

Ozone

Number of Days Exceeding Federal and State 1-Hour Ozone Standards San Diego County 2016-2020

Station	Number of Days Exceeding Previous Federal 1-Hour Standard: Concentration > 12 pphm (See note below)					Number of Days Exceeding State 1-Hour Standard: Concentration >or equals 9.5 pphm					Maximum 1-Hour Concentration (pphm)					Date of Maximum 1-Hour Concentration				
	16	17	18	19	20	16	17	18	19	20	16	17	18	19	20	16	17	18	19	20
Chula Vista	0	0	0	0	0	0	0	0	0	1	7	9	8	9	11	2/14	10/6	7/6	10/6	9/5
El Cajon	0	0	0	0	0	1	1	0	0	0	10	10	9	9	9	6/17	6/25	7/6	9/14	6/11
Kearny Villa Rd.	0	0	0	0	0	0	2	1	0	2	9	10	10	8	12	2/14	10/6	7/6	10/6	9/5
Del Mar**	0	0	-	-	-	0	0	-	-	-	8	8	-	-	-	3/25	3/14	-	-	-
Alpine	0	0	0	0	0	6	11	2	2	5	10	11	10	11	11	8/30	8/30	7/24	9/14	6/11
Downtown San Diego*	0	-	-	0	0	0	-	-	0	2	7	-	-	8	12	2/14	-	-	10/6	9/5
Camp Pendleton	0	0	0	0	0	0	0	0	0	0	8	9	8	8	9	2/14	10/15	10/18	3/17	10/27
Donovan	0	0	0	0	0	0	1	0	0	3	9	10	9	7	11	6/20	8/31	7/6	9/14	9/5
Basinwide	0	0	0	0	0	7	13	3	2	8	10	11	10	11	12	8/30	8/30	7/6	9/14	9/5

*Monitoring temporarily suspended October 2016 / Resumed at new location July 2019.

**Monitoring ended March 2018.

Note: The federal 1-hour standard of 12 pphm was in effect from 1979 through June 15, 2005. Because this benchmark has been employed for such a long period, and is addressed in State Implementation Plans, we continue to reference the revoked standard for historical perspective.

Ozone

Number of Days Exceeding Federal and State 8-Hour Ozone Standards San Diego County 2016-2020

Station	Number of Days Exceeding 2008 Federal 8-Hour Standard: Concentration > 7.5 pphm					Number of Days Exceeding 2015 Federal 8-Hour Standard: Concentration > 7.0 pphm					Maximum 8-Hour Concentration (pphm)					Date of Maximum 8-Hour Concentration				
	16	17	18	19	20	16	17	18	19	20	16	17	18	19	20	16	17	18	19	20
Chula Vista	0	0	0	1	2	0	1	0	2	4	7	7	6	8	9	9/24	10/6	2/4	10/6	9/5
El Cajon	1	5	2	0	5	4	9	2	2	14	8	8	8	7	8	6/19	4/22	5/5	3/31	5/6
Kearny Villa Rd.	0	4	1	0	6	3	6	5	1	10	8	8	8	8	10	2/14	10/6	7/6	10/6	9/5
Del Mar**	0	0	-	-	-	1	0	-	-	-	7	6	-	-	-	4/19	3/14	-	-	-
Alpine	13	26	7	4	13	29	48	20	16	24	9	10	8	8	9	8/30	7/7	7/24	9/14	9/4
Downtown San Diego*	0	-	-	0	1	0	-	-	1	3	6	-	-	7	9	10/8	-	-	10/6	9/5
Camp Pendleton	0	1	0	0	0	4	4	0	0	3	7	8	7	6	7	2/14	10/15	4/14	10/6	10/27
Donovan	0	1	1	0	4	4	6	1	0	10	8	8	8	6	10	6/19	4/22	7/6	10/6	9/5
Basinwide	13	28	8	5	20	34	54	23	19	33	9	10	8	8	10	8/30	7/7	7/24	9/14	9/5

*Monitoring temporarily suspended October 2016 / Resumed at new location July 2019.

**Monitoring ended March 2018.

Particulate Matter (PM2.5)

Annual Average and Maximum 24-Hour Sample San Diego County 2016-2020

Station	Annual Average Federal Standard: 12.0 micrograms/m ³ State Standard: 12 micrograms/m ³					Maximum 24-Hour Sample* Federal Standard: 35 micrograms/m ³					Date of Maximum 24-Hour Sample				
	16	17	18	19	20	16	17	18	19	20	16	17	18	19	20
Chula Vista	8.7	9.3	10.0	8.1	10.7	23.9	42.7	41.9	18.6	46.7	3/1	12/27	1/1	11/11	9/15
El Cajon	9.3	9.6	9.6	8.6	10.3	23.9	31.8	36.2	23.8	38.2	12/18	12/31	1/1	12/22	9/14
Kearny Villa Rd.	7.6	8.0	8.3	7.0	8.7	19.4	27.5	32.2	16.2	47.5	3/1	12/27	8/24	11/11	9/15
Carmel Mt. Ranch***	-	-	-	8.2	9.3	-	-	-	18.9	40.2	-	-	-	11/11	9/15
Downtown San Diego**	9.7	-	-	-	10.7	34.4	-	-	-	51.9	3/1	-	-	-	9/15

* Concentrations are averaged over a 24-hour period.

**Monitoring temporarily suspended October 2016 / Resumed at new location January 2020

***Monitoring began June 2019.

Particulate Matter (PM10)

Annual Average and Maximum 24-Hour Sample San Diego County 2016-2020

Station	Annual Average Federal Standard 50 micrograms/m ³ * State Standard 20 micrograms/m ³					Maximum 24-Hour Sample** Federal Standard 150 micrograms/m ³ State Standard 50 micrograms/m ³					Date of Maximum 24-Hour Sample				
	16	17	18	19	20	16	17	18	19	20	16	17	18	19	20
Chula Vista	21.6	21.4	20.7	19.0	24.8	48	59	45	68	68	7/23	12/27	7/7	10/30	9/12
El Cajon	22.6	22.5	22.7	19.3	23.5	43	50	43	38	55	7/23	12/27	7/25	10/29	9/15
Kearny Villa Rd.****	17.1	17.6	18.4	-	-	36	46	38	-	-	9/27	12/27	8/24	-	-
Downtown San Diego***	22.0	-	-	-	-	49	-	-	-	-	3/1	-	-	-	-
Donovan	31.4	26.3	25.5	31.1	49.7	79	66	53	199	174	10/27	12/27	7/7	10/30	9/30

*Federal annual standard revoked December 17, 2006 (Data are shown for continuity with previous reports).

**Concentrations are averaged over a 24-hour period.

***Monitoring ended September 2016.

****Monitoring ended December 2018.

Carbon Monoxide

Maximum 1-Hour and 8-Hour Average Concentrations San Diego County 2016-2020

Station	Maximum 1-Hour Concentration (ppm) Federal Standard: 35 ppm State Standard: 20 ppm					Date of Maximum 1-Hour Concentration					Maximum 8-Hour Concentration (ppm) Federal Standard: 9 ppm State Standard: 9.0 ppm					Date of Maximum 8-Hour Concentration				
	16	17	18	19	20	16	17	18	19	20	16	17	18	19	20	16	17	18	19	20
El Cajon	1.7	1.5	1.5	1.3	1.5	2/8	12/24	12/14	12/31	12/24	1.3	1.4	1.1	1.0	1.4	12/19	12/25	12/14	12/21	12/25
Downtown San Diego*	2.2	-	-	-	-	2/5	-	-	-	-	1.7	-	-	-	-	2/11	-	-	-	-
Carmel Mt. Ranch	2.0	2.0	1.9	4.1	3.3	10/7	10/24	1/5	12/22	1/5	1.2	1.5	1.4	2.5	1.7	6/19	12/28	1/5	11/27	1/3

*Monitoring ended October 2016.

Nitrogen Dioxide

Annual Average and Maximum 1-Hour Concentration San Diego County 2016-2020

Station	Annual Average (ppm) Federal Standard: 0.053 ppm State Standard: 0.030 ppm					Maximum 1-Hour Concentration (ppm) Federal Standard: 0.100 ppm State Standard: 0.18 ppm					Date of Maximum 1-Hour Concentration				
	16	17	18	19	20	16	17	18	19	20	16	17	18	19	20
Chula Vista	.009	.009	.008	.008	.008	.054	.057	.052	.050	.045	2/11	10/16	1/4	11/8	12/1
El Cajon	.009	.010	.007	.008	.008	.057	.045	.045	.039	.044	2/10	12/14	1/3	12/21	12/7
Kearny Villa Rd.	.009	.009	.007	.007	.007	.053	.054	.045	.046	.052	11/8	12/28	2/1	11/8	11/5
Alpine	.003	.003	.003	.003	.003	.033	.028	.031	.029	.021	12/15	11/30	1/3	12/13	1/24
Downtown San Diego*	.011	-	-	.012	.009	.073	-	-	.062	.053	10/20	-	-	10/24	11/5
Camp Pendleton	.006	.006	.005	.004	.005	.072	.063	.048	.053	.058	3/19	11/21	2/7	12/20	11/5
Donovan	.007	.007	.006	.007	.008	.067	.074	.054	.086	.056	11/8	10/16	2/7	12/3	10/6
Carmel Mt. Ranch	.017	.016	.014	.014	.013	.062	.062	.055	.054	.054	11/14	11/21	2/1	11/8	9/17

*Monitoring temporarily suspended October 2016 / Resumed at new location July 2019.

Sulfur Dioxide

Annual Average and Maximum 1-Hour and 24-Hour Concentrations San Diego County 2016-2020

Station	Annual Average (ppm) Federal Standard: 0.030 ppm					Maximum 24-Hour Concentration (ppm) State Standard: 0.04 ppm					Maximum 1-Hour Concentration (ppm) State Standard: 0.25 ppm Federal Standard: 0.75 ppm*					Date of Maximum 1-Hour Concentration				
	16	17	18	19	20	16	17	18	19	20	16	17	18	19	20	16	17	18	19	20
El Cajon	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.004	0.001	0.002	6/20	12/13	6/3	9/22	5/5

*Federal 1-hour Standard is based on the 3-year average of the 99th percentile of 1-hour daily maximum concentrations.