

Air Quality Standards Compliance Report (AQSCR)

Statistics for January/February 2007

Vol. 20, No. 1

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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.

Air Quality Standards

Table 1 (below) shows updated current state and federal ambient air quality standards as of December 2007.

Standards Under Review

Ozone - On June 20, 2007, the U.S. EPA proposed revisions to the National Ambient Air Quality Standards for ozone. The range proposed are 0.070 to 0.075 ppm. The public comment period was

closed on October 15, 2007. The projected number of days exceeding the proposed federal ozone standard in the Basin for the levels 0.070 ppm and 0.075 ppm is estimated to increase by 58% and 36%, respectively.

Nitrogen Dioxide - California ARB has amended the nitrogen dioxide state standard to lower the 1-hour standard from 0.25 ppm to 0.18 ppm and establish a new annual state standard of 0.030 ppm. These changes are expected to become effective in early 2008.

January and February 2007 Air Quality

Air quality statistics for the months of January and February are summarized in Tables 2 and 3. 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 January and February 2007. Figure 1 shows the location of the District's air monitoring stations in each source/receptor area.

Table 1
Ambient Air Quality Standards

	CALIFORNIA	FEDERAL
AIR POLLUTANT	CONCENTRATION (> OR ≥)	CONCENTRATION (>)
Ozone	0.09 ppm, 1-hour average > 0.070 ppm, 8-hour average >	0.08 ppm, 8-hour average
Suspended Particulate Matter (PM2.5)	12.0 µg/m ³ , annual arithmetic mean >	15.0 µg/m ³ , annual arithmetic mean 35 µg/m ³ , 24-hour average
Suspended Particulate Matter (PM10)	20 µg/m ³ , annual arithmetic mean > 50 µg/m ³ , 24-hour average >	150 µg/m ³ , 24-hour average
Carbon Monoxide	9.0 ppm, 8-hour average > 20 ppm, 1-hour average >	9 ppm, 8-hour average 35 ppm, 1-hour average
Nitrogen Dioxide	0.18 ppm, 1-hour average > 0.030 ppm, annual average >	0.053 ppm, annual average
Sulfur Dioxide	0.04 ppm, 24-hour average > 0.25 ppm, 1-hour average >	0.14 ppm, 24-hour average 0.03 ppm, annual average
Lead	1.5 µg/m ³ , 30-day average ≥	1.5 µg/m ³ , calendar quarter
Sulfates	25 µg/m ³ , 24-hour average ≥	No Federal Standard



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

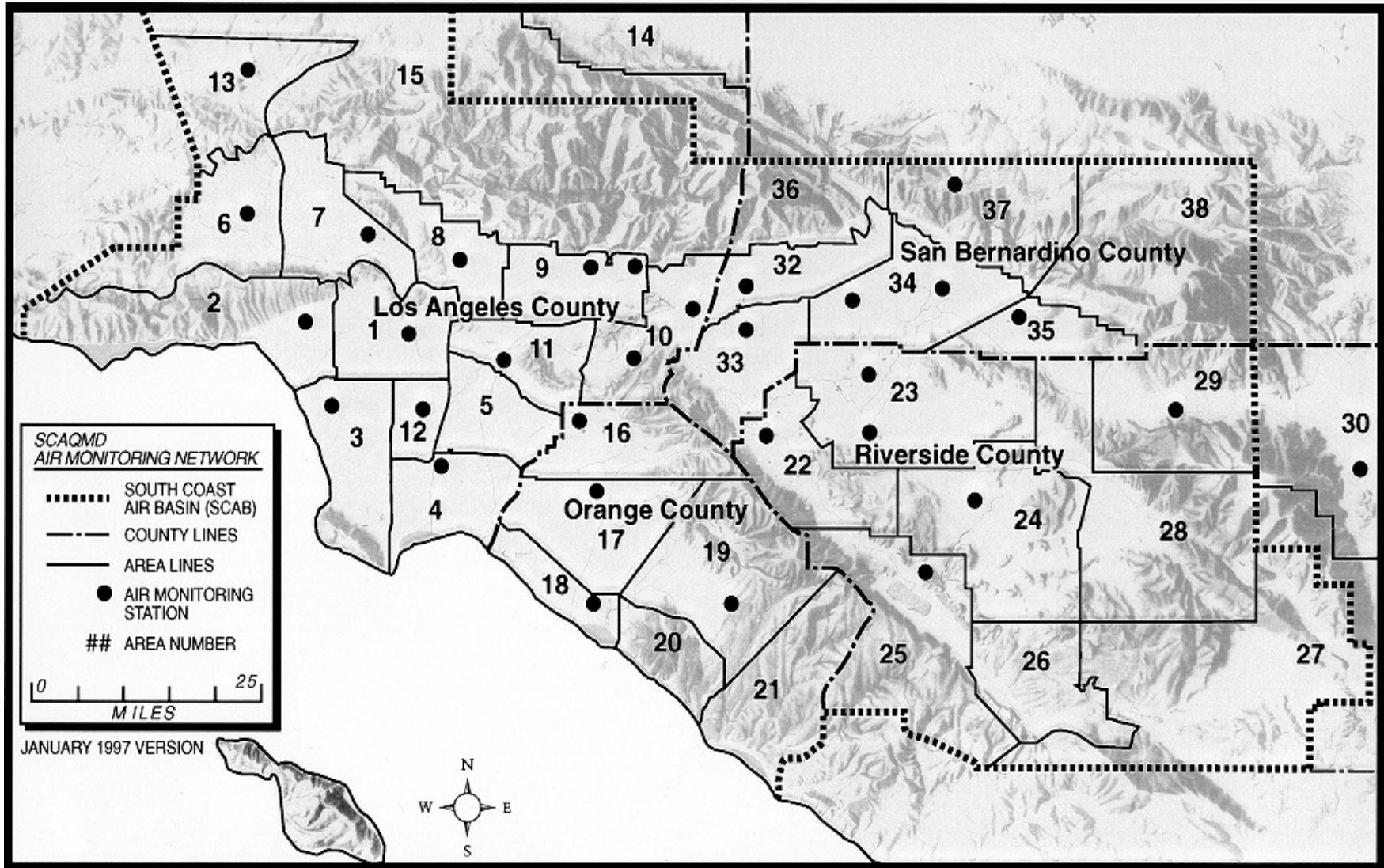


Figure 1
South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert
Air Basins and Monitoring Stations

Table 2
January 2007
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station Number		Ozone						Carbon Monoxide		Nitrogen Dioxide			Sulfur Dioxide		
				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		Health Advisory	Federal Standard		Max 1-hour	Max 8-hour	1-hour > 0.18 ppm			1-hour > 0.25 ppm	Max 1-hour ppm				
District Code	State Code	1-hour	8-hour		1-hour ^{a)}	8-hour	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
LOS ANGELES COUNTY																	
1	Central LA	87	70087	0	0	0	0	0	0.04	0.035	0/0	2.17	0	0	0.07	0.002	0.01
2	Northwest Coastal LA County	91	70091	0	0	0	0	0	0.04	0.038	0/0	1.43	0	0	0.07		
3	Southwest Coastal LA County	820	70111	0	0	0	0	0	0.05	0.043	0/0	2.10	0	0	0.08	0.009	0.02
4	South Coastal LA County 1	72	70072	0	0	0	0	0	0.04	0.032	0/0	2.57	0	0	0.08	0.012	0.02
4	South Coastal LA County 2	77	70110														
6	West San Fernando Valley	74	70074	0	0	0	0	0	0.04	0.040	0/0	2.63	0	0	0.06		
7	East San Fernando Valley	69	70069	0	0	0	0	0	0.05	0.040	0/0	2.75	0	0	0.07	0.001	0.00
8	West San Gabriel Valley	88	70088	0	0	0	0	0	0.05	0.041	0/0	2.00	0	0	0.07		
9	East San Gabriel Valley 1	60	70060	0	0	0	0	0	0.05	0.043	0/0	1.00	0	0	0.08		
9	East San Gabriel Valley 2	591	70591	0	0	0	0	0	0.04	0.040	0/0	1.00	0	0	0.06		
10	Pomona/Walnut Valley	75	70075	0	0	0	0	0	0.04	0.037	0/0	1.86	0	0	0.07		
11	South San Gabriel Valley	85	70185	0	0	0	0	0	0.04	0.036	0/0	2.57	0	0	0.11		
12	South Central LA County	84	70084	0	0	0	0	0	0.04	0.037	0/0	5.14	0	0	0.09		
13	Santa Clarita Valley	90	70090	0	0	0	0	0	0.05	0.041	0/0	1.14	0	0	0.06		
ORANGE COUNTY																	
16	North Orange County	3177	30177	0	0	0	0	0	0.04	0.038	0/0	3.00	0	0	0.06		
17	Central Orange County	3178*	30178	0	0	0	0	0	0.04	0.038	0/0	1.86	0	0	0.06		
18	North Coastal Orange County	3195	30195	0	0	0	0	0	0.04	0.040	0/0	2.14	0	0	0.07	0.001	0.00
19	Saddleback Valley	3182*	30002	0	0	0	0	0	0.05	0.043	0/0	0.88					
RIVERSIDE COUNTY																	
22	Norco/Corona	4155	33155														
23	Metropolitan Riverside County 1	4144	33144	0	0	0	0	0	0.05	0.045	0/0	2.14	0	0	0.06	0.001	0.01
23	Metropolitan Riverside County 2	4146	33146								0/0	2.00					
23	Mira Loma	5214	33165	0	0	0	0	0	0.05	0.046	0/0	1.90	0	0	0.07		
24	Perris Valley	4149	33149	0	0	0	0	0	0.05	0.045							
25	Lake Elsinore	4158	33158	0	0	0	0	0	0.05	0.047	0/0	1.00	0	0	0.05		
29	Banning Airport	4164	33164	0	0	0	0	0	0.05	0.050			0	0	0.05		
30	Coachella Valley 1**	4137	33137	0	0	0	0	0	0.05	0.046	0/0	1.00	0	0	0.05		
30	Coachella Valley 2**	4157	33157	0	0	0	0	0	0.05	0.042							
SAN BERNARDINO COUNTY																	
32	Northwest San Bernardino Valley	5175	36175	0	0	0	0	0	0.05	0.042	0/0	1.43	0	0	0.06		
33	Southwest San Bernardino Valley	5817	36025														
34	Central San Bernardino Valley 1	5197	36197	0	0	0	0	0	0.05	0.048	0/0	1.50	0	0	0.06	0.004	0.01
34	Central San Bernardino Valley 2	5203	36203	0	0	0	0	0	0.05	0.047	0/0	1.57	0	0	0.06		
35	East San Bernardino Valley	5204	36204	0	0	0	0	0	0.05	0.043							
37	Central San Bernardino Mountains	5181	36181	0	0	0	0	0	0.05	0.050							
38	East San Bernardino Mountains	5818	36001														
District Maximum				0	0	0	0	0	0.05	0.050	0/0	5.14	0	0	0.11	0.012	0.02

a) The federal 1-hour ozone standard was revoked and replaced by the 8-hour average standard effective June 15, 2005. Data is provided for information.

b) California Air Resources Board has approved the proposal to lower the NO₂ 1-hour standard from 0.25 ppm to 0.18 ppm. The revision is expected to become effective in early 2008.

* Revised/corrected station number.

** Salton Sea Air Basin.

Table 2 (continued)
January 2007
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station Number		PM10				PM2.5			Lead		Sulfate		
		District No.	State No.	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	0(0%)	0(0%)	5	46	14	0	0	26.7	5	0.02	5	3.5
2	Northwest Coastal LA County	91	70091											5	3.4
3	Southwest Coastal LA County	820	70111	0(0%)	0(0%)	5	48							5	5.1
4	South Coastal LA County 1	72	70072	2(40%)	0(0%)	5	54	20	0	0	31.8	5	0.01	5	6.6
4	South Coastal LA County 2	77	70110	3(60%)	0(0%)	5	87	9	1	0	38.4				
6	West San Fernando Valley	74	70074					6	0	0	18.9				
7	East San Fernando Valley	69	70069	1(20%)	0(0%)	5	55	7	0	0	24.6				
8	West San Gabriel Valley	88	70088					9	0	0	19.0			3	2.8
9	East San Gabriel Valley 1	60	70060	0(0%)	0(0%)	3	25	29	0	0	24.5			5	2.6
9	East San Gabriel Valley 2	591	70591												
10	Pomona/Walnut Valley	75	70075												
11	South San Gabriel Valley	85	70185					9	0	0	33.9	5	0.02	5	2.9
12	South Central LA County	84	70084					6	0	0	26.8	5	0.02	5	5.1
13	Santa Clarita Valley	90	70090	0(0%)	0(0%)	4	18								
ORANGE COUNTY															
16	North Orange County	3177	30177												
17	Central Orange County	3178*	30178	2(40%)	0(0%)	5	63	23	1	0	36.7				
18	North Coastal Orange County	3195	30195												
19	Saddleback Valley	3182*	30002	0(0%)	0(0%)	5	25	6	0	0	10.2				
RIVERSIDE COUNTY															
22	Norco/Corona	4155	33155	1(25%)	0(0%)	4	54								
23	Metropolitan Riverside County 1	4144	33144	3(33%)	0(0%)	9	76	19	0	0	30.3	5	0.01	5	2.8
23	Metropolitan Riverside County 2	4146	33146					4	0	0	23.2	5	0.01	5	1.8
23	Mira Loma	5214	33165					9	0	0	25.1				
24	Perris Valley	4149	33149	2(40%)	0(0%)	5	62								
25	Lake Elsinore	4158	33158												
29	Banning Airport	4164	33164	0(0%)	0(0%)	5	23								
30	Coachella Valley 1**	4137	33137	0(0%)	0(0%)	5	19	10	0	0	14.6				
30	Coachella Valley 2**	4157	33157	3(30%)	0(0%)	10	75	10	0	0	18.7				
SANBERNARDINO COUNTY															
32	Northwest San Bernardino Valley	5175	36175									5	0.01	5	2.3
33	Southwest San Bernardino Valley	5817	36025	0(0%)	0(0%)	5	46	8	0	0	27.8				
34	Central San Bernardino Valley 1	5197	36197	1(20%)	0(0%)	5	62	10	0	0	25.2			5	2.0
34	Central San Bernardino Valley 2	5203	36203	0(0%)	0(0%)	4	40	6	0	0	23.6	1	0.01	5	1.5
35	East San Bernardino Valley	5204	36204	0(0%)	0(0%)	5	21								
37	Central San Bernardino Mountains	5181	36181	0(0%)	0(0%)	5	37								
38	East San Bernardino Mountains	5818	36001					4	0	0	20.9				
District Maximum				3	0		87		1	0	38.4		0.02		6.6

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.

* Revised/corrected station number.

** Salton Sea Air Basin

Table 3
February 2007
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station Number		Ozone						Carbon Monoxide		Nitrogen Dioxide			Sulfur Dioxide		
				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 Advisory 8-hour	Federal Standard 1-hour ^{a)}	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	0.05	0.043	0/0	2.13	0	0	0.10	0.003	0.01
2	Northwest Coastal LA County	91	70091	0	0	0	0	0	0.05	0.041	0/0	1.43	0	0	0.07		
3	Southwest Coastal LA County	820	70111	0	0	0	0	0	0.06	0.051	0/0	2.10	0	0	0.06	0.007	0.01
4	South Coastal LA County 1	72	70072	0	0	0	0	0	0.04	0.038	0/0	2.00	0	0	0.08	0.011	0.02
4	South Coastal LA County 2	77	70110														
6	West San Fernando Valley	74	70074	0	0	0	0	0	0.06	0.046	0/0	1.86	0	0	0.06		
7	East San Fernando Valley	69	70069	0	0	0	0	0	0.06	0.048	0/0	2.29	0	0	0.08	0.001	0.00
8	West San Gabriel Valley	88	70088	0	0	0	0	0	0.06	0.046	0/0	2.25	0	0	0.07		
9	East San Gabriel Valley 1	60	70060	0	0	0	0	0	0.06	0.046	0/0	1.71	0	0	0.09		
9	East San Gabriel Valley 2	591	70591	0	0	0	0	0	0.06	0.050	0/0	1.43	0	0	0.10		
10	Pomona/Walnut Valley	75	70075	0	0	0	0	0	0.06	0.047	0/0	2.00	0	0	0.08		
11	South San Gabriel Valley	85	70185	0	0	0	0	0	0.06	0.045	0/0	2.86	0	0	0.10		
12	South Central LA County	84	70084	0	0	0	0	0	0.05	0.042	0/0	3.86	0	0	0.07		
13	Santa Clarita Valley	90	70090	0	0	0	0	0	0.05	0.047	0/0	1.00	0	0	0.07		
ORANGE COUNTY																	
16	North Orange County	3177	30177	0	0	0	0	0	0.05	0.040	0/0	2.14	0	0	0.07		
17	Central Orange County	3178*	30178	0	0	0	0	0	0.05	0.042	0/0	2.29	0	0	0.05		
18	North Coastal Orange County	3195	30195	0	0	0	0	0	0.05	0.041	0/0	1.71	0	0	0.06	0.001	0.01
19	Saddleback Valley	3182*	30002	0	0	0	0	0	0.06	0.048	0/0	1.00					
RIVERSIDE COUNTY																	
22	Norco/Corona	4155	33155														
23	Metropolitan Riverside County 1	4144	33144	0	0	0	0	0	0.05	0.043	0/0	2.00	0	0	0.06	0.002	0.02
23	Metropolitan Riverside County 2	4146	33146								0/0	1.88					
23	Mira Loma	5214	33165	0	0	0	0	0	0.06	0.046	0/0	1.80	0	0	0.06		
24	Perris Valley	4149	33149	0	0	0	0	0	0.05	0.048							
25	Lake Elsinore	4158	33158	0	0	0	0	0	0.06	0.053	0/0	1.00	0	0	0.06		
29	Banning Airport	4164	33164	0	0	0	0	0	0.06	0.051			0	0	0.05		
30	Coachella Valley 1**	4137	33137	0	0	0	0	0	0.06	0.050	0/0	0.63	0	0	0.05		
30	Coachella Valley 2**	4157	33157	0	0	0	0	0	0.06	0.046							
SAN BERNARDINO COUNTY																	
32	Northwest San Bernardino Valley	5175	36175	0	0	0	0	0	0.06	0.050	0/0	1.50	0	0	0.08		
33	Southwest San Bernardino Valley	5817	36025														
34	Central San Bernardino Valley 1	5197	36197	0	0	0	0	0	0.06	0.051	0/0	1.43	0	0	0.08	0.002	0.01
34	Central San Bernardino Valley 2	5203	36203	0	0	0	0	0	0.05	0.048	0/0	1.86	0	0	0.07		
35	East San Bernardino Valley	5204	36204	0	0	0	0	0	0.05	0.048							
37	Central San Bernardino Mountains	5181	36181	0	0	0	0	0	0.06	0.055							
38	East San Bernardino Mountains	5818	36001														
District Maximum				0	0	0	0	0	0.06	0.055	0/0	3.86	0	0	0.10	0.011	0.02

a) The federal 1-hour ozone standard was revoked and replaced by the 8-hour average standard effective June 15, 2005. Data is provided for information.

b) California Air Resources Board has approved the proposal to lower the NO2 1-hour standard from 0.25 ppm to 0.18 ppm. The revision is expected to become effective in early 2008.

* Revised/corrected station number.

** Salton Sea Air Basin.

Table 3 (continued)
February 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%)	3	26	24	3	0	45.4	2	0.00	4	2.5
2	Northwest Coastal LA County	91	70091											3	2.4
3	Southwest Coastal LA County	820	70111	0(0%)	0(0%)	3	28					1	0.00	1	6.2
4	South Coastal LA County 1	72	70072	0(0%)	0(0%)	4	35	28	2	0	42.8	2	0.01	3	5.7
4	South Coastal LA County 2	77	70110	2(50%)	0(0%)	4	59	20	0	0	27.5	3	0.01	3	6.1
6	West San Fernando Valley	74	70074					7	0	0	16.5				
7	East San Fernando Valley	69	70069	0(0%)	0(0%)	4	40	6	1	0	38.0				
8	West San Gabriel Valley	88	70088					9	0	0	32.8			4	3.6
9	East San Gabriel Valley 1	60	70060	0(0%)	0(0%)	3	18	15	2	0	45.7			3	2.0
9	East San Gabriel Valley 2	591	70591												
10	Pomona/Walnut Valley	75	70075												
11	South San Gabriel Valley	85	70185					8	0	0	24.9	1	0.00	4	3.2
12	South Central LA County	84	70084					9	1	0	48.7	1	0.01	4	3.9
13	Santa Clarita Valley	90	70090	0(0%)	0(0%)	4	17								
ORANGE COUNTY															
16	North Orange County	3177	30177												
17	Central Orange County	3178*	30178	0(0%)	0(0%)	3	37	21	3	0	43.7				
18	North Coastal Orange County	3195	30195												
19	Saddleback Valley	3182*	30002	0(0%)	0(0%)	4	20	7	0	0	30.4				
RIVERSIDE COUNTY															
22	Norco/Corona	4155	33155	0(0%)	0(0%)	4	36								
23	Metropolitan Riverside County 1	4144	33144	1(14%)	0(0%)	7	57	21	3	0	40.8	3	0.00	3	2.5
23	Metropolitan Riverside County 2	4146	33146					8	0	0	25.0	4	0.00	4	2.6
23	Mira Loma	5214	33165					8	1	0	39.5				
24	Perris Valley	4149	33149	2(50%)	0(0%)	4	120								
25	Lake Elsinore	4158	33158												
29	Banning Airport	4164	33164	0(0%)	0(0%)	4	15								
30	Coachella Valley 1**	4137	33137	0(0%)	0(0%)	3	18	7	0	0	9.7				
30	Coachella Valley 2**	4157	33157	6(75%)	0(0%)	8	87	7	0	0	14.1				
SANBERNARDINO COUNTY															
32	Northwest San Bernardino Valley	5175	36175									4	0.00	4	2.2
33	Southwest San Bernardino Valley	5817	36025	0(0%)	0(0%)	4	26	8	0	0	26.7				
34	Central San Bernardino Valley 1	5197	36197	0(0%)	0(0%)	4	41	9	1	0	37.5			4	2.2
34	Central San Bernardino Valley 2	5203	36203	0(0%)	0(0%)	3	33	8	0	0	23.6	4	0.01	4	2.8
35	East San Bernardino Valley	5204	36204	0(0%)	0(0%)	4	18								
37	Central San Bernardino Mountains	5181	36181	1(25%)	0(0%)	4	52								
38	East San Bernardino Mountains	5818	36001					4	0	0	16.7				
District Maximum				6	0		120		3	0	48.7		0.01		6.2

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.

* Revised/corrected station number.

** Salton Sea Air Basin