentrations in the region still exceed the state and federal standards for ozone and particulate matter (PM10 and PM2.5) by a wide margin. In the Coachella Valley, the desert area of Riverside County (Salton Sea Air Basin) under South Coast Air Quality Management District (District) jurisdiction, downwind of the Basin, the standards for both ozone and PM10 were exceeded in 2004.

Although the lower ozone concentrations in the Basin in 2004 were mainly due to weather conditions in the area, long-term analysis of the seasonal distribution of the number of days exceeding the federal standards in the Basin shows that not only has the frequency of exceedances in the region been reduced significantly, but also the duration of the smog season has also diminished considerably in recent years. Figure 1 shows the 3-year average number of days exceeding the 1-hour federal standard for ozone, the major air pollutant in the Basin, for the period 1981 thru 2004, comparing the exceedances for the entire year (January – December) to the summer “smog season” (May – October). During the 1980s and 1990s it was common to have days exceeding the federal ozone standard as early as February and during late fall as late as November. In recent years, the Basin has only occasionally exceeded the standard during the early spring or fall mainly due to an overall lower ozone level in the region resulting from the District’s and State’s air pollution controls and regulations. (Three-year averages have been used to minimize year-to-year variation due to changes in weather factors.)

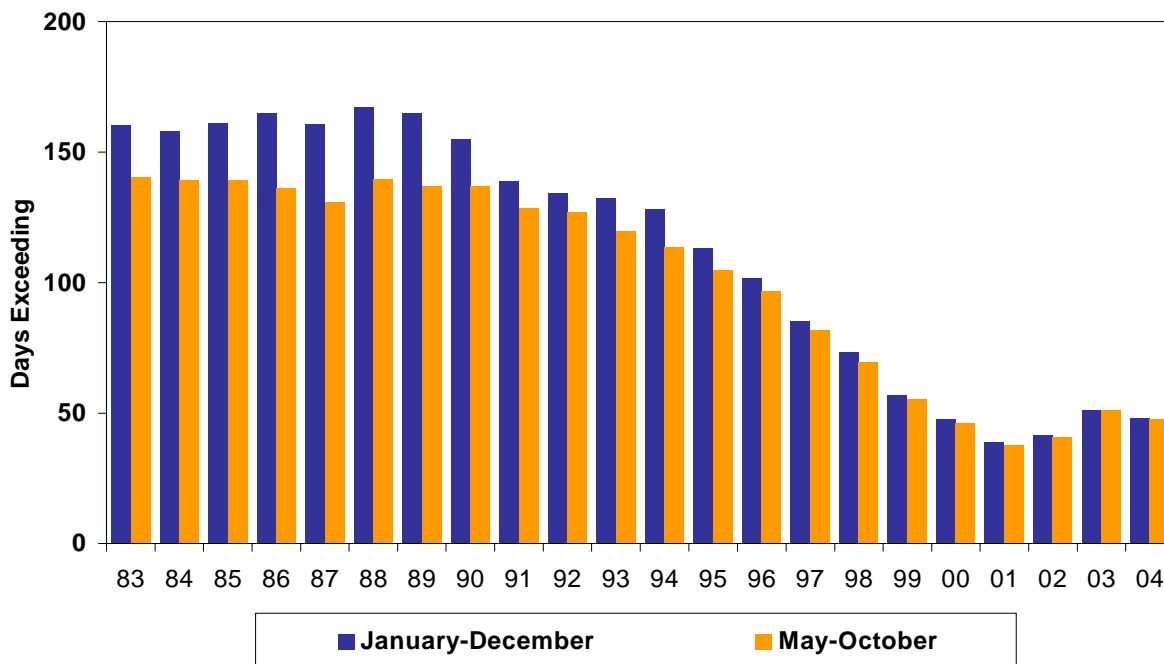


Figure 1  
Ozone, 1981-2004  
3-Year Average Number of Basin-Days Exceeding  
1-Hour Federal Standard (as measured at the end of 3-year)



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

## Maximum Pollutant Concentrations

The maximum 1-hour and 8-hour average ozone concentrations (0.163 ppm and 0.148 ppm, both recorded in the Central San Bernardino Mountains area) were 130% and 174% of the 1-hour and 8-hour federal standard, respectively. For the second consecutive year, carbon monoxide concentrations did not exceed the standards in the Basin. The highest 8-hour average carbon monoxide concentration in 2004 (6.7 ppm, recorded in the South Central Los Angeles County area) was 71% of the federal standard. Maximum 24-hour average and annual average PM10 concentrations in the Basin (137  $\mu\text{g}/\text{m}^3$  and 55.5  $\mu\text{g}/\text{m}^3$ , recorded in the Metropolitan Riverside County area) were 91% and 110% of the federal 24-hour and annual standards, respectively. Maximum 24-hour average and annual average PM2.5 concentrations (93.8  $\mu\text{g}/\text{m}^3$  and 22.1  $\mu\text{g}/\text{m}^3$ , recorded in the Metropolitan Riverside County area) were both 143% of the federal 24-hour and annual PM2.5 standards.

The federal nitrogen dioxide standard was not exceeded in 2004, with a maximum annual average concentration (0.033 ppm recorded in the East San Fernando Valley area) which was 67% of the standard. The more stringent state standard was not exceeded either, with a maximum 1-hour average concentration (0.16 ppm recorded in Central Los Angeles) which was 62% of the standard. Sulfur dioxide, sulfate and lead concentrations remained well below the state and federal standards in 2004. (The 2004 annual air quality statistics for different locations in the Basin are summarized on the "2004 Air Quality" data card available at the SCAQMD Public Information Center or can be accessed via the Internet at <http://www.aqmd.gov/smog/AQSCR2004/aq04card.pdf>.)

Figure 2 shows the 2004 maximum pollutant concentrations in the Basin as percentages of the federal standards compared to other metropolitan areas in the U.S. The federal ozone, PM2.5 and PM10 standards were exceeded in some of these large U.S. urban areas. Carbon monoxide concentrations did not exceed the federal standards in any of the nation's metropolitan areas in 2004.

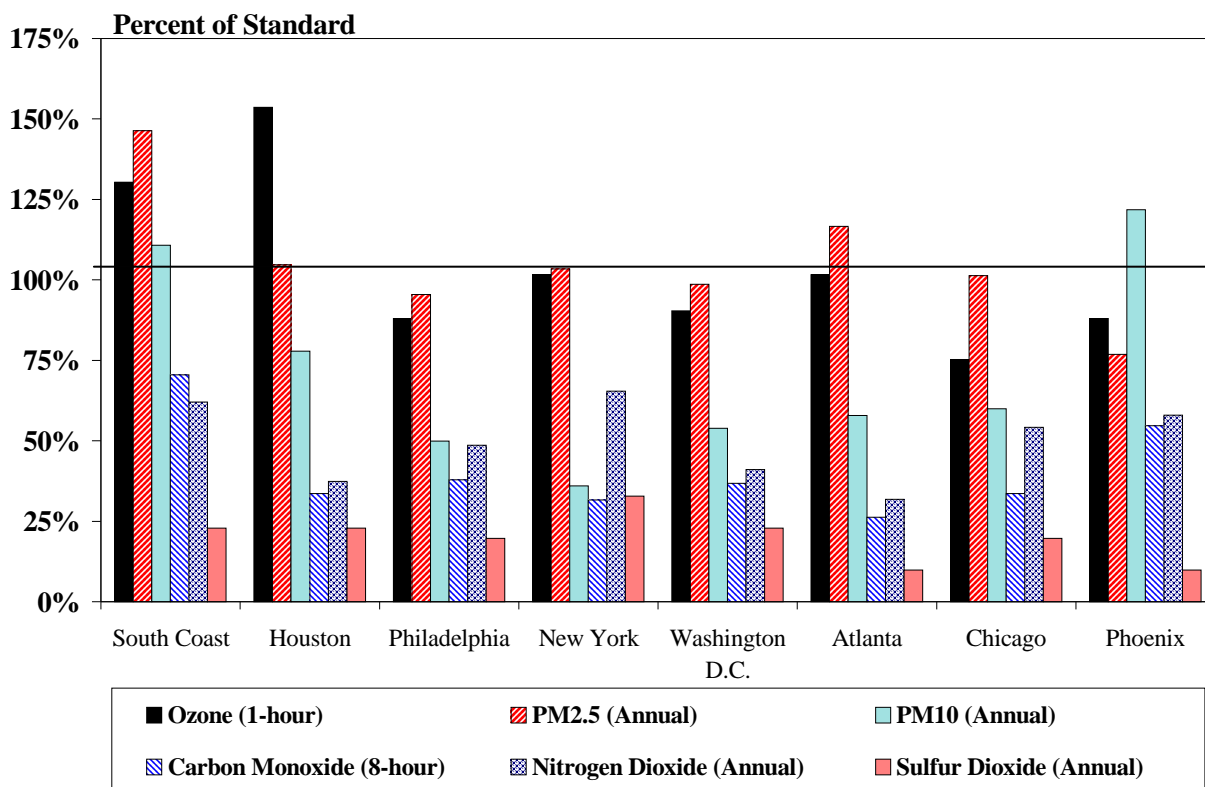


Figure 2  
 Maximum Pollutant Concentrations in 2004 as Percent of Federal Standards  
 South Coast Air Basin Compared to U.S. Metropolitan Areas

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## **Comparison of Air Quality in Different Areas**

### **Ozone (O<sub>3</sub>)**

In 2004, the Basin exceeded the federal ozone standard more frequently than any other areas of the U.S. Of the 10 highest U.S. locations in terms of number of days over the 1-hour federal standard in 2004, 8 were located in the Basin (maximum 13 days); the other two locations were in Kern County, California (8 days) and Harris County, Texas (7 days).

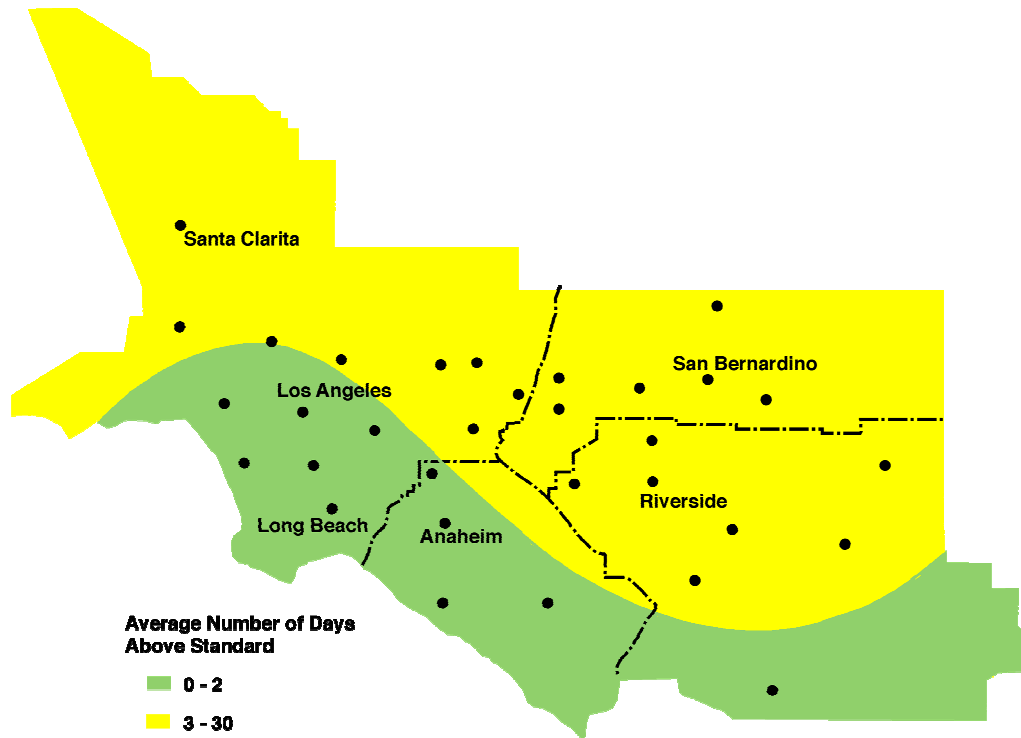
Figures 3 and 4 show the 3-year average number of days on which the 1-hour and 8-hour federal ozone standards were exceeded in different areas of the Basin for the years 2002-2004. The 1-hour ozone standard was exceeded most frequently in the Santa Clarita Valley area of Los Angeles County and in the central San Bernardino Mountains extending to the east San Bernardino valley area. The coastal areas of Los Angeles and Orange Counties, and the farthest eastern portion of the Coachella Valley, recorded no exceedances of the 1-hour federal standard. The long-term 8-hour average standard was exceeded most frequently in the Basin's Central San Bernardino Mountains area.

### **Particulate Matter (PM<sub>10</sub>)**

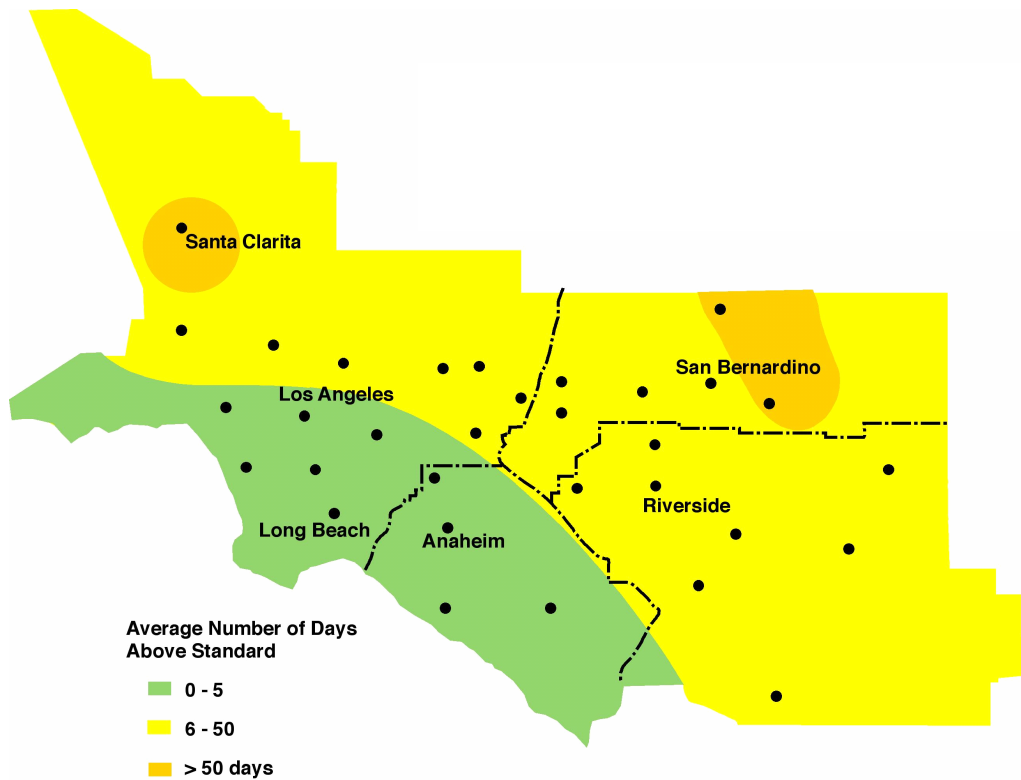
In 2004, the Basin was among the few metropolitan areas in the nation exceeding the federal annual average PM10 standard. Figure 5 shows the 3-year average of the PM10 annual arithmetic mean concentrations for the years 2002-2004 at locations in the Basin. Exceedance of the PM10 federal standard in the Basin was limited to the metropolitan portion of Riverside County. The recently established much more stringent state standard, however, was exceeded in all areas of the Basin.

### **Particulate Matter (PM<sub>2.5</sub>)**

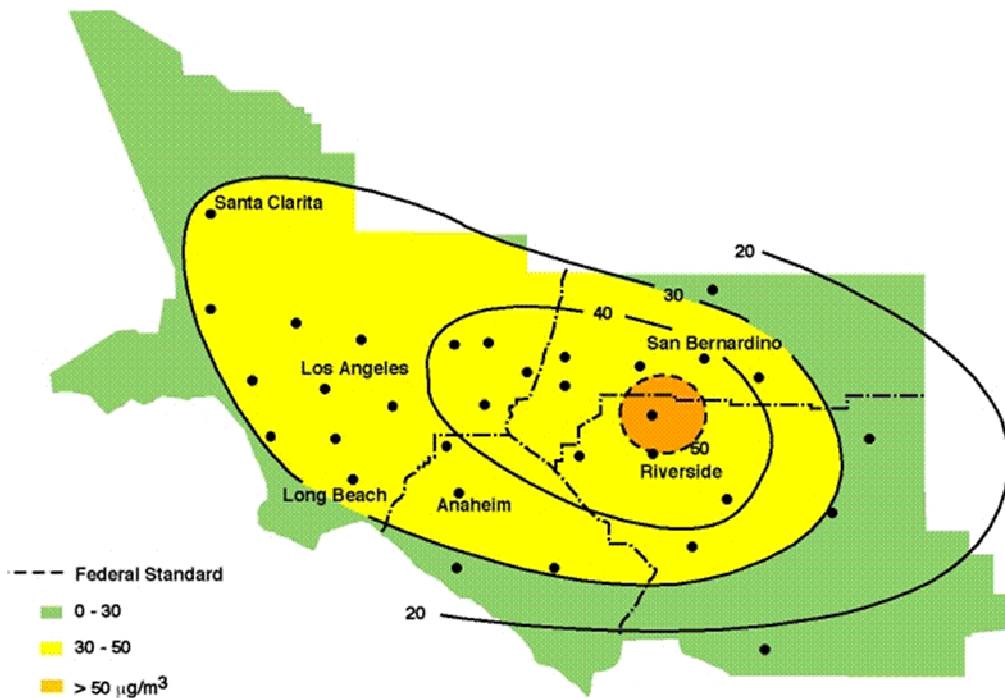
Figure 6 shows the 3-year average distribution of annual average PM2.5 concentrations in different areas of the Basin for the period 2002-2004. The highest PM2.5 concentrations were recorded in the Metropolitan Riverside County areas and the inland valley areas of San Bernardino County. Coachella Valley areas in the desert portion of the District and San Bernardino Mountains areas in the Basin recorded the lowest PM2.5 concentrations and did not exceed the PM2.5 state and federal standards.



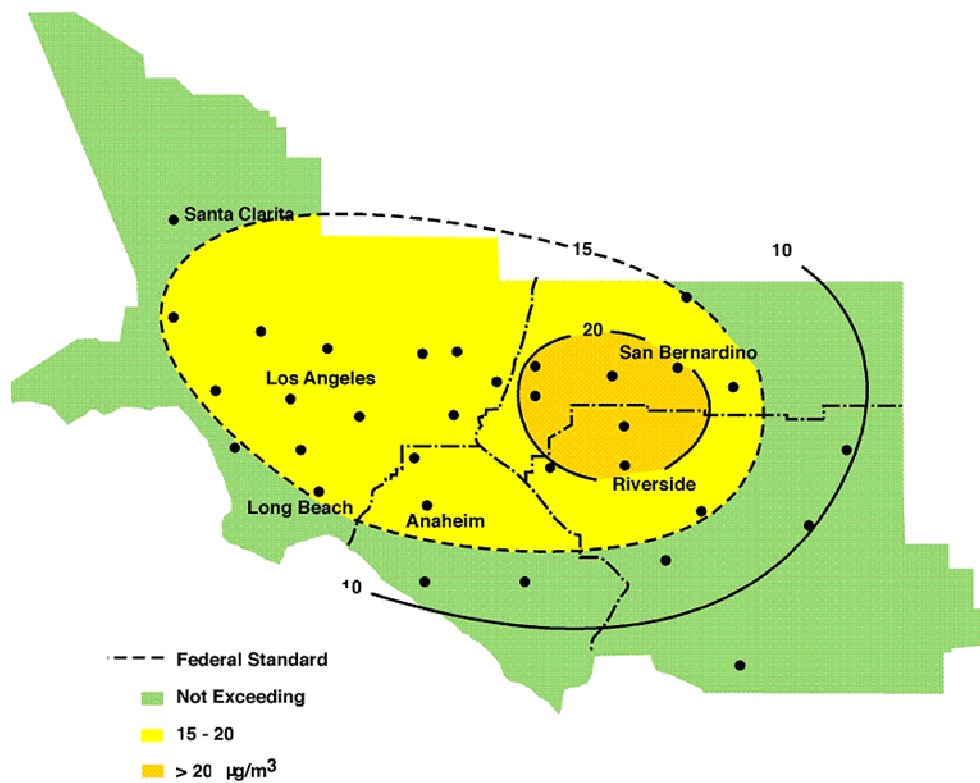
**Figure 3**  
**Ozone, 2002-2004**  
**3- Year Average Number of Days Exceeding 1-Hour Federal Standard**



**Figure 4**  
**Ozone, 2002-2004**  
**3- Year Average Number of Days Exceeding 8-Hour Federal Standard**



**Figure 5**  
**PM10, 2002-2004**  
**3-Year Average Annual Arithmetic Mean,  $\mu\text{g}/\text{m}^3$**



**Figure 6**  
**PM2.5, 2002-2004**  
**3-Year Average Annual Arithmetic Mean,  $\mu\text{g}/\text{m}^3$**

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 Air Quality Compliance Report (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 the California Air Resources Board is in the process of revising the California Ozone Standard to establish a new 8-hour average standard of 0.070 ppm in order to more adequately protect public health, including infants and children.

**November and December 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 November and December are shown and summarized in the following figures and tables.

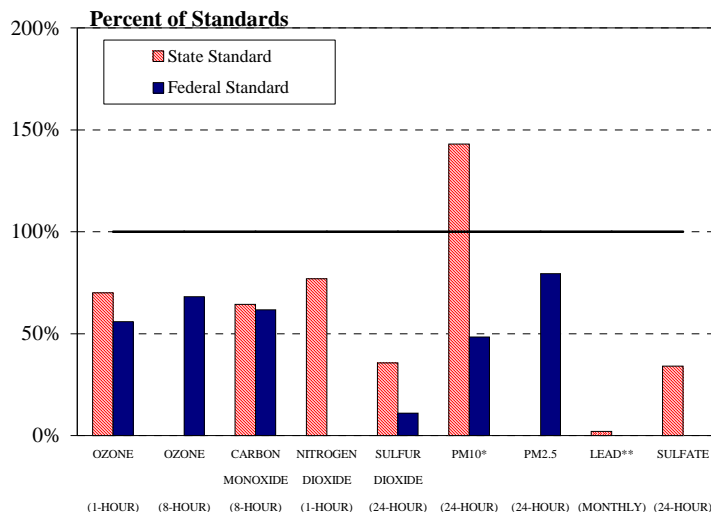
Figure 7 shows the maximum pollutant concentrations recorded during November - December 2004 as percentages of the state and federal ambient air quality standards.

Table 1 (on page 7) shows the state and federal ambient air quality standards for criteria pollutants, the maximum concentrations recorded during November/December 2004 and the location where the maximum concentration was recorded.

During November and December, 2004, the concentrations of ozone, 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. PM10 concentrations were below the federal standard at all locations monitored, but exceeded the state standard at some locations.

Figure 8 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 November and December 2004 are summarized in Tables 2 and 3, respectively.



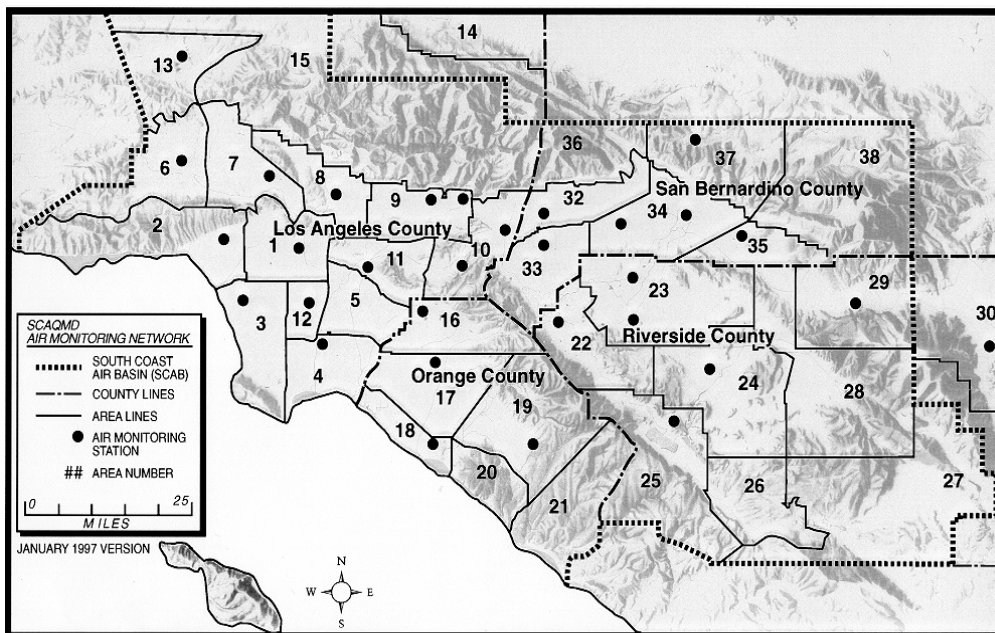
\*\* higher lead concentrations were recorded at special monitoring sites in the vicinity of major lead sources (shown in Table 1).

**Figure 7**  
**Maximum Concentrations as Percent of State and Federal Standards for November and December 2004**

**Table 1. Maximum Concentrations Reported in November/December 2004 Compared to the Ambient Air Quality Standards**

Pollutant Averaging Time	Criteria Pollutants' Air Quality Standards		Maximum Concentrations			
	State	Federal	ppm/ µg/m <sup>3</sup>	% State Standard	% Federal Standard	Location
<b>Ozone</b>						
1-Hour	> 0.09 ppm	> 0.12 ppm	0.07	70%	56%	Central Orange County
8-Hour		> 0.08 ppm	0.058		68%	Central Orange County
<b>Carbon Monoxide</b>						
8-Hour	> 9.0 ppm	> 9 ppm	5.86	64%	62%	South Central Los Angeles County
<b>Nitrogen Dioxide</b>						
1-Hour	> 0.25 ppm		0.20	77%		South Coastal Los Angeles County
24-Hour			0.069			South Coastal Los Angeles County
<b>Sulfur Dioxide</b>						
1-Hour	> 0.25 ppm		0.09	35%		Metropolitan Riverside County
24-Hour	> 0.04 ppm	> 0.14 ppm	0.016	39%	11%	Central Los Angeles
<b>Particulate (PM10)</b>						
24-Hour	> 50 µg/m <sup>3</sup>	> 150 µg/m <sup>3</sup>	73	143%	48%	Metropolitan Riverside County
<b>Particulate (PM2.5)</b>						
24-Hour		> 65 µg/m <sup>3</sup>	52.0		79%	Central Los Angeles
<b>Sulfates</b>						
24-Hour	>= 25 µg/m <sup>3</sup>		8.5	34%		South Coastal Los Angeles County
<b>Lead</b>						
30-Day	>= 1.5 µg/m <sup>3</sup>		0.03	2%		Several Locations
30-Day*			0.24	16%		Southeast Los Angeles County

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



**FIGURE 8**  
 South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert  
 Air Basins and Monitoring Stations

**Table 2**  
**November 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 Standard* 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
<b>LOS ANGELES COUNTY</b>																	
1	Central LA	87	0	0	0	0	0	0.05	0.040	0/0	0/0	2.88	3	0	0.1	0.01	0.01
2	Northwest Coastal LA County	91	0	0	0	0	0	0.05	0.042	0/0	0/0	1.71	3	0	0.08		
3	Southwest Coastal LA County	820															
4	South Coastal LA County 1	72	0	0	0	0	0	0.05	0.035	0/0	0/0	3.14	4	0	0.11	0.008	0.03
4	South Coastal LA County 2	77															
6	West San Fernando Valley	74	0	0	0	0	0	0.05	0.046	0/0	0/0	2.86	4	0	0.07		
7	East San Fernando Valley	69	0	0	0	0	0	0.04	0.040	0/0	0/0	2.88	4	0	0.08	0.010	0.01
8	West San Gabriel Valley	88	0	0	0	0	0	0.05	0.041	0/0	0/0	2.43	3	0	0.05		
9	East San Gabriel Valley 1	60	0	0	0	0	0	0.05	0.045	0/0	0/0	1.38	2	0	0.10		
9	East San Gabriel Valley 2	591	0	0	0	0	0	0.05	0.048	0/0	0/0	1.50	2	0	0.09		
10	Pomona/Walnut Valley	75	0	0	0	0	0	0.05	0.037	0/0	0/0	2.38	3	0	0.09		
11	South San Gabriel Valley	85	0	0	0	0	0	0.05	0.037	0/0	0/0	2.57	3	0	0.10		
12	South Central LA County	84	0	0	0	0	0	0.04	0.032	0/0	0/0	4.71	7	0	0.09		
13	Santa Clarita Valley	90	0	0	0	0	0	0.05	0.046	0/0	0/0	1.13	2	0	0.08		
<b>ORANGE COUNTY</b>																	
16	North Orange County	3177	0	0	0	0	0	0.05	0.038	0/0	0/0	2.25	5	0	0.08		
17	Central Orange County	3176	0	0	0	0	0	0.07	0.058	0/0	0/0	1.88	3	0	0.07		
18	North Coastal Orange County	3195	0	0	0	0	0	0.06	0.046	0/0	0/0	2.57	3	0	0.08	0.004	0.01
19	Saddleback Valley	3812	0	0	0	0	0	0.06	0.045	0/0	0/0	1.13	2				
<b>RIVERSIDE COUNTY</b>																	
22	Norco/Corona	4155															
23	Metropolitan Riverside County 1	4144	0	0	0	0	0	0.05	0.042	0/0	0/0	1.88	3	0	0.06	0.005	0.09
23	Metropolitan Riverside County 2	4146															
24	Perris Valley	4149	0	0	0	0	0	0.04	0.036								
25	Lake Elsinore	4158	0	0	0	0	0	0.05	0.043	0/0	0/0	1.00	1	0	0.05		
29	Banning/San Gorgonio Pass	4164	0	0	0	0	0	0.06	0.057					0	0.06		
30	Coachella Valley 1**	4137	0	0	0	0	0	0.06	0.048	0/0	0/0	0.63	1	0	0.05		
30	Coachella Valley 2**	4157	0	0	0	0	0	0.06	0.050								
<b>SANBERNARDINO COUNTY</b>																	
32	Northwest San Bernardino Valley	5175	0	0	0	0	0	0.04	0.040	0/0	0/0	1.75	3	0	0.09		
33	Southwest San Bernardino Valley	5817															
34	Central San Bernardino Valley 1	5197	0	0	0	0	0	0.05	0.047	0/0	0/0	1.67	3	0	0.07	0.001	0.01
34	Central San Bernardino Valley 2	5203	0	0	0	0	0	0.05	0.045	0/0	0/0	1.75	3	0	0.07		
35	East San Bernardino Valley	5204	0	0	0	0	0	0.05	0.045								
37	Central San Bernardino Mountain	5181	0	0	0	0	0	0.05	0.050								
38	Big Bear Lake	5818															
<b>District maximum</b>			0	0	0	0	0	0.07	0.058	0/0	0/0	4.71	7	0	0.11	0.010	0.09

\* Air Resources Board has approved revising the California Ozone Standard to establish a new 8-hour average standard of 0.07 ppm. The new standard is expected to take effect by December 2005.

\*\* Salton Sea air basin at this time.



**Table 2 (continued)**  
**November 2004**  
**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 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	
<b>LOS ANGELES COUNTY</b>													
1	Central LA	87	0(0%)	0(0%)	5	41	5	0.03	5	3.5	25	0	52.0
2	Northwest Coastal LA County	91							5	3.5			
3	Southwest Coastal LA County	820											
4	South Coastal LA County 1	72	1(20%)	0(0%)	5	53	5	0.02	5	6.2	19	0	36.8
4	South Coastal LA County 2	77									8	0	50.1
6	West San Fernando Valley	74									9	0	38.4
7	East San Fernando Valley	69	0(0%)	0(0%)	5	44			5	2.6	8	0	32.7
8	West San Gabriel Valley	88							4	3.3	19	0	32.9
9	East San Gabriel Valley 1	60	0(0%)	0(0%)	5	31							
9	East San Gabriel Valley 2	591											
10	Pomona/Walnut Valley	75											
11	South San Gabriel Valley	85					5	0.03	5	4.8	6	0	32.0
12	South Central LA County	84					5	0.03	5	5.1	10	0	36.2
13	Santa Clarita Valley	90	0(0%)	0(0%)	5	27							
<b>ORANGE COUNTY</b>													
16	North Orange County	3177											
17	Central Orange County	3176	1(20%)	0(0%)	5	55					26	0	35.0
18	North Coastal Orange County	3195											
19	Saddleback Valley	3812	0(0%)	0(0%)	5	28					6	0	15.9
<b>RIVERSIDE COUNTY</b>													
22	Norco/Corona	4155	1(25%)	0(0%)	4	53							
23	Metropolitan Riverside County 1	4144	5(50%)	0(0%)	10	73	5	0.02	5	4.3	18	0	48.4
23	Metropolitan Riverside County 2	4146					5	0.01	5	3.9	6	0	50.1
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	39							
30	Coachella Valley 1**	4137	0(0%)	0(0%)	5	40					9	0	16.9
30	Coachella Valley 2**	4157	2(20%)	0(0%)	10	57					6	0	26.8
<b>SANBERNARDINO COUNTY</b>													
32	Northwest San Bernardino Valley	5175					2	0.01	2	1.7			
33	Southwest San Bernardino Valley	5817	1(20%)	0(0%)	5	57					9	0	44.9
34	Central San Bernardino Valley 1	5197	1(20%)	0(0%)	5	59			5	4.8	9	0	42.9
34	Central San Bernardino Valley 2	5203	1(20%)	0(0%)	5	53	5	0.01	5	4.6	6	0	41.6
35	East San Bernardino Valley	5204	0(0%)	0(0%)	5	36							
37	Central San Bernardino Mountain	5181	0(0%)	0(0%)	4	33							
38	Big Bear Lake	5818									2	0	5.3
<b>District maximum</b>			5	0		73		0.03		6.2		0	52.0

\*\* Salton Sea air basin

\*\*\*Special monitoring of lead near stationary sources was carried out in November 2004 and the maximum monthly average was 0.24 µg/m<sup>3</sup>.

**Table 3**  
**December 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 Standard*		Health Advisory	Federal Standard		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				
<b>LOS ANGELES COUNTY</b>																	
1	Central LA	87	0	0	0	0	0	0.04	0.032	0/0	0/0	3.13	4	0	0.08	0.016	0.02
2	Northwest Coastal LA County	91	0	0	0	0	0	0.05	0.041	0/0	0/0	1.88	4	0	0.07		
3	Southwest Coastal LA County	820															
4	South Coastal LA County 1	72	0	0	0	0	0	0.04	0.037	0/0	0/0	2.50	3	0	0.20	0.006	0.03
4	South Coastal LA County 2	77															
6	West San Fernando Valley	74	0	0	0	0	0	0.04	0.040	0/0	0/0	3.50	5	0	0.06		
7	East San Fernando Valley	69	0	0	0	0	0	0.04	0.037	0/0	0/0	3.50	5	0	0.07	0.010	0.01
8	West San Gabriel Valley	88	0	0	0	0	0	0.05	0.042	0/0	0/0	3.38	5	0	0.07		
9	East San Gabriel Valley 1	60	0	0	0	0	0	0.05	0.040	0/0	0/0	2.00	2	0	0.07		
9	East San Gabriel Valley 2	591	0	0	0	0	0	0.05	0.048	0/0	0/0	1.75	2	0	0.05		
10	Pomona/Walnut Valley	75	0	0	0	0	0	0.04	0.037	0/0	0/0	2.50	3	0	0.07		
11	South San Gabriel Valley	85	0	0	0	0	0	0.04	0.028	0/0	0/0	3.00	4	0	0.08		
12	South Central LA County	84	0	0	0	0	0	0.04	0.035	0/0	0/0	5.86	8	0	0.10		
13	Santa Clarita Valley	90	0	0	0	0	0	0.05	0.040	0/0	0/0	1.14	3	0	0.07		
<b>ORANGE COUNTY</b>																	
16	North Orange County	3177	0	0	0	0	0	0.04	0.030	0/0	0/0	4.00	7	0	0.08		
17	Central Orange County	3176	0	0	0	0	0	0.06	0.052	0/0	0/0	4.14	5	0	0.09		
18	North Coastal Orange County	3195	0	0	0	0	0	0.05	0.050	0/0	0/0	4.14	5	0	0.10	0.010	0.01
19	Saddleback Valley	3812	0	0	0	0	0	0.05	0.046	0/0	0/0	1.38	2				
<b>RIVERSIDE COUNTY</b>																	
22	Norco/Corona	4155															
23	Metropolitan Riverside County 1	4144	0	0	0	0	0	0.04	0.040	0/0	0/0	2.43	4	0	0.05	0.002	0.01
23	Metropolitan Riverside County 2	4146								0/0	0/0	2.13	3				
24	Perris Valley	4149	0	0	0	0	0	0.04	0.036								
25	Lake Elsinore	4158	0	0	0	0	0	0.05	0.040	0/0	0/0	1.00	1	0	0.04		
29	Banning/San Gorgonio Pass	4164	0	0	0	0	0	0.06	0.050					0	0.04		
30	Coachella Valley 1**	4137	0	0	0	0	0	0.04	0.040	0/0	0/0	0.75	1	0	0.04		
30	Coachella Valley 2**	4157	0	0	0	0	0	0.05	0.040								
<b>SANBERNARDINO COUNTY</b>																	
32	Northwest San Bernardino Valley	5175	0	0	0	0	0	0.04	0.032	0/0	0/0	2.00	3	0	0.06		
33	Southwest San Bernardino Valley	5817															
34	Central San Bernardino Valley 1	5197	0	0	0	0	0	0.05	0.041	0/0	0/0	2.13	3	0	0.06	0.001	0
34	Central San Bernardino Valley 2	5203	0	0	0	0	0	0.04	0.040	0/0	0/0	2.43	3	0	0.06		
35	East San Bernardino Valley	5204	0	0	0	0	0	0.05	0.046								
37	Central San Bernardino Mountain	5181	0	0	0	0	0	0.06	0.051								
38	Big Bear Lake	5818															
<b>District maximum</b>			0	0	0	0	0	0.06	0.052	0/0	0/0	5.86	8	0	0.20	0.016	0.03

\* Air Resources Board has approved revising the California Ozone Standard to establish a new 8-hour average standard of 0.07 ppm. The new standard is expected to take effect by December 2005.

\*\* Salton Sea air basin at this time.

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

No.	Location	Stn. No.	PM10				Lead***		Sulfate		PM2.5		
			No. (%) Days Exceeding State Standard		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 Sampled	Number Days Exceeding Federal Standard	Max 24-hour Average ug/m3
<b>LOS ANGELES COUNTY</b>													
1	Central LA	87	0(0%)	0(0%)	5	36	5	0.02	5	3	31	0	39.7
2	Northwest Coastal LA County	91							5	3.2			
3	Southwest Coastal LA County	820											
4	South Coastal LA County 1	72	0(0%)	0(0%)	5	42	5	0.01	5	8.5	25	0	43.1
4	South Coastal LA County 2	77											
6	West San Fernando Valley	74									4	0	20.7
7	East San Fernando Valley	69	0(0%)	0(0%)	5	45					8	0	42.3
8	West San Gabriel Valley	88							5	2.1	10	0	37.8
9	East San Gabriel Valley 1	60	0(0%)	0(0%)	5	40			5	1.8	13	0	35.2
9	East San Gabriel Valley 2	591											
10	Pomona/Walnut Valley	75											
11	South San Gabriel Valley	85					5	0.02	5	3.1	10	0	39.8
12	South Central LA County	84					5	0.03	5	3.9	9	0	43.5
13	Santa Clarita Valley	90	0(0%)	0(0%)	5	15							
<b>ORANGE COUNTY</b>													
16	North Orange County	3177											
17	Central Orange County	3176	1(20%)	0(0%)	5	70					29	0	41.5
18	North Coastal Orange County	3195											
19	Saddleback Valley	3812	0(0%)	0(0%)	5	22					9	0	20.3
<b>RIVERSIDE COUNTY</b>													
22	Norco/Corona	4155	0(0%)	0(0%)	4	29							
23	Metropolitan Riverside County 1	4144	3(30%)	0(0%)	10	65	5	0	5	2	30	0	46.5
23	Metropolitan Riverside County 2	4146					4	0	5	1.4	9	0	44.3
24	Perris Valley	4149	0(0%)	0(0%)	5	46							
25	Lake Elsinore	4158											
29	Banning/San Geronio Pass	4164	0(0%)	0(0%)	5	12							
30	Coachella Valley 1**	4137	0(0%)	0(0%)	3	14					8	0	20.6
30	Coachella Valley 2**	4157	0(0%)	0(0%)	10	48					7	0	28.5
<b>SANBERNARDINO COUNTY</b>													
32	Northwest San Bernardino Valley	5175					5	0.01	5	1.3			
33	Southwest San Bernardino Valley	5817	0(0%)	0(0%)	5	41					6	0	45.4
34	Central San Bernardino Valley 1	5197	0(0%)	0(0%)	5	33			5	1.3	7	0	21.5
34	Central San Bernardino Valley 2	5203	0(0%)	0(0%)	4	42	5	0.01	5	1.4	6	0	38.7
35	East San Bernardino Valley	5204	0(0%)	0(0%)	5	25							
37	Central San Bernardino Mountain	5181	0(0%)	0(0%)	5	27							
38	Big Bear Lake	5818									4	0	23.1
<b>District maximum</b>			3	0		70		0.03		8.5		0	46.5

\*\* Salton Sea air basin

\*\*\*Special monitoring of lead near stationary sources was carried out in December 2004 and the maximum monthly average was 0.18 µg/m<sup>3</sup>.