

Air Quality Standards Compliance Report (AQSCR)

Statistics for November/December 2007
and Summary Statistics for 2007 and 2008 Preliminary

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2007 AIR QUALITY SUMMARY AND 2008 PRELIMINARY AIR QUALITY

Maximum ozone and PM_{2.5} concentrations in the South Coast Air Basin (Basin) continued to exceed the federal standards by wide margins in 2007 and 2008. The more stringent California state standards were exceeded in the Basin for ozone, PM_{2.5}, PM₁₀, sulfate and the recently established annual NO₂ standard. Air pollutant concentrations in Coachella Valley, the desert areas of Riverside County downwind of the Basin (Salton Sea Air Basin) under the District's jurisdictions exceeded the state and federal ozone standards and state 24-hour PM₁₀ standard in 2007 and 2008. Ozone peak concentrations in the Basin in 2007 and 2008 were the lowest on record mainly due to the new and existing air pollutant control policies in the region combined with meteorological conditions. However, the number of days exceeding the standards in the Basin still is greater than any other metropolitan areas of the U.S. Both in 2007 and 2008 the area with the most frequent number of days exceeding the federal 8-hour ozone standard in the nation were located in the Basin. Of the ten highest U.S. locations in terms of most frequent number of days over the 8-hour federal ozone standard in 2007, five locations were in the Basin (with all ten located in California).

Following is a brief analysis of the 2007 and preliminary 2008 air quality in the Basin based on the compliance with the existing and new air quality standards.

New Ambient Air Quality Standards

Ozone

U.S. EPA has strengthened the 1997 federal 8-hour ozone standard from 0.08 ppm to 0.075 ppm, effective May 27, 2008. The three-year average number of days exceeding the federal ozone standard in the Basin for the years 2006-2008 is 41% higher for the new federal standard.

Lead

Based on the review of the scientific information and health and environmental effects of ambient air lead exposures U.S. EPA has revised the federal standard for lead to increase protection of public health and the environment. The standard level is decreased by 90 percent, from 1.5 µg/m³ to 0.15 µg/m³. Like the previous standard, the new standard is based on the concentration of lead in the total suspended particles (TSP), but the averaging time is rolling three months. The revision is effective on January 12, 2009. The previous quarterly standard continues to remain in effect. As a result of phase-out of leaded gasoline and other rules and regulations to control emissions of lead compounds, lead concentrations at the regular monitoring sites in the Basin remain well below the new standard level. However, lead concentrations at the special monitoring sites in the vicinity of major stationary sources may exceed the new standard level.

Nitrogen Dioxide

Based on the review of the health effects of nitrogen dioxide (NO₂), California Air Resources Board has revised the NO₂ 1-hour state standard from 0.25 to 0.18 ppm and has established a new annual standard of 0.030 ppm, to increase the public health protection, particularly for infants and children. The new standard and revision were effective March 20, 2008.

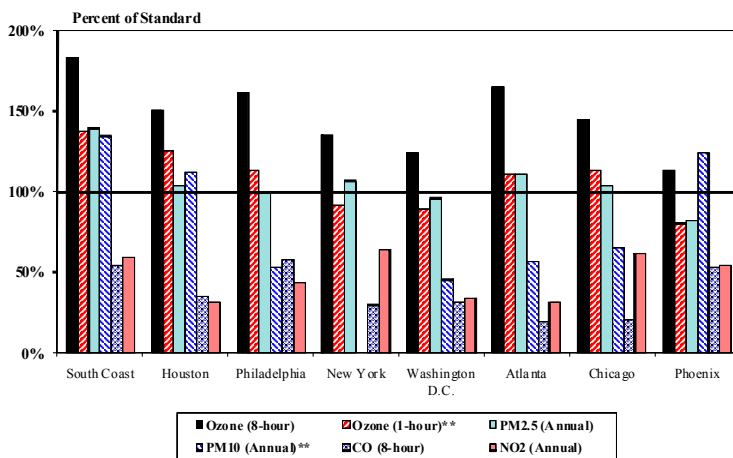


South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4182
<http://www.aqmd.gov>

Maximum Pollutant Concentrations

Figure 1 shows maximum pollutant concentrations in 2007 for the South Coast Air Basin compared to other urban areas in the U.S. Maximum concentrations in all of these areas exceeded the current federal 8-hour ozone standard. The former PM10 annual standard was exceeded at a few U.S. urban areas shown including the Basin. The PM2.5 annual standard was exceeded in most of the large U.S. urban areas. None of the areas shown in Figure 1 exceeded the carbon monoxide standards (CO standard was exceeded on one day at one location in the U.S. in each year, 2007 and 2008). In the year 2007, no location in the Basin or any other area of the U.S. exceeded the nitrogen dioxide federal standard. The Los Angeles County portion of the Basin was the last area of the U.S. to exceed the federal standard for nitrogen dioxide, but has remained in compliance since 1991. Sulfur dioxide concentrations in the Basin continued to remain well below federal standards. Concentrations of sulfur dioxide in urban areas in the Eastern U.S. have generally been higher than those in the Basin due to the use of fuels such as coal which have relatively high sulfur content.

In 2007, the maximum 8-hour and 1-hour average ozone concentrations in the Basin (0.137 ppm and 0.171 ppm, both recorded in the Central San Bernardino Mountains) were 161% and 137% of the former 8-hour and 1-hour federal standards, and 180% of the recently revised 8-hour standard (0.075 ppm). Maximum 24-hour average and annual average PM2.5 concentrations (82.9 $\mu\text{g}/\text{m}^3$ and 21.0 $\mu\text{g}/\text{m}^3$, recorded in the South Coastal Los Angeles County and Mira Loma areas) were 234% of the federal 24-hour standard and 139% of the annual PM2.5 standards. The maximum 24-hour average PM10 concentration in the Basin (142 $\mu\text{g}/\text{m}^3$ recorded at Mira Loma) was 94% of the federal 24-hour standard. The maximum 24-hour average PM10 concentration in Coachella Valley (146 $\mu\text{g}/\text{m}^3$ recorded at Indio) was 97% of the standard. The maximum annual average PM10 concentration (68.5 $\mu\text{g}/\text{m}^3$ recorded at Mira Loma) was 136% of the former federal annual PM10 standard. Higher PM10 concentrations were recorded throughout the District in 2007, due to the wildfire, high winds and fireworks. Two days exceeded the federal 24-hour PM10 standard in the Coachella Valley, both resulting from high-wind natural



**Based on the former standards.

Figure 1
Maximum Pollutant Concentrations in 2007 as Percentages of the Federal Standards
South Coast Air Basin Compared to other Major U.S. Metropolitan Areas

events. The data for these samples were flagged for exclusion from compliance consideration in accordance with the EPA Exceptional Event Regulation. (The highest concentration recorded was 559 $\mu\text{g}/\text{m}^3$ at the Metropolitan Riverside County area related to a wind and wildfire event.)

The nitrogen dioxide maximum annual average concentration in 2007 (0.0318 ppm recorded in the Pomona/Walnut Valley area) was 59% of the federal standard and 104% of the new state standard. Sulfate concentrations exceeded the state standard at two sites on July 5, 2007, due to the July 4th firework activities. The maximum 24-hour average sulfate concentration recorded (37.0 $\mu\text{g}/\text{m}^3$ at East San Gabriel Valley) was 148% of the state standard. Carbon monoxide concentrations have not exceeded the standards in the Basin since 2002. The highest 8-hour average carbon monoxide concentration in 2007 (5.1 ppm, recorded in the South Central Los Angeles County area) was 54% of the federal standard. Sulfur dioxide concentrations remained well below the state and federal standards in 2007.

Based on the preliminary data for the year 2008, the maximum 8-hour average ozone concentration in the Basin (0.131 ppm recorded in the Central San Bernardino Mountains area) was 172% of the new federal standard, lower than the 2007 record low and lowest annual maximum 8-hour average concentration ever recorded in the Basin. Preliminary analysis of the 2008 particulate data indicates that the maximum 24-hour and annual average PM₁₀ and PM_{2.5} concentrations in the Basin and Coachella Valley were also the lowest on the record.

Air Quality Trends

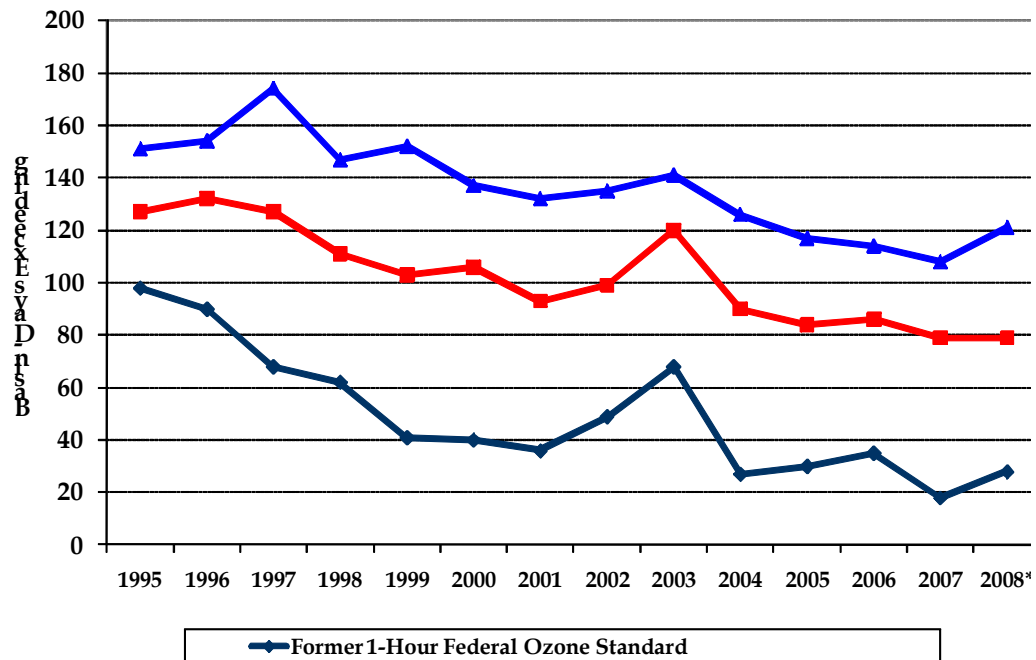
The number of days exceeding the current 8-hour and former 1-hour ozone standards increased slightly in 2008 from the all-time low in 2007. Despite the year-to-year variations, ozone and particulate matter air quality in the Basin continued to improve in the years 2007 and 2008. Ozone peak concentrations in the Basin during the past few years continued to reduce consistently, recording the lowest maximum 8-hour concentrations each year since 2003. Figure 2 shows the number of days exceeding the current 8-hour federal ozone standard in the Basin for the years 1995 to 2008, compared to the number of days exceeding the former 1-hour and 8-hour federal standards. The 3-year average number of days exceeding the current federal 8-hour standard between the years of 1995-1997 and 2006-2008 was reduced by 28%. The average numbers of days exceeding the former 8-hour and 1-hour standards for the same periods were reduced by 37% and 68%, respectively.

Comparison of Air Quality in Different Areas

Ozone (O₃)

The number of exceedances in the Basin varies widely between different areas. Figures 3 and 4 show the number of days on which the 8-hour federal ozone standard (0.075 ppm) was exceeded in different areas of the Basin in 2007 and 2008, respectively. The 8-hour ozone standard was exceeded most frequently in the Basin's Central San Bernardino Mountains. The coastal areas of Los Angeles and Orange Counties recorded the lowest number of days exceeding with some areas recording no exceedances of the 8-hour federal standard in 2007 and 2008.

The former short-term 1-hour ozone standard (not shown) was also exceeded most frequently in the Central San Bernardino Mountains. The coastal areas of Los Angeles and Orange Counties, as well as the far eastern portion of the Coachella Valley, recorded no exceedances of the 1-hour federal standard.



* Based on preliminary 2008 data, subject to revisions.

Figure 2
OZONE, 1995 - 2008*
Number of Basin-Days Exceeding Standards

Particulate Matter (PM_{2.5})

Figure 5 shows the distribution of annual average PM_{2.5} concentrations in different areas of the Basin in 2007. PM_{2.5} concentrations exceeded the annual standard at most of the Basin locations monitored. Highest PM_{2.5} concentrations were recorded in the Metropolitan Riverside County areas extending to the inland valley areas of San Bernardino County. The more stringent state PM_{2.5} standard was exceeded almost everywhere in the Basin except for the southern part of Orange County (Saddleback Valley) and San Bernardino Mountains areas. Coachella Valley areas in the desert portion of the District did not exceed the PM_{2.5} standards.

Particulate Matter (PM₁₀)

Figure 6 shows the 2007 annual average PM₁₀ concentrations at locations in the Basin. Exceedances of the former annual average PM₁₀ federal standard were limited to the metropolitan and Perris Valley portions of Riverside County and Central San Bernardino Valley areas of the Basin and farthest eastern portion of the Coachella Valley in the Salton Sea Air Basin (not shown in the map). The more stringent state standard was exceeded in all areas of the Basin and Coachella Valley in 2007.

Annual Basin air quality statistics throughout the Basin for 2007 are summarized on the “2007 Air Quality” data card which can also be accessed on the Internet at: <http://www.aqmd.gov/smog/AQSCR2007/aq07card.pdf>. For more detailed information on recent air quality and long-term trends (through the year 2005), please refer to the 2007 AQMP Appendix II “Current Air Quality.”

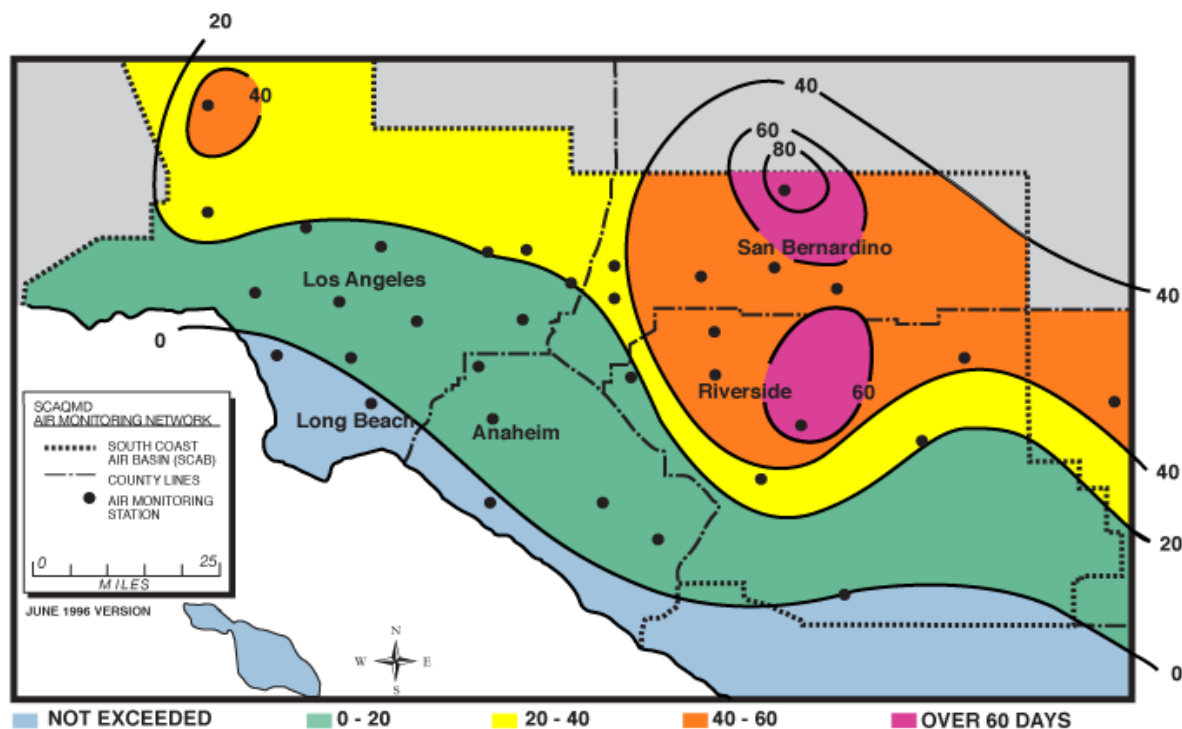


Figure 3
Ozone - 2007
Number of Days Exceeding 8-Hour Federal Standard

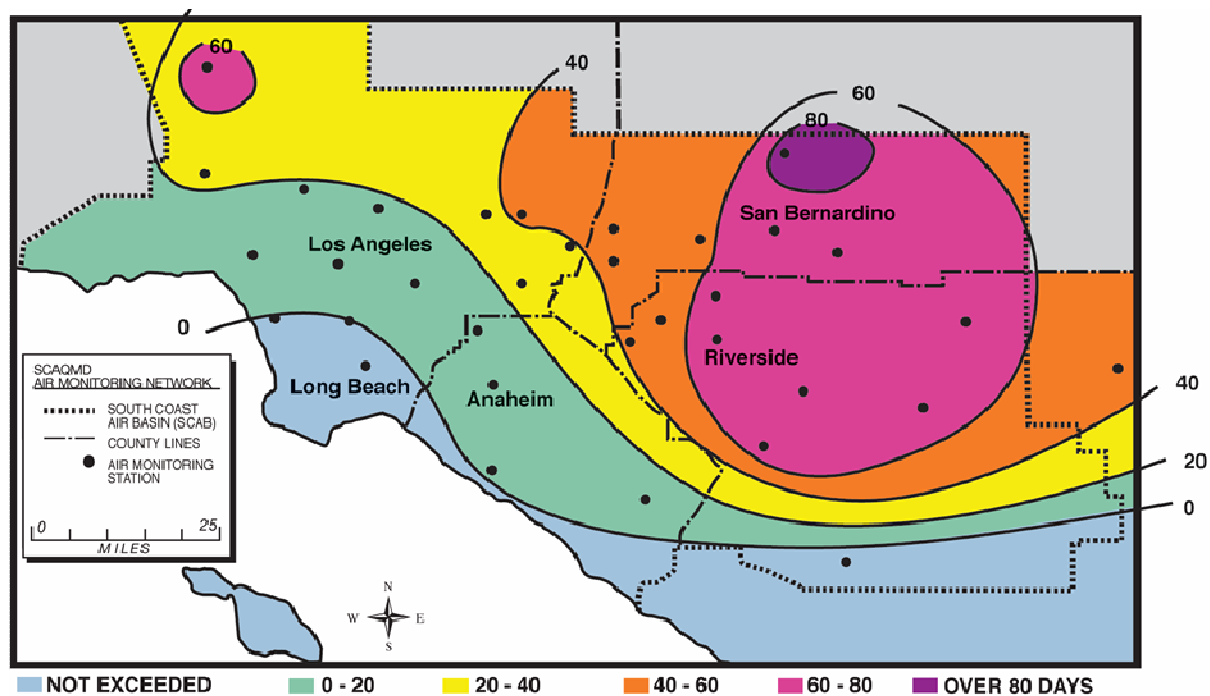


Figure 4
Ozone - 2008
Number of Days Exceeding Former 8-Hour Federal Standard

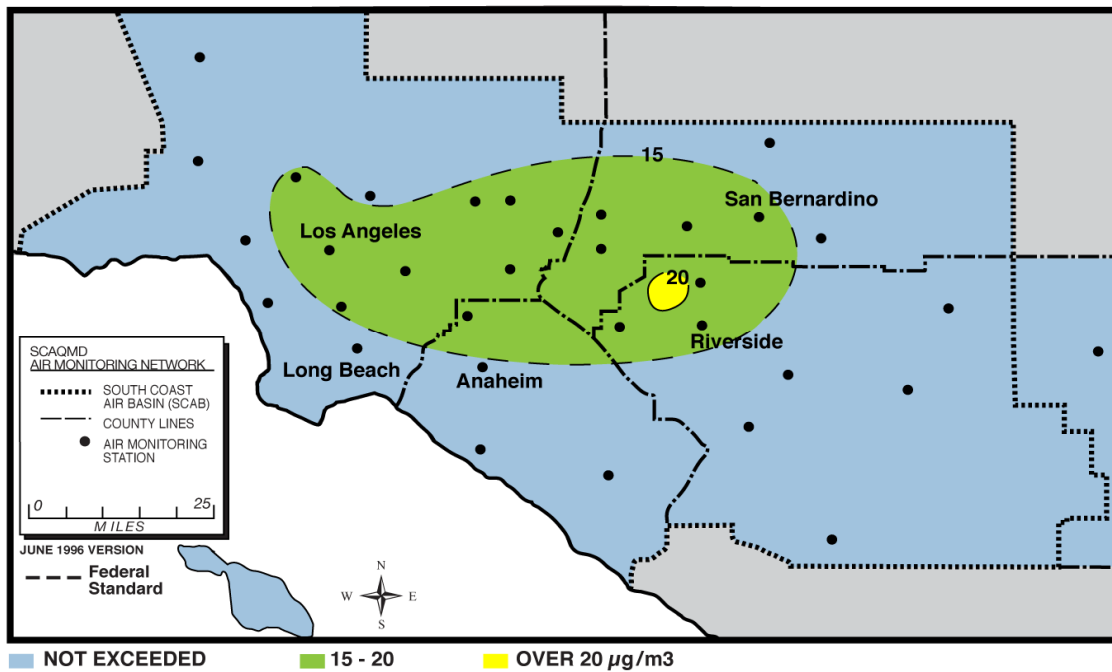


Figure 5
PM2.5 - 2007
Annual Arithmetic Mean, µg/m³

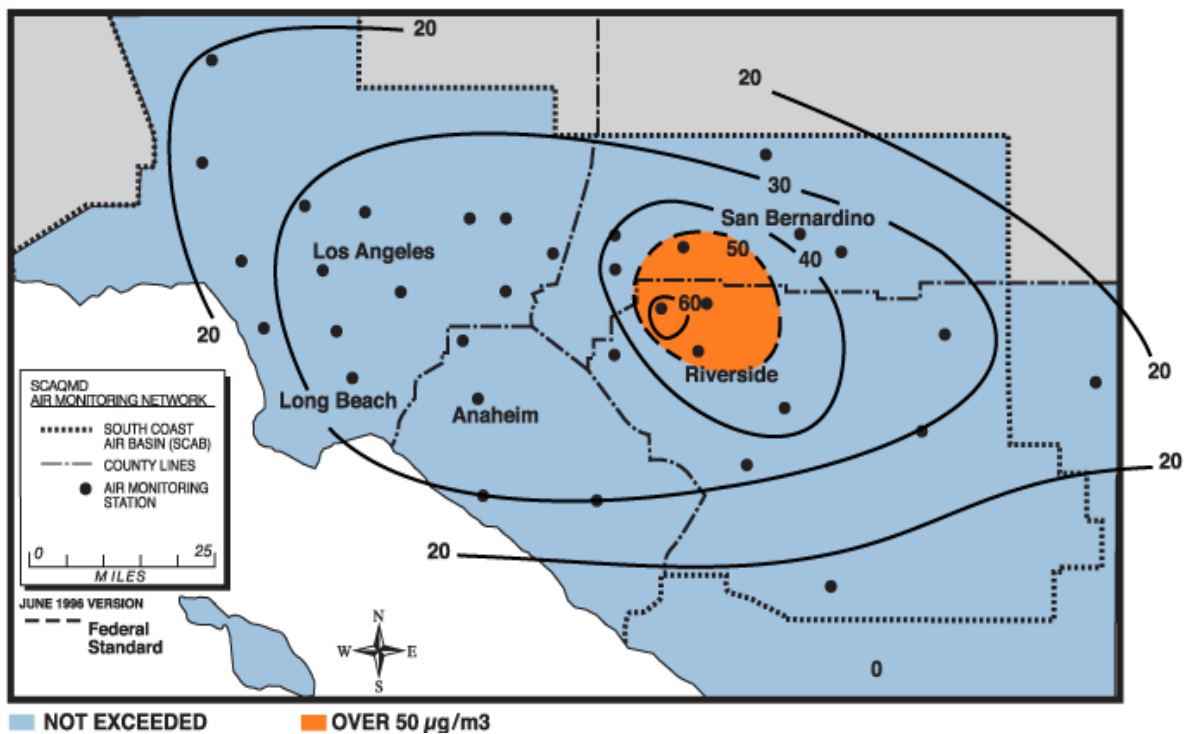


Figure 5
PM10 - 2007
Annual Arithmetic Mean, µg/m³

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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.

November and December 2007 Air Quality

Air quality statistics for 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 tables.

Table 1 (below) summarizes the maximum concentrations recorded and location of the maximum during November-December 2007. Tables 2 and 3 summarize air quality statistics for the South Coast Air Basin and the desert area of Coachella Valley monitoring areas for the months of November and December. The tables show maximum concentrations of the pollutants in each source/receptor area and number of days on which the locations monitored exceeded federal and/or state standards during the months of November and December 2007. Figure 7 shows the location of the District's air monitoring stations in each source/receptor area.

**Table 1
 Maximum Concentrations Reported in November/December 2007
 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	> 0.09 ppm	> 0.12 ppm	0.07	74%	56%	Several Locations
8-Hour	> 0.070 ppm	> 0.08 ppm	0.060	85%	71%	Several Locations
Particulate (PM2.5)						
24-Hour		> 35 µg/m ³	82.9		234%	South Coastal LA County
Particulate (PM10)						
24-Hour	> 50 µg/m ³	> 150 µg/m ³	122	239%	81%	Mira Loma
Carbon Monoxide						
8-Hour	> 9.0 ppm	> 9 ppm	4.38	48%	46%	South Central Los Angeles County
Nitrogen Dioxide						
1-Hour	> 0.25 ppm		0.10	53%		Several Locations
Sulfur Dioxide						
1-Hour	> 0.25 ppm		0.02	8%		South Coastal Los Angeles County and Southwest Coastal LA County
24-Hour	> 0.04 ppm	> 0.14 ppm	0.006	15%	4%	South Coastal Los Angeles County
Sulfates						
24-Hour	>= 25 µg/m ³		9.6	38%		South Central Los Angeles County
Lead*						
30-Day	>= 1.5 µg/m ³		0.03	2%		South Central Los Angeles County

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

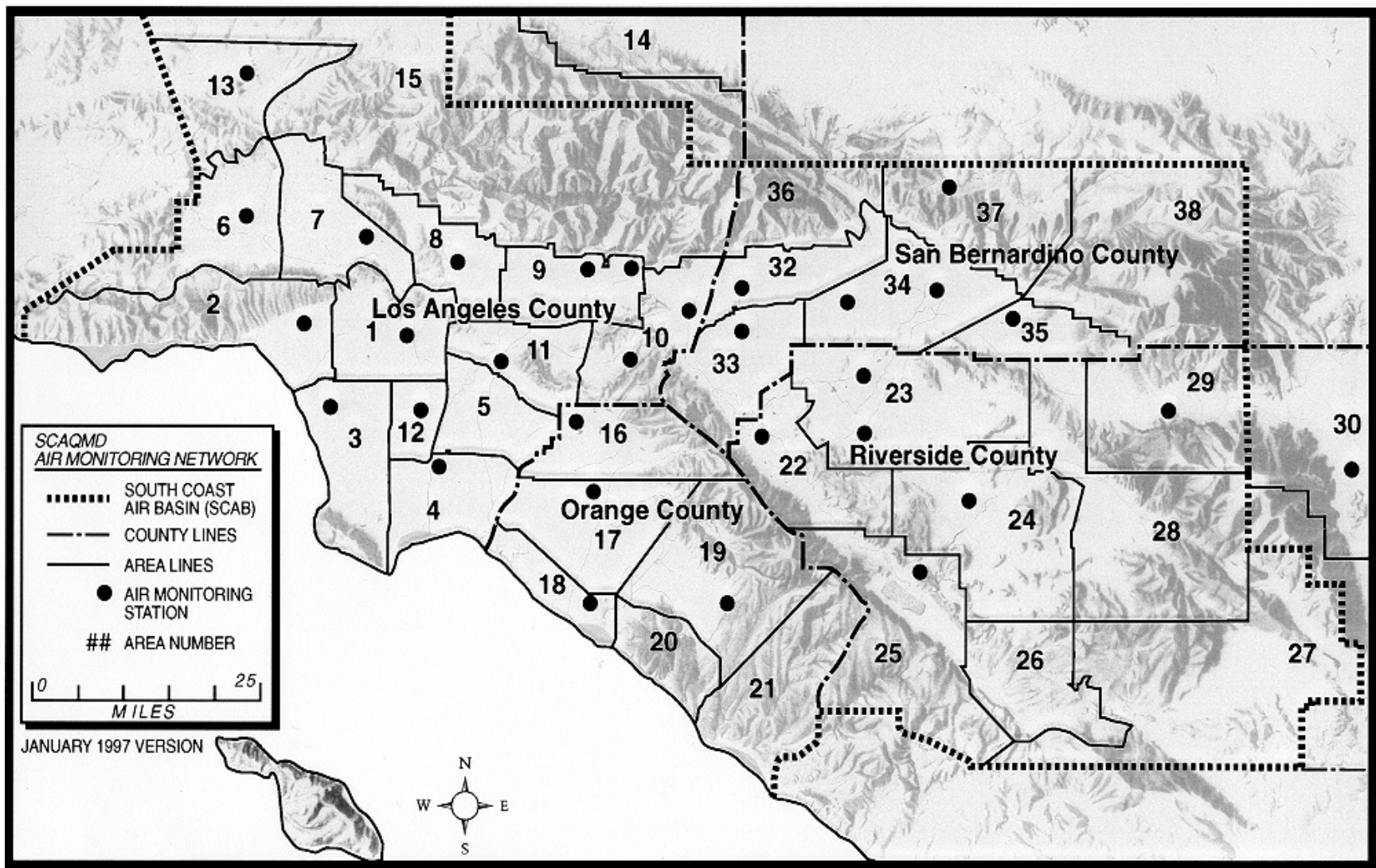


Figure 7
 South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert
 Air Basins and Monitoring Stations

Table 2
November 2007
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station Number		Ozone						Carbon Monoxide		Nitrogen Dioxide			Sulfur Dioxide		
		District Code	State Code	No. Days Exceeding						Days Exceeding State/ Federal Standard	Max 8-hour ppm	Days Exceeding State Standard ^{b)}			Max 24-hour ppm	Max 1-hour ppm	
				State Standard 1-hour	Health 8-hour	Advisory	Federal Standard ^{a)} 1-hour	8-hour	Max 1-hour ppm			Max 8-hour ppm	1-hour > 0.18 ppm	1-hour > 0.25 ppm			Max 1-hour ppm
LOS ANGELES COUNTY																	
1	Central LA	87	70087	0	0	0	0	0	0.04	0.031	0/0	2.00	0	0	0.09	0.001	0.00
2	Northwest Coastal LA County	91	70091	0	0	0	0	0	0.07	0.048	0/0	1.50	0	0	0.06		
3	Southwest Coastal LA County	820	70111	0	0	0	0	0	0.06	0.055	0/0	1.70	0	0	0.08		
4	South Coastal LA County 1	72	70072	0	0	0	0	0	0.05	0.042	0/0	2.29	0	0	0.08	0.006	0.01
4	South Coastal LA County 2	77	70110														
6	West San Fernando Valley	74	70074	0	0	0	0	0	0.06	0.043	0/0	2.75	0	0	0.06		
7	East San Fernando Valley	69	70069	0	0	0	0	0	0.06	0.043	0/0	2.57	0	0	0.08	0.001	0.00
8	West San Gabriel Valley	88	70088	0	0	0	0	0	0.06	0.042	0/0	2.38	0	0	0.09		
9	East San Gabriel Valley 1	60	70060	0	0	0	0	0	0.05	0.043	0/0	1.88	0	0	0.10		
9	East San Gabriel Valley 2	591	70591	0	0	0	0	0	0.05	0.047	0/0	2.00	0	0	0.09		
10	Pomona/Walnut Valley	75	70075	0	0	0	0	0	0.05	0.041	0/0	1.75	0	0	0.10		
11	South San Gabriel Valley	85	70185	0	0	0	0	0	0.05	0.041	0/0	1.88	0	0	0.10		
12	South Central LA County	84	70084	0	0	0	0	0	0.04	0.032	0/0	3.29	0	0	0.07		
13	Santa Clarita Valley	90	70090	0	0	0	0	0	0.07	0.056	0/0	1.00	0	0	0.08		
ORANGE COUNTY																	
16	North Orange County	3177	30177	0	0	0	0	0	0.05	0.047	0/0	2.00	0	0	0.07		
17	Central Orange County	3178*	30178	0	0	0	0	0	0.05	0.050	0/0	1.75	0	0	0.07		
18	North Coastal Orange County	3195	30195	0	0	0	0	0	0.06	0.050	0/0	2.29	0	0	0.06	0.001	0.01
19	Saddleback Valley	3182*	30002	0	0	0	0	0	0.05	0.045	0/0	1.00					
RIVERSIDE COUNTY																	
22	Norco/Corona	4155	33155														
23	Metropolitan Riverside County 1	4144	33144	0	0	0	0	0	0.06	0.046	0/0	2.00	0	0	0.07	0.001	0.00
23	Metropolitan Riverside County 2	4146	33146								0/0	2.00					
23	Mira Loma	5214	33165	0	0	0	0	0	0.05	0.048	0/0	2.00	0	0	0.06		
24	Perris Valley	4149	33149	0	0	0	0	0	0.06	0.047							
25	Lake Elsinore	4158	33158	0	0	0	0	0	0.07	0.060	0/0	1.00	0	0	0.06		
29	Banning Airport	4164	33164	0	0	0	0	0	0.07	0.060			0	0	0.07		
30	Coachella Valley 1**	4137	33137	0	0	0	0	0	0.07	0.055	0/0	1.00	0	0	0.06		
30	Coachella Valley 2**	4157	33157	0	0	0	0	0	0.07	0.056							
SANBERNARDINO COUNTY																	
32	Northwest San Bernardino Valley	5175	36175	0	0	0	0	0	0.06	0.047	0/0	1.63	0	0	0.09		
33	Southwest San Bernardino Valley	5817	36025														
34	Central San Bernardino Valley 1	5197	36197	0	0	0	0	0	0.06	0.050	0/0	1.63	0	0	0.07	0.001	0.00
34	Central San Bernardino Valley 2	5203	36203	0	0	0	0	0	0.05	0.046	0/0	1.88	0	0	0.08		
35	East San Bernardino Valley	5204	36204	0	0	0	0	0	0.06	0.053							
37	Central San Bernardino Mountains	5181	36181	0	0	0	0	0	0.07	0.060							
38	East San Bernardino Mountains	5818	36001														
District Maximum				0	0	0	0	0	0.07	0.060	0/0	3.29	0	0	0.10	0.006	0.01

a) The federal 1hour ozone standard was revoked and replaced by the 8hour average standard effective June 15, 2005. U.S. EPA has revised the 1997 federal 8hour ozone standard from 0.084 ppm to 0.075 ppm, effective May 27, 2008. Data for previous standards are provided for information only.

b) California Air Resources Board has revised the NO2 1hour standard from 0.25 ppm to 0.18 ppm, effective March 20, 2008.

* Revised/corrected station number.

** Salton Sea Air Basin.a) California Air Resources Board has revised the NO2 1hour standard from 0.25 ppm to 0.18 ppm, effective March 20, 2008.

Table 2 (continued)
November 2007

Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station Number		PM10				PM2.5				Lead		Sulfate	
				No. (%) Days Exceeding		Number Days Sampled	Max 24-hour Average µg/m3	Number Days Sampled	Number of Days Exceeding Federal Standard ^{c)}		Max 24-hour Average µg/m3	Number Days Sampled	Monthly Average µg/m3	Number Days Sampled	Max 24-hour Average µg/m3
		State Standard	Federal Standard	> 35 µg/m3	>65 µg/m3										
LOS ANGELES COUNTY															
1	Central LA	87	70087	2(40%)	0(0%)	5	77	30	8	0	64.2	5	0.02	5	9.0
2	Northwest Coastal LA County	91	70091											3	5.2
3	Southwest Coastal LA County	820	70111	0(0%)	0(%)	4	45								
4	South Coastal LA County 1	72	70072	1(20%)	0(0%)	5	53	30	6	1	82.9	5	0.01	5	9.4
4	South Coastal LA County 2	77	70110	3(75%)	0(0%)	4	65	28	4	1	68.0				
6	West San Fernando Valley	74	70074					8	1	0	43.3				
7	East San Fernando Valley	69	70069	2(100%)	0(0%)	2	78	9	6	0	50.4				
8	West San Gabriel Valley	88	70088					9	2	0	49.5			5	6.0
9	East San Gabriel Valley 1	60	70060	3(60%)	0(0%)	5	80	23	9	0	63.8			5	7.3
9	East San Gabriel Valley 2	591	70591												
10	Pomona/Walnut Valley	75	70075												
11	South San Gabriel Valley	85	70185					6	3	0	49.6	4	0.00	4	8.4
12	South Central LA County	84	70084					8	2	0	46.1	5	0.02	5	9.6
13	Santa Clarita Valley	90	70090	0(0%)	0(0%)	5	43								
ORANGE COUNTY															
16	North Orange County	3177	30177												
17	Central Orange County	3178*	30178	1(20%)	0(0%)	5	54	30	6	1	79.4				
18	North Coastal Orange County	3195	30195												
19	Saddleback Valley	3182*	30002	1(20%)	0(0%)	5	55	10	2	0	46.9				
RIVERSIDE COUNTY															
22	Norco/Corona	4155	33155	4(80%)	0(0%)	5	68								
23	Metropolitan Riverside County 1	4144	33144	9(90%)	0(0%)	10	98	27	11	2	72.1	5	0.02	5	9.3
23	Metropolitan Riverside County 2	4146	33146					10	5	1	68.6	5	0.01	5	9.3
23	Mira Loma	5214	33165	5(100%)	0(0%)	5	122	10	5	1	69.7				
24	Perris Valley	4149	33149	5(100%)	0(0%)	5	102								
25	Lake Elsinore	4158	33158												
29	Banning Airport	4164	33164	1(20%)	0(0%)	5	65								
30	Coachella Valley 1**	4137	33137	1(25%)	0(0%)	4	51	10	0	0	32.5				
30	Coachella Valley 2**	4157	33157	3(60%)	0(0%)	5	75	9	0	0	24.0				
SANBERNARDINO COUNTY															
32	Northwest San Bernardino Valley	5175	36175									5	0.02	5	6.9
33	Southwest San Bernardino Valley	5817	36025	5(100%)	0(0%)	5	88	6	3	0	56.9				
34	Central San Bernardino Valley 1	5197	36197	3(75%)	0(0%)	4	107	10	4	2	69.6			5	9.3
34	Central San Bernardino Valley 2	5203	36203	3(60%)	0(0%)	5	106	9	4	2	70.8	5	0.02	5	9.0
35	East San Bernardino Valley	5204	36204	2(40%)	0(0%)	5	88								
37	Central San Bernardino Mountains	5181	36181	0(0%)	0(0%)	1	16								
38	East San Bernardino Mountains	5818	36001					5	0	0	26.5				
District Maximum				9	0		122		11	2	82.9		0.02		9.6

c) U.S. EPA has revised the 24-hour federal standard level for PM2.5 from 65 µg/m³ to 35 µg/m³, effective December 17, 2006. Data is provided for information only.

Table 3
December 2007
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station Number		Ozone						Carbon Monoxide		Nitrogen Dioxide			Sulfur Dioxide		
		District Code	State Code	No. Days Exceeding						Days Exceeding State/ Federal Standard	Max 8-hour ppm	Days Exceeding State Standard ^{b)}			Max 24-hour ppm	Max 1-hour ppm	
				State Standard 1-hour	Health 8-hour	Advisory	Federal Standard ^{a)} 1-hour	8-hour	Max 1-hour ppm			Max 8-hour ppm	1-hour > 0.18 ppm	1-hour > 0.25 ppm			Max 1-hour ppm
LOS ANGELES COUNTY																	
1	Central LA	87	70087	0	0	0	0	0	0.04	0.033	0/0	2.13	0	0	0.08	0.001	0.00
2	Northwest Coastal LA County	91	70091	0	0	0	0	0	0.04	0.040	0/0	1.88	0	0	0.06		
3	Southwest Coastal LA County	820	70111	0	0	0	0	0	0.04	0.040	0/0	2.00	0	0	0.06	0.002	0.02
4	South Coastal LA County 1	72	70072	0	0	0	0	0	0.04	0.040	0/0	2.43	0	0	0.07	0.003	0.02
4	South Coastal LA County 2	77	70110														
6	West San Fernando Valley	74	70074	0	0	0	0	0	0.05	0.041	0/0	2.71	0	0	0.06		
7	East San Fernando Valley	69	70069	0	0	0	0	0	0.04	0.038	0/0	2.63	0	0	0.08	0.001	0.01
8	West San Gabriel Valley	88	70088	0	0	0	0	0	0.04	0.040	0/0	1.88	0	0	0.06		
9	East San Gabriel Valley 1	60	70060	0	0	0	0	0	0.05	0.048	0/0	1.14	0	0	0.06		
9	East San Gabriel Valley 2	591	70591	0	0	0	0	0	0.04	0.040	0/0	1.00	0	0	0.05		
10	Pomona/Walnut Valley	75	70075	0	0	0	0	0	0.04	0.037	0/0	1.88	0	0	0.07		
11	South San Gabriel Valley	85	70185	0	0	0	0	0	0.04	0.040	0/0	2.14	0	0	0.07		
12	South Central LA County	84	70084	0	0	0	0	0	0.03	0.030	0/0	4.38	0	0	0.07		
13	Santa Clarita Valley	90	70090	0	0	0	0	0	0.05	0.045	0/0	1.14	0	0	0.08		
ORANGE COUNTY																	
16	North Orange County	3177	30177	0	0	0	0	0	0.04	0.036	0/0	2.38	0	0	0.07		
17	Central Orange County	3178*	30178	0	0	0	0	0	0.05	0.040	0/0	2.88	0	0	0.08		
18	North Coastal Orange County	3195	30195	0	0	0	0	0	0.05	0.041	0/0	2.57	0	0	0.07	0.001	0.01
19	Saddleback Valley	3182*	30002	0	0	0	0	0	0.04	0.040	0/0	1.38					
RIVERSIDE COUNTY																	
22	Norco/Corona	4155	33155														
23	Metropolitan Riverside County 1	4144	33144	0	0	0	0	0	0.04	0.040	0/0	2.00	0	0	0.06	0.001	0.01
23	Metropolitan Riverside County 2	4146	33146								0/0	2.13					
23	Mira Loma	5214	33165	0	0	0	0	0	0.04	0.040	0/0	2.00	0	0	0.06		
24	Perris Valley	4149	33149	0	0	0	0	0	0.04	0.040							
25	Lake Elsinore	4158	33158	0	0	0	0	0	0.04	0.040	0/0	1.00	0	0	0.04		
29	Banning Airport	4164	33164	0	0	0	0	0	0.05	0.043			0	0	0.05		
30	Coachella Valley 1**	4137	33137	0	0	0	0	0	0.05	0.040	0/0	0.88	0	0	0.05		
30	Coachella Valley 2**	4157	33157	0	0	0	0	0	0.05	0.040							
SANBERNARDINO COUNTY																	
32	Northwest San Bernardino Valley	5175	36175	0	0	0	0	0	0.05	0.041	0/0	1.25	0	0	0.05		
33	Southwest San Bernardino Valley	5817	36025														
34	Central San Bernardino Valley 1	5197	36197	0	0	0	0	0	0.05	0.050	0/0	1.43	0	0	0.06	0.001	0.00
34	Central San Bernardino Valley 2	5203	36203	0	0	0	0	0	0.05	0.043	0/0	1.57	0	0	0.07		
35	East San Bernardino Valley	5204	36204	0	0	0	0	0	0.05	0.045							
37	Central San Bernardino Mountains	5181	36181	0	0	0	0	0	0.05	0.048							
38	East San Bernardino Mountains	5818	36001														
District Maximum				0	0	0	0	0	0.05	0.050	0/0	4.38	0	0	0.08	0.003	0.02

a) The federal 1hour ozone standard was revoked and replaced by the 8hour average standard effective June 15, 2005. U.S. EPA has revised the 1997 federal 8hour ozone standard from 0.084 ppm to 0.075 ppm, effective May 27, 2008. Data for previous standards are provided for information only.

b) California Air Resources Board has revised the NO2 1hour standard from 0.25 ppm to 0.18 ppm, effective March 20, 2008.

* Revised/corrected station number.

** Salton Sea Air Basin.

Table 3 (continued)
December 2007
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station Number		PM10				PM2.5			Lead		Sulfate		
				No. (%) Days Exceeding		Number Days Sampled	Max 24-hour Average µg/m ³	Number Days Sampled	Number of Days Exceeding Federal Standard ^{c)}		Max 24-hour Average µg/m ³	Number Days Sampled	Monthly Average µg/m ³	Number Days Sampled	Max 24-hour Average µg/m ³
		State Standard	Federal Standard	> 35 µg/m ³	>65 µg/m ³										
LOS ANGELES COUNTY															
1	Central LA	87	70087	0(0%)	0(0%)	5	34	24	1	0	40.4	5	0.01	5	2.4
2	Northwest Coastal LA County	91	70091											5	2.4
3	Southwest Coastal LA County	820	70111	0(0%)	0(0%)	5	33								
4	South Coastal LA County 1	72	70072	0(0%)	0(0%)	5	34	30	1	0	40.8	5	0.01	5	3.6
4	South Coastal LA County 2	77	70110	1(20%)	0(0%)	5	67	31	0	0	32.9				
6	West San Fernando Valley	74	70074					9	0	0	26.9				
7	East San Fernando Valley	69	70069	0(0%)	0(0%)	5	47	6	0	0	17.9				
8	West San Gabriel Valley	88	70088					9	0	0	21.0			5	1.2
9	East San Gabriel Valley 1	60	70060	0(0%)	0(0%)	5	25	28	1	0	39.5			5	1.5
9	East San Gabriel Valley 2	591	70591												
10	Pomona/Walnut Valley	75	70075												
11	South San Gabriel Valley	85	70185					10	0	0	28.7	5	0.00	5	2.7
12	South Central LA County	84	70084					9	0	0	29.9	5	0.03	5	3.0
13	Santa Clarita Valley	90	70090	0(0%)	0(0%)	5	21								
ORANGE COUNTY															
16	North Orange County	3177	30177												
17	Central Orange County	3178*	30178	0(0%)	0(0%)	5	33	31	1	0	37.7				
18	North Coastal Orange County	3195	30195												
19	Saddleback Valley	3182*	30002	0(0%)	0(0%)	5	26	10	0	0	16.5				
RIVERSIDE COUNTY															
22	Norco/Corona	4155	33155	0(0%)	0(0%)	5	47								
23	Metropolitan Riverside County 1	4144	33144	2(20%)	0(0%)	10	55	20	1	0	51.2	5	0.00	5	1.9
23	Metropolitan Riverside County 2	4146	33146					10	0	0	32.5	5	0.01	5	1.4
23	Mira Loma	5214	33165	1(20%)	0(0%)	5	71	10	1	0	37.4				
24	Perris Valley	4149	33149	1(20%)	0(0%)	5	53								
25	Lake Elsinore	4158	33158												
29	Banning Airport	4164	33164	0(0%)	0(0%)	5	25								
30	Coachella Valley 1**	4137	33137	0(0%)	0(0%)	5	22	10	0	0	12.5				
30	Coachella Valley 2**	4157	33157	0(0%)	0(0%)	4	41	10	0	0	26.5				
SANBERNARDINO COUNTY															
32	Northwest San Bernardino Valley	5175	36175									5	0.00	5	1.4
33	Southwest San Bernardino Valley	5817	36025	0(0%)	0(0%)	5	50	5	0	0	31.3				
34	Central San Bernardino Valley 1	5197	36197	0(0%)	0(0%)	4	50	8	0	0	26.0			4	2.0
34	Central San Bernardino Valley 2	5203	36203	1(20%)	0(0%)	5	52	10	0	0	26.4	5	0.00	5	1.5
35	East San Bernardino Valley	5204	36204	0(0%)	0(0%)	5	28								
37	Central San Bernardino Mountains	5181	36181												
38	East San Bernardino Mountains	5818	36001					5	0	0	34.0				
District Maximum				2	0		71		1	0	51.2		0.03		3.6

c) U.S. EPA has revised the 24-hour federal standard level for PM2.5 from 65 µg/m³ to 35 µg/m³, effective December 17, 2006. Data is provided for information only.