APPENDIX A

SCAQMD Network Depictions

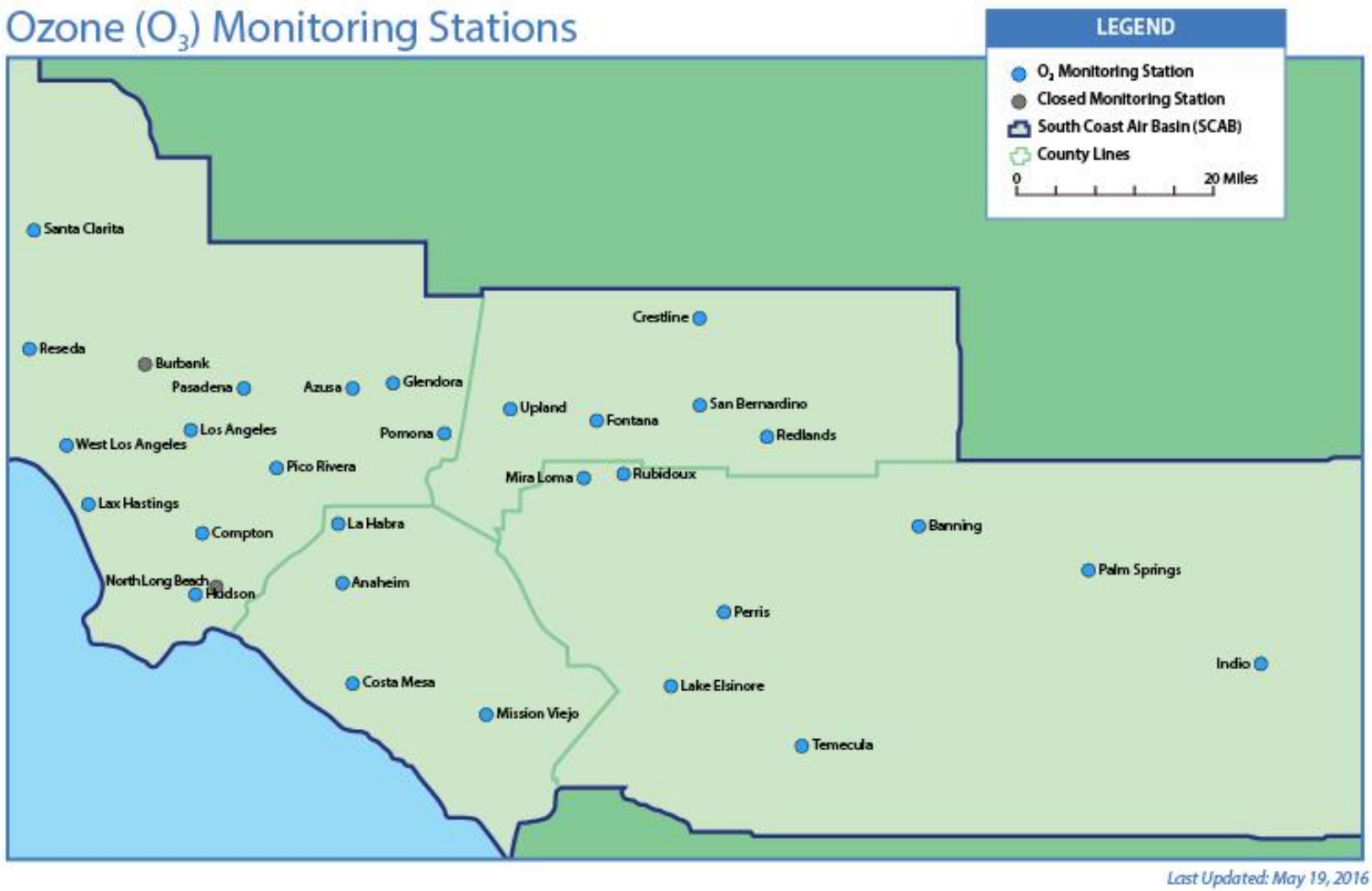

Figure 1 SCAQMD Ozone Monitoring Locations

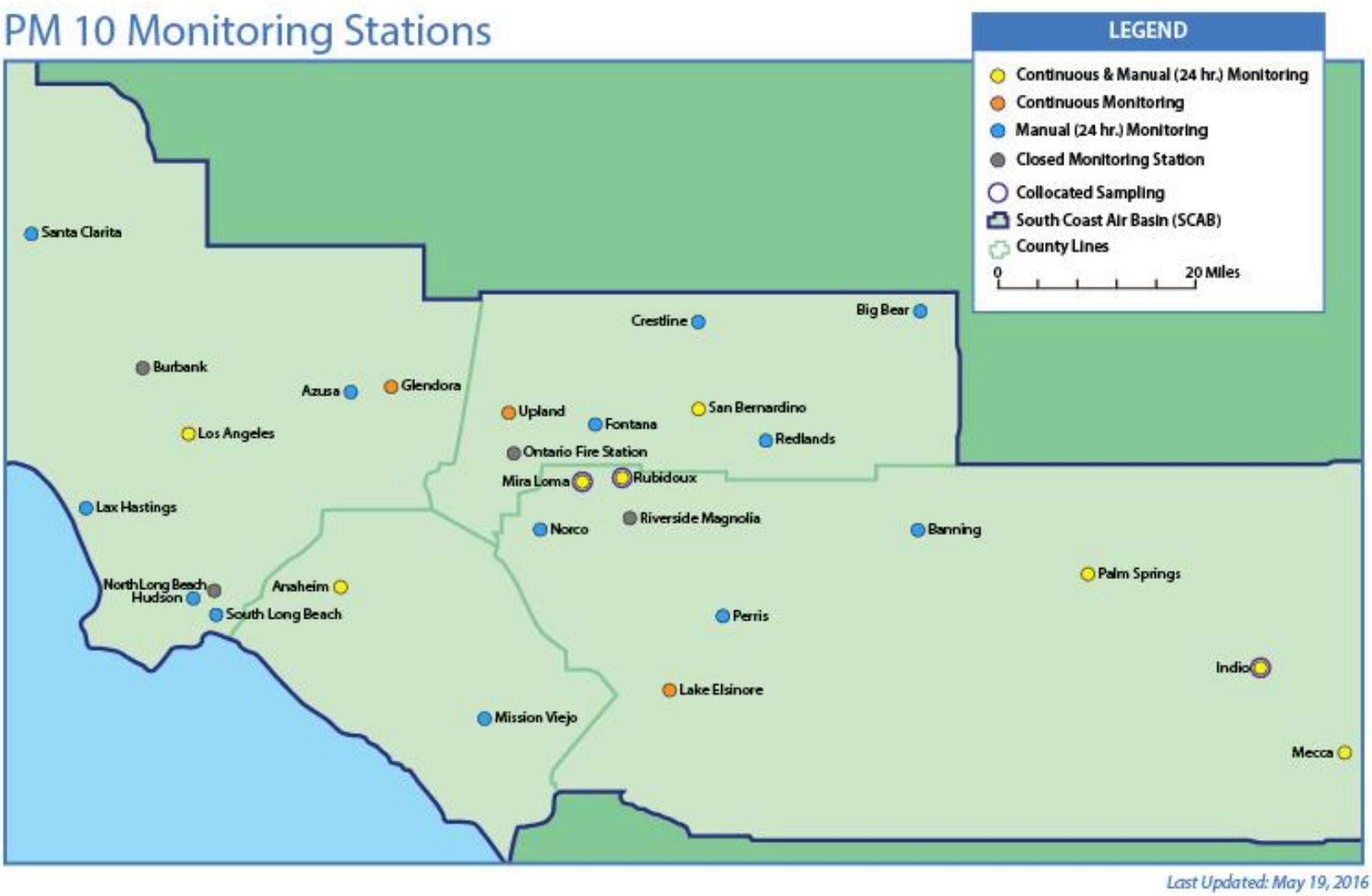

Figure 2 SCAQMD PM10 Monitoring Locations

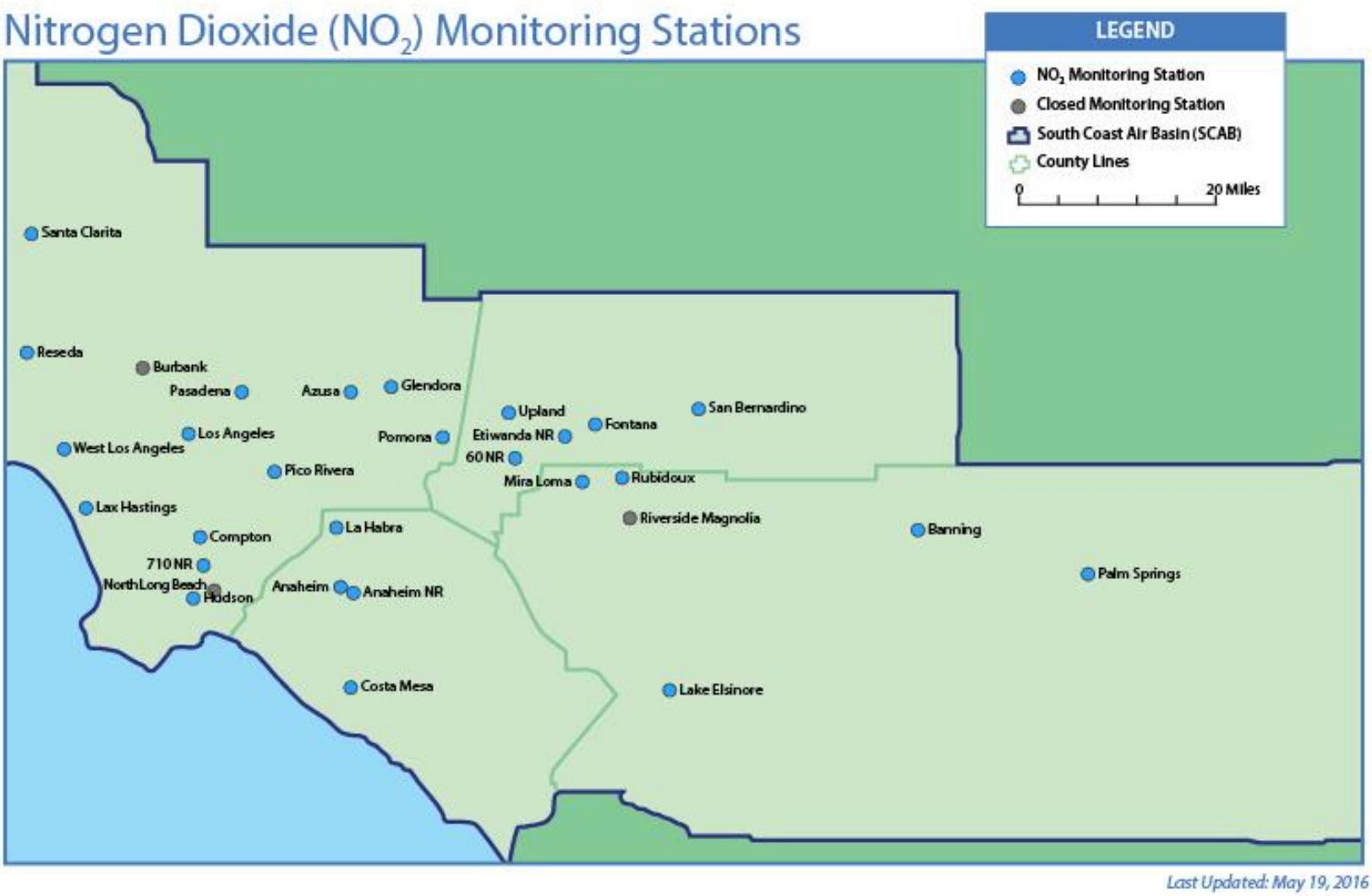

Figure 3 SCAQMD Monitoring Locations for Nitrogen Dioxide

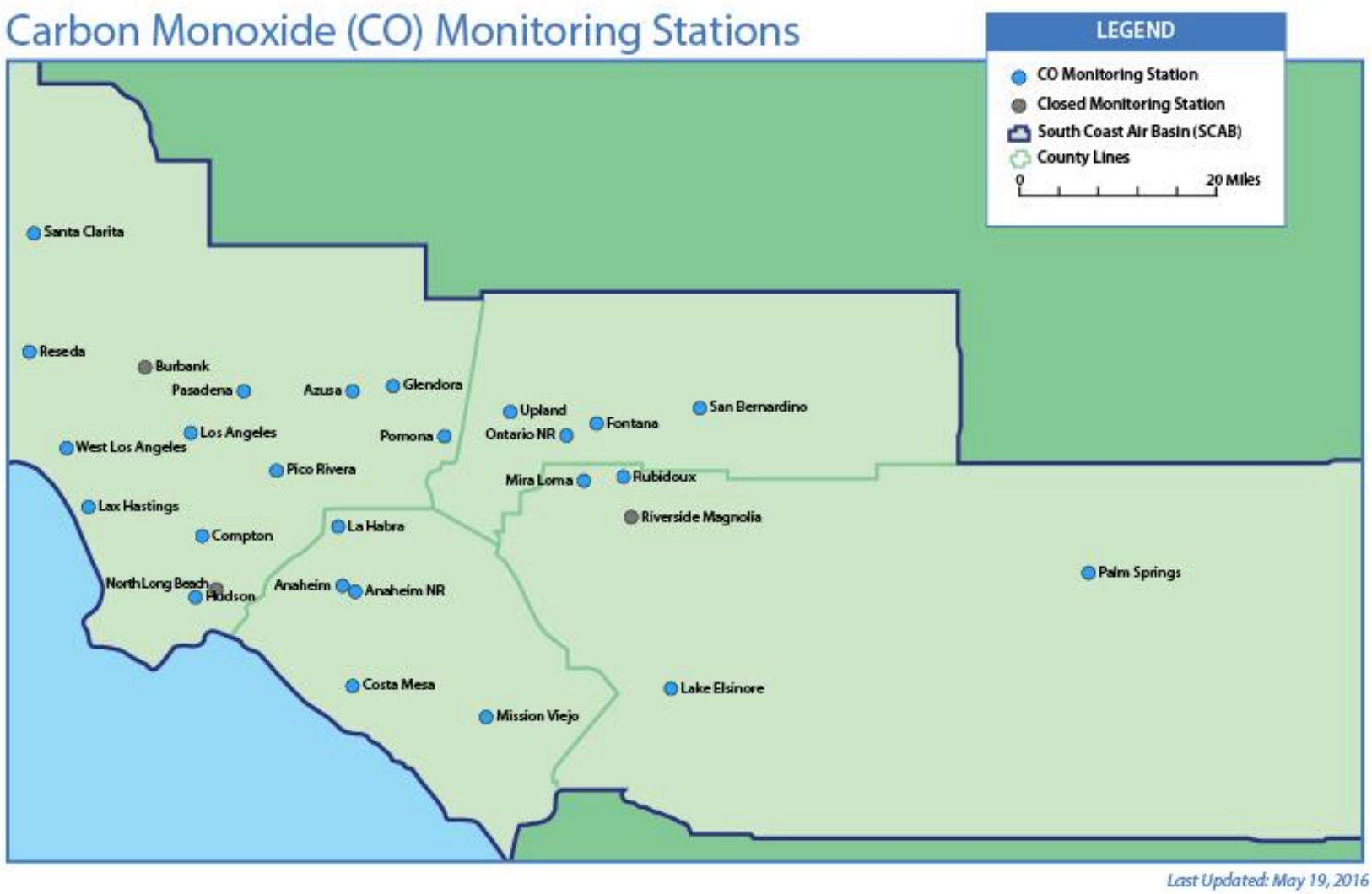

Figure 4 SCAQMD Monitoring Locations for Carbon Monoxide

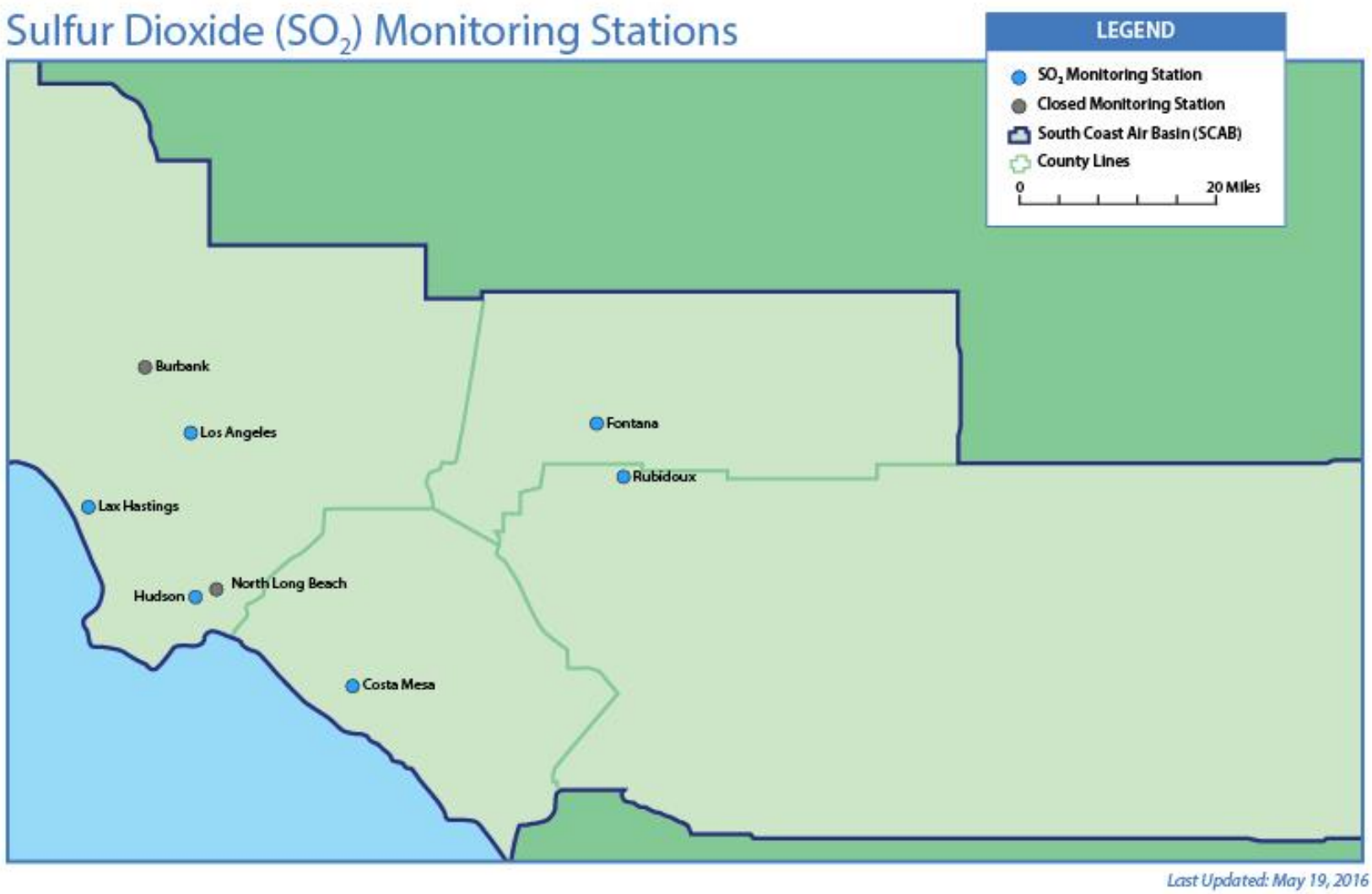

Figure 5 SCAQMD Monitoring Locations for Sulfur Dioxide

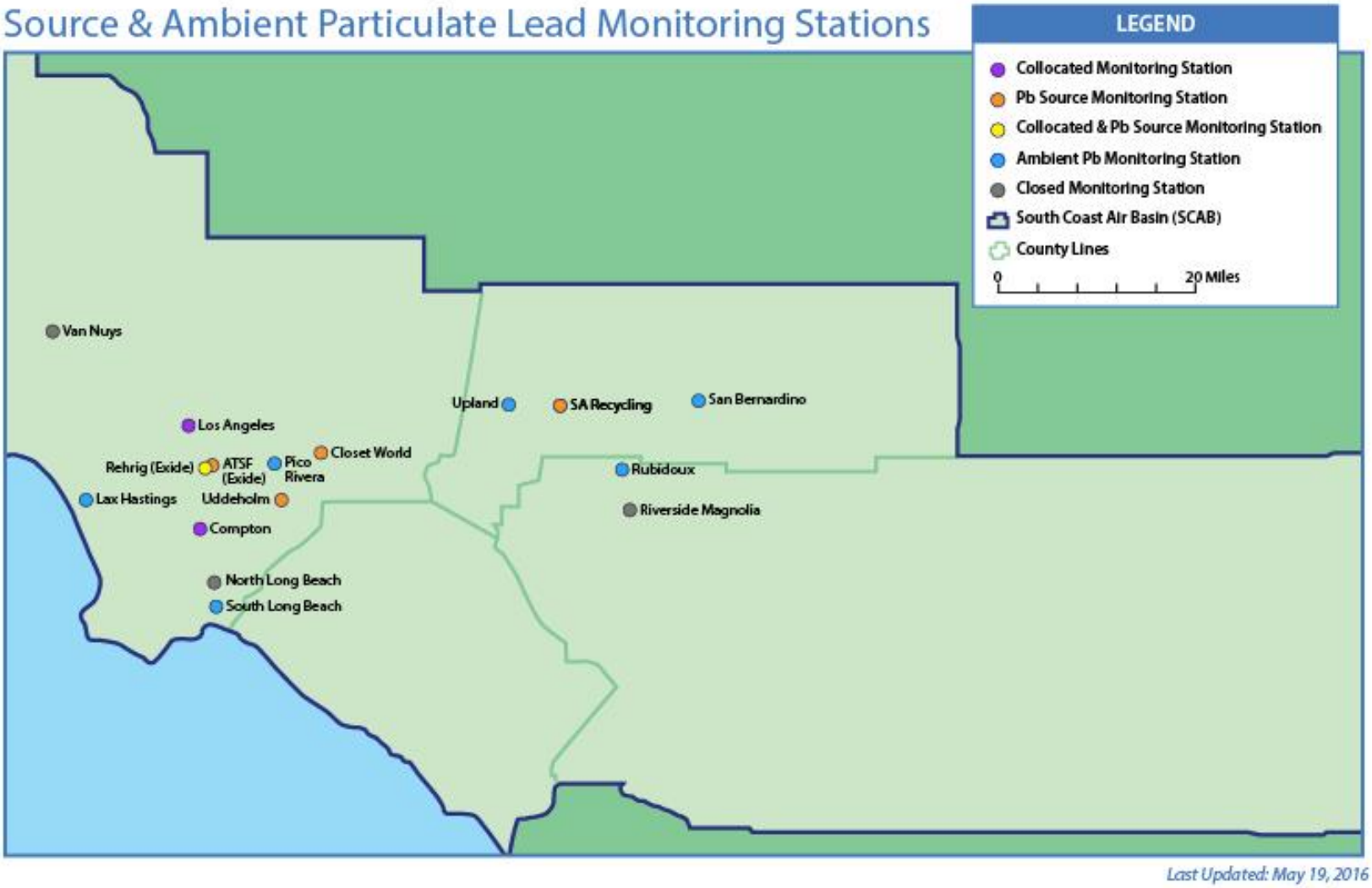

Figure 6 SCAQMD Source and Ambient Particulate Lead Monitoring Locations

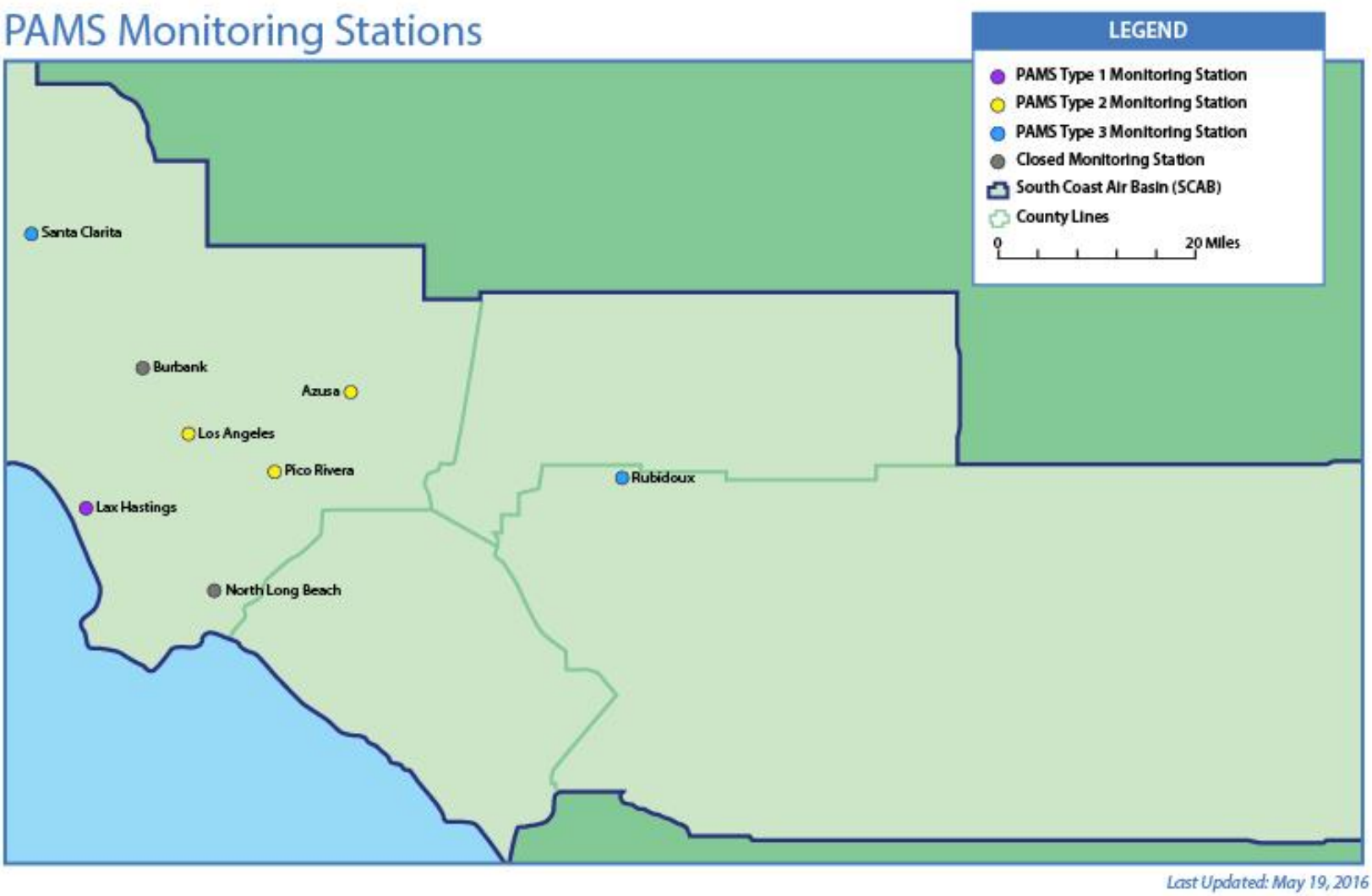

Figure 7 SCAQMD PAMS Monitoring Locations

Figure 8 SCAQMD PM2.5 Monitoring Locations

2014 AIR QUALITY
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

2014

Source/Receptor Area No.	Location	Station No.	Carbon Monoxide a) No. Days of Data	Carbon Monoxide Max Conc. in ppm 1-hour	Carbon Monoxide Max Conc. in ppm 8-hour	Ozone No. Days of Data	Ozone Max. Conc. in ppm 1-hour	Ozone Max. Conc. in ppm 8-hour	Ozone Fourth High Conc. ppm 8-hour	Ozone Old Federal > 0.124 ppm 1-hour	Ozone No. Days Standard Exceeded: Current Federal > 0.075 ppm 8-hour	Ozone No. Days Standard Exceeded: 1997 Federal > 0.084 ppm 8-hour	Ozone No. Days Standard Exceeded: Current State > 0.09 ppm 1-hour	Ozone Current State > 0.070 ppm 8-hour	Nitrogen Dioxide b) No. Days of Data	Nitrogen Dioxide Max Conc. in ppb 1-hour	Nitrogen Dioxide 98th Percentile Conc. ppb 1-hour	Nitrogen Dioxide Annual Average AAM Conc. ppb	Sulfur Dioxide c) No. Days of Data	Sulfur Dioxide Max. Conc. in ppb 1-hour	Sulfur Dioxide 99th Percentile Conc. ppb 1-hour
LOS ANGELES COUNTY																					
1	Central LA	087	365	3	2.0	365	0.113	0.094	0.072	0	2	1	3	7	365	82.1	67.4	22.2	364	5.4	4.4
2	Northwest Coastal LA County	091	365	2	1.3	365	0.116	0.094	0.077	0	4	2	1	6	337	63.9	53.9	13.3	–	–	–
3	Southwest Coastal LA County	820	365	3	1.9	365	0.114	0.080	0.075	0	3	0	1	6	365	87.3	66.4	11.9	365	15.3	9.1
4	South Coastal LA County 1	072	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	South Coastal LA County 2	077	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	South Coastal LA County 3	033	345	4	2.6	351	0.087	0.072	0.061	0	0	0	0	1	340	135.9	84.8	20.7	288	14.7	10.1
6	West San Fernando Valley	074	365	4	3.0	365	0.116	0.092	0.083	0	11	2	6	31	327	58.9	52.4	11.7	–	–	–
7	East San Fernando Valley	158*	3	3.0	161*	0.091	0.079	0.069	0	1	0	0	2	150*	73.2	65.2	21.8	154*	4.5	3.9
8	West San Gabriel Valley	088	348	3	1.8	333	0.124	0.096	0.086	0	7	4	6	13	347	75.2	60.1	16.6	–	–	–
9	East San Gabriel Valley 1	060	365	2	1.9	365	0.123	0.092	0.081	0	11	3	11	20	361	70.2	60.6	17.8	–	–	–
9	East San Gabriel Valley 2	591	365	1	0.7	364	0.133	0.101	0.096	5	38	14	41	60	352	65.7	51.1	13.1	–	–	–
10	Pomona/Walnut Valley	075	365	2	1.6	358	0.123	0.099	0.090	0	33	9	22	56	365	88.9	63.8	22.1	–	–	–
11	South San Gabriel Valley	085	364	4	2.5	361	0.121	0.092	0.079	0	5	1	7	7	365	86.7	61.9	19.5	–	–	–
12	South Central LA County	112	356	6	3.8	355	0.094	0.081	0.073	0	2	0	0	4	350	68.2	59.2	15.6	–	–	–
13	Santa Clarita Valley	090	361	3	1.2	360	0.137	0.110	0.097	2	45	16	32	65	360	57.7	46.1	12.7	–	–	–
ORANGE COUNTY																					
16	North Orange County	3177	363	4	2.1	362	0.119	0.088	0.075	0	2	2	5	6	361	83.6	56.6	15.2	–	–	–
17	Central Orange County	3176	365	3	2.1	338	0.111	0.081	0.076	0	4	0	2	6	338	75.8	59.8	15.2	–	–	–
18	North Coastal Orange County	3195	365	3	1.9	364	0.096	0.079	0.076	0	4	0	1	6	365	60.6	53.7	10.8	357	8.8	3.7
19	Saddleback Valley	3812	365	1	0.7	365	0.115	0.088	0.078	0	5	2	4	10	–	–	–	–	–	–	–
RIVERSIDE COUNTY																					
22	Norco/Corona	4155	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
23	Metropolitan Riverside County 1	4144	365	2	1.9	365	0.141	0.104	0.091	1	41	12	29	69	362	59.9	53.2	15.1	365	5.6	3.5
23	Metropolitan Riverside County 2	4146	363	2	1.4	–	–	–	–	–	–	–	–	–	361	56.3	50.2	15.8	–	–	–
23	Mira Loma	4165	364	2	2.4	364	0.138	0.102	0.087	1	29	6	17	55	364	57.7	49.2	13.7	–	–	–
24	Perris Valley	4149	–	–	–	341	0.117	0.094	0.089	0	38	7	16	63	–	–	–	–	–	–	–
25	Lake Elsinore	4158	355	2	1.4	354	0.104	0.086	0.079	0	6	1	4	13	334	45.3	39.6	8.2	–	–	–
26	Temecula	4031	–	–	–	345	0.119	0.100	0.077	0	4	1	1	14	–	–	–	–	–	–	–
29	Banning Airport	4164	–	–	–	362	0.114	0.097	0.094	0	38	11	22	58	351	52.3	45.5	8.5	–	–	–
30	Coachella Valley 1**	4137	365	2	0.9	365	0.108	0.093	0.089	0	35	7	9	61	341	46.3	41.2	7.1	–	–	–
30	Coachella Valley 2**	4157	–	–	–	365	0.095	0.091	0.084	0	10	2	2	30	–	–	–	–	–	–	–
SAN BERNARDINO COUNTY																					
32	Northwest San Bernardino Valley	5175	361	3	1.2	361	0.126	0.101	0.093	1	42	15	34	60	357	74.1	56.7	16.6			
33	Southwest San Bernardino Valley	5817	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	Central San Bernardino Valley 1	5197	331	3	1.2	330*	0.127	0.105	0.093	1	37	14	31	52	330	70.4	63.6	20.2	330	4.0	2.8
34	Central San Bernardino Valley 2	5203	360	4	2.4	365	0.121	0.099	0.095	0	51	21	38	76	365	72.6	56.1	18.0	–	–	–
35	East San Bernardino Valley	5204	–	–	–	365	0.128	0.104	0.099	2	55	27	47	83	–	–	–	–	–	–	–
37	Central San Bernardino Mountains	5181	–	–	–	365	0.130	0.106	0.102	1	68	41	50	97	–	–	–	–	–	–	–
38	East San Bernardino Mountains	5818	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	DISTRICT MAXIMUM			6	3.8		0.141	0.110	0.102	5	68	41	50	97		135.9	84.8	22.2		15.3	10.1
	SOUTH COAST AIR BASIN				3.8		0.141	0.110	0.102	10	92	54	74	129		135.9	84.8	22.2		15.3	10.1

* Incomplete data. ** Salton Sea Air Basin – – Pollutant not monitored

ppm - Parts Per Million parts of air, by volume ppb – Parts Per Billion parts of air, by volume AAM = Annual Arithmetic Mean

a) - The federal 8-hour standard (8-hour average CO > 9 ppm) and state 8-hour standard (8-hour average CO > 9.0 ppm) were not exceeded.
The federal and state 1-hour standards (35 ppm and 20 ppm) were not exceeded either.

b) - The NO_2 federal 1-hour standard is 100 ppb and the annual standard is annual arithmetic mean NO_2 > 0.0534 ppm (53.4 ppb). The state 1-hour and annual standards are 0.18 ppm (180 ppb) and 0.030 ppm (30 ppb).

c) - The federal SO_2 1-hour standard is 75 ppb (0.075 ppm). The state standards are 1-hour average SO_2 > 0.25 ppm (250 ppb) and 24-hour average SO_2 > 0.04 ppm (40 ppb).

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

For information on the current standard levels and most recent revisions please refer to "Appendix II – Current Air Quality" of the "Final 2012 AQMP" which can be accessed at http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2012-air-quality-management-plan/final-2012-aqmp-(february-2013)/appendix-ii-final-2012.pdf. Maps showing the source/receptor area boundaries can be accessed via the Internet by entering your address in the AQMD Current Hourly Air Quality Map, accessed from http://www2.aqmd.gov/webappl/gisapi2/VEMap3D.aspx. A map or copy of the AQMP Appendix II is also available free of charge from the AQMD Public Information Center at 1-800-CUT-SMOG.

Figure 9 SCAQMD 2014 Air Quality Data Summary

2014 AIR QUALITY
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

2014

Source/Receptor Area No.	Location	Station No.	Suspended Particulates PM10 d,f) No. Days of Data	Max. Conc. in µg/m³ 24-hour	No. (%) Samples Exceeding Standards Federal > 150 µg/m³ 24-hour	State > 50 µg/m³ 24-hour	Annual Average Conc. e) (AAM) µg/m³	Fine Particulates PM2.5 g) No. Days of Data	Max. Conc. in µg/m³ 24-hour	98th Percentile Conc. in µg/m³ 24-hour	No (%) Samples Exceeding Federal Std > 35 µg/m³ 24-hour	Annual Average Conc. h) (AAM) µg/m³	Lead i) Max. Monthly Average Conc. µg/m³	Max. 3-Months Rolling Averages µg/m³	PM10 Sulfate j) No. Days of Data	Max. Conc. in µg/m³ 24-hour
LOS ANGELES COUNTY																
1	Central LA	087	58	66	0	3	30.6	341	59.9	34.5	6(1.8%)	12.36	0.013	0.01	57	11.0
2	Northwest Coastal LA County	091	–	–	–	–	–	–	–	–		–	–	–	–	–
3	Southwest Coastal LA County	820	60	46	0	0	22.0	–	–	–		–	0.008	0.01	60	5.1
4	South Coastal LA County 1	072	–	–	–	–	–	346	51.5	31.3	2(0.6%)	11.42	–	–	–	–
4	South Coastal LA County 2	077	59	59	0	2	26.6	329	52.2	27.2	2(0.6%)	10.72	0.012	0.01	59	4.5
4	South Coastal LA County 3	033	–	–	–	–	–	–	–	–		–	–	–	–	–
6	West San Fernando Valley	074	–	–	–	–	–	109	27.2	20.9	0(0%)	9.72	–	–	–	–
7	East San Fernando Valley	069	29	60	0	1	31.2	178*	64.6	29.0	2(1.1%)	12.08	–	–	29*	4.0
8	West San Gabriel Valley	088	–	–	–	–	–	113	38.8	26.3	1(0.9%)	11.29	–	–	–	–
9	East San Gabriel Valley 1	060	60	96	0	22	44.1	118	32.4	29.9	0(0%)	11.63	–	–	59	14.3
9	East San Gabriel Valley 2	591	–	–	–	–	–	–	–	–		–	–	–	–	–
10	Pomona/Walnut Valley	075	–	–	–	–	–	–	–	–		–	–	–	–	–
11	South San Gabriel Valley	085	–	–	–	–	–	116	35.1	30.1	0(0%)	12.08	0.017	0.01	–	–
12	South Central LA County	112	–	–	–	–	–	113	35.8	30.9	1(0.9%)	12.64	0.013	0.01	–	–
13	Santa Clarita Valley	090	59	47	0	0	23.2	–	–	–		–	–	–	58	4.3
ORANGE COUNTY																
16	North Orange County	3177	–	–	–	–	–	–	–	–		–	–	–	–	–
17	Central Orange County	3176	61	85	0	2	26.8	344	56.2	34.4	6(1.7%)	10.53	–	–	61	9.4
18	North Coastal Orange County	3195	–	–	–	–	–	–	–	–		–	–	–	–	–
19	Saddleback Valley	3812	60	41	0	0	20.2	115	25.5	21.6	0(0%)	8.02	–	–	60	4.0
RIVERSIDE COUNTY																
22	Norco/Corona	4155	59	65	0	3	30.9	–	–	–		–	–	–	59	3.8
23	Metropolitan Riverside County 1	4144	117	100	0	17	36.7	346	48.9	34.3	5(1.4%)	12.48	0.011	0.01	170	4.1
23	Metropolitan Riverside County 2	4146	–	–	–	–	–	110	30.9	26.0	0(0%)	10.94	0.010	0.01	–	–
23	Mira Loma	4165	61	85	0	18	42.9	351	73.6	40.0	9(2.6%)	14.48	–	–	61	4.2
24	Perris Valley	4149	60	87	0	8	35.1	–	–	–		–	–	–	60	3.5
25	Lake Elsinore	4158	–	–	–	–	–	–	–	–		–	–	–	–	–
26	Temecula	4031	–	–	–	–	–	–	–	–		–	–	–	–	–
29	Banning Airport	4164	58	45	0	0	20.7	–	–	–		–	–	–	58	2.7
30	Coachella Valley 1**	4137	54	57	0	2	22.2	113	15.5	14.5	0(0%)	6.42	–	–	54	2.6
30	Coachella Valley 2**	4157	120+	121+	0+	24	41.2	112	26.5	16.8	0(0%)	8.32	–	–	180	3.2
SAN BERNARDINO COUNTY																
32	Northwest San Bernardino Valley	5175	–	–	–	–	–	–	–	–		–	0.009	0.01	–	–
33	Southwest San Bernardino Valley	5817	30	67	0	4	33.2	58*	38.4	34.6	1(1.7%)	12.96	–	–	58	3.9
34	Central San Bernardino Valley 1	5197	58	68	0	13	39.7	109	78.9	34.5	1(0.9%)	13.18	–	–	58	5.0
34	Central San Bernardino Valley 2	5203	60	136	0	4	33.9	110	73.9	28.1	1(0.9%)	11.67	0.012	0.01	60	4.6
35	East San Bernardino Valley	5204	60	62	0	2	25.9	–	–	–		–	–	–	59	3.4
37	Central San Bernardino Mountains	5181	61	47	0	0	18.5	–	–	–		–	–	–	60	2.9
38	East San Bernardino Mountains	5818	–	–	–	–	–	56	24.2	19.1	0(0%)	7.03	–	–	–	–
	DISTRICT MAXIMUM			136	0	24	44.1		78.9	40.0	9	14.48	0.017	0.01		14.3
	SOUTH COAST AIR BASIN			136	0	44	44.1		78.9	40.0	15	14.48	0.017	0.01		14.3

* Incomplete data. ** Salton Sea Air Basin µg/m³ - Micrograms per cubic meter of air AAM = Annual Arithmetic Mean – - Pollutant not monitored

d) - Federal Reference Method (FRM) PM10 samples were collected every 6 days at all sites except for Stations 4144 and 4157, where samples were collected every 3 days. PM10 statistics listed above are for the FRM data only. Federal Equivalent Method (FEM) PM10 continuous monitoring instruments were operated at some of the above locations. Max 24-hour average PM10 at sites with FEM monitoring was 152 µg/m³, at Indio.

e) - State standard is annual average (AAM) > 20 µg/m³. Federal annual PM10 standard (AAM > 50 µg/m³) was revoked in 2006.

f) - High PM10 data sample (298 µg/m³ on August 18 at Indio) excluded due to the high wind in accordance with the EPA Exceptional Event Regulation. Also, multiple high PM10 FEM data recorded in Coachella Valley and the Basin were excluded.

g) - PM2.5 samples were collected every 3 days at all sites except for station numbers 072, 077, 087, 3176, 4144 and 4165, where samples were taken daily, and station number 5818 where samples were taken every 6 days. PM2.5 statistics listed above are for the FRM data only. FEM PM2.5 continuous monitoring instruments were operated at some of the above locations for special purposes studies.

h) – Both Federal and State standards are annual average (AAM) > 12.0 µg/m³.

i) – Federal lead standard is 3-months rolling average > 0.15 µg/m³, state standard is monthly average ≥ 1.5 µg/m³. Lead standards were not exceeded.
Higher lead concentrations were recorded at source-oriented monitoring sites immediately downwind of stationary lead sources. Maximum monthly and 3-month rolling averages recorded were 0.07 µg/m³ and 0.10 µg/m³, respectively

j) – State sulfate standard is 24-hour ≥ 25 µg/m³. There is no federal standard for sulfate.

Printed on Recycled Paper

Figure 9 SCAQMD 2014 Air Quality Data Summary Continued