

# Ozone

## Number of Days Exceeding Federal and State 1-Hour Ozone Standards San Diego County 2013-2017

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				
	13	14	15	16	17	13	14	15	16	17	13	14	15	16	17	13	14	15	16	17
Chula Vista	0	0	0	0	0	0	0	0	0	0	7	9	9	7	9	5/13	10/24	9/20	2/14	10/6
El Cajon	0	0	0	0	0	0	0	0	1	1	9	8	8	10	10	9/15	10/4	8/16	6/17	6/25
Kearny Villa Rd.	0	0	0	0	0	0	1	0	0	2	8	10	8	9	10	5/13	10/4	4/4	2/14	10/6
Del Mar*****	0	0	0	0	0	0	1	1	0	0	8	10	10	8	8	10/26	5/15	10/9	3/25	3/14
Escondido***	0	0	0	-	-	0	1	0	-	-	8	10	8	-	-	5/13	9/14	4/29	-	-
Alpine	0	0	0	0	0	2	0	2	6	11	10	9	10	10	11	6/29	8/30	8/28	8/30	8/30
Downtown San Diego****	0	0	0	0	-	0	0	0	0	-	6	9	9	7	-	9/29	10/4	9/20	2/14	-
Camp Pendleton	0	0	0	0	0	0	1	0	0	0	8	10	9	8	9	8/25	5/15	9/20	2/14	10/15
Otay Mesa*	0	0	-	-	-	0	0	-	-	-	7	6	-	-	-	9/29	5/2	-	-	-
Donovan**	-	0	0	0	0	-	0	0	0	1	-	8	9	9	10	-	10/5	9/20	6/20	8/31
Basinwide	0	0	0	0	0	2	3	3	7	13	10	10	10	10	11	6/29	5/15	10/9	8/30	8/30

\*Monitoring discontinued in September 2014.

\*\*Monitoring began in September 2014.

\*\*\*Monitoring temporarily suspended August 2015.

\*\*\*\*Monitoring temporarily suspended October 2016.

\*\*\*\*\*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 2013-2017

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				
	13	14	15	16	17	13	14	15	16	17	13	14	15	16	17	13	14	15	16	17
Chula Vista	0	0	0	0	0	0	1	0	0	1	6	6	7	7	7	9/15	9/15	11/1	9/24	10/6
El Cajon	1	0	0	1	5	3	2	0	4	9	8	8	7	8	8	5/13	9/13	4/15	6/19	4/22
Kearny Mesa/Kearny Villa Rd.	0	1	0	0	4	1	4	0	3	6	7	8	7	8	8	5/3	10/4	4/29	2/14	10/6
Del Mar*****	0	2	1	0	0	0	4	2	1	0	7	9	8	7	6	10/26	5/15	10/9	4/19	3/14
Escondido***	0	5	0	-	-	4	7	2	-	-	7	8	7	-	-	5/3	5/2	4/4	-	-
Alpine	6	10	11	13	26	24	28	30	29	48	8	8	8	9	10	8/14	5/2	6/19	8/30	7/7
Downtown San Diego****	0	0	0	0	-	0	1	0	0	-	5	7	7	6	-	9/23	5/2	9/20	10/8	-
Camp Pendleton	0	1	1	0	1	0	5	2	4	4	7	8	8	7	8	5/12	5/15	9/20	2/14	10/15
Otay Mesa*	0	0	-	-	-	0	0	-	-	-	6	5	-	-	-	5/3	5/2	-	-	-
Donovan**	-	0	0	0	1	-	1	1	4	6	-	8	7	8	8	-	10/4	9/20	6/19	4/22
Basinwide	7	12	13	13	28	25	33	34	34	54	8	9	8	9	10	8/14	5/15	6/19	8/30	7/7

\*Monitoring discontinued in September 2014.

\*\*Monitoring began in September 2014.

\*\*\*Monitoring temporarily suspended August 2015.

\*\*\*\*Monitoring temporarily suspended October 2016.

# Particulate Matter (PM2.5)

## Annual Average and Maximum 24-Hour Sample San Diego County 2013-2017

Station	Annual Average Federal Standard: 12.0 micrograms/m <sup>3</sup> State Standard: 12 micrograms/m <sup>3</sup>					Maximum 24-Hour Sample* Federal Standard: 35 micrograms/m <sup>3</sup>					Date of Maximum 24-Hour Sample				
	13	14	15	16	17	13	14	15	16	17	13	14	15	16	17
<b>Chula Vista</b>	9.4	9.2	8.3	8.7	9.3	21.9	26.5	33.5	23.9	42.7	10/25	1/11	2/6	3/1	12/27
<b>El Cajon</b>	10.6	10.3	8.2	9.3	9.5	23.1	35.7	24.7	23.9	31.8	1/1	1/1	1/21	12/18	12/31
<b>Kearny Mesa/Kearny Villa Rd.</b>	8.3	8.2	7.2	7.5	8.0	22.0	20.2	25.7	19.4	27.5	10/25	1/11	1/21	3/1	12/27
<b>Escondido**</b>	10.5	9.5	8.6	-	-	56.3	30.4	29.4	-	-	1/1	12/31	1/3	-	-
<b>Downtown San Diego***</b>	10.3	10.1	9.3	9.6	-	37.4	36.7	33.4	34.4	-	10/26	1/1	2/5	3/1	-

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

\*\*Monitoring temporarily suspended August 2015.

# Particulate Matter (PM10)

## Annual Average and Maximum 24-Hour Sample San Diego County 2013-2017

Station	Annual Average Federal Standard 50 micrograms/m <sup>3</sup> * State Standard 20 micrograms/m <sup>3</sup>					Maximum 24-Hour Sample** Federal Standard 150 micrograms/m <sup>3</sup> State Standard 50 micrograms/m <sup>3</sup>					Date of Maximum 24-Hour Sample				
	13	14	15	16	17	13	14	15	16	17	13	14	15	16	17
<b>Chula Vista</b>	22.0	22.5	19.7	21.6	21.4	38	37	46	48	59	6/21	3/18	9/9	7/23	12/27
<b>El Cajon</b>	24.2	23.9	21.9	22.6	22.5	41	48	48	43	50	5/4	1/11	9/9	7/23	12/27
<b>Kearny Mesa/Kearny Villa Rd.</b>	19.9	19.4	17.0	17.1	17.6	39	39	39	36	46	6/21	5/11	9/9	9/27	12/27
<b>Escondido***</b>	23.1	21.6	19.4	-	-	80	43	30	-	-	2/27	1/11	1/18	-	-
<b>Downtown San Diego****</b>	24.9	23.1	22.9	22.0	-	90	40	53	49	-	5/22	5/11	12/8	3/1	-
<b>Donovan</b>	25.2	30.1	34.8	31.4	26.3	65	59	136	79	66	11/12	10/2	12/8	10/27	12/27

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

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

\*\*\*Monitoring temporarily suspended August 2015.

\*\*\*\*Monitoring temporarily suspended September 2016.

# Carbon Monoxide

## Maximum 1-Hour and 8-Hour Average Concentrations San Diego County 2013-2017

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				
	13	14	15	16	17	13	14	15	16	17	13	14	15	16	17	13	14	15	16	17
<b>El Cajon</b>	1.9	2.0	1.4	1.7	1.5	3/12	11/26	1/7	2/8	12/24	1.2	1.8	1.1	1.3	1.4	1/9	11/26	1/5	12/19	12/25
<b>Escondido**</b>	3.2	3.8	3.1	-	-	1/1	1/1	1/6	-	-	2.6	3.1	2.0	-	-	1/1	1/1	1/1	-	-
<b>Downtown San Diego***</b>	3.0	2.7	2.6	2.2	-	1/18	1/6	12/5	2/5	-	2.1	1.9	1.9	1.7	-	1/19	1/11	11/21	2/11	-
<b>Carmel Mt. Ranch*</b>	-	-	2.4	2.0	2.0	-	-	12/9	10/7	10/24	-	-	1.4	1.2	1.5	-	-	12/7	6/19	12/28

\*Monitoring began April 2015.

\*\*Monitoring ended August 2015.

# Nitrogen Dioxide

## Annual Average and Maximum 1-Hour Concentration San Diego County 2013-2017

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				
	13	14	15	16	17	13	14	15	16	17	13	14	15	16	17
Chula Vista	.010	.010	.010	.009	.009	.057	.055	.049	.054	.057	11/13	11/7	11/19	2/11	10/16
El Cajon	.012	.013	.010	.009	.010	.051	.057	.059	.057	.045	12/17	11/6	12/9	2/10	12/14
Kearny Mesa/Kearny Villa Rd.	.010	.009	.009	.009	.009	.067	.051	.051	.053	.054	11/13	1/2	12/9	11/8	12/28
Escondido****	.012	.011	.010	-	-	.061	.063	.048	-	-	11/13	10/3	3/6	-	-
Alpine	.005	.005	.004	.003	.003	.040	.030	.048	.033	.028	12/17	12/22	1/9	12/15	11/30
Downtown San Diego*****	.014	.013	.013	.011	-	.072	.075	.062	.073	-	11/13	1/16	1/7	10/20	-
Camp Pendleton	.007	.007	.006	.006	.006	.081	.060	.060	.072	.063	11/13	1/17	11/19	3/19	11/21
Otay Mesa*	.019	.017	-	-	-	.091	.087	-	-	-	11/12	1/29	-	-	-
Donovan**	-	.010	.008	.007	.007	-	.064	.061	.067	.074	-	10/3	2/6	11/8	10/16
Carmel Mt. Ranch***	-	-	.016	.017	.016	-	-	.054	.062	.062	-	-	11/20	11/14	11/21

\*Monitoring discontinued in September 2014.

\*\*Monitoring began in September 2014.

\*\*\*Monitoring began in March 2015.

\*\*\*\*Monitoring temporarily suspended August 2015.

# Sulfur Dioxide

## Annual Average and Maximum 1-Hour and 24-Hour Concentrations San Diego County 2013-2017

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				
	13	14	15	16	17	13	14	15	16	17	13	14	15	16	17	13	14	15	16	17
El Cajon	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.001	0.001	0.002	0.001	2/28	11/26	9/19	6/20	12/13

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