

# Ozone

## Number of Days Exceeding Federal and State 1-Hour Ozone Standards San Diego County 2006-2010\*

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				
	10	09	08	07	06	10	09	08	07	06	10	09	08	07	06	10	09	08	07	06
Chula Vista	0	0	0	0	0	1	1	1	1	0	11	10	11	11	8	9/27	9/25	10/8	5/8	6/3
El Cajon	0	0	0	0	0	1	2	3	2	2	10	10	11	11	11	9/27	8/30	6/21	9/1	6/3
Kearny Mesa / Miramar	0	0	0	0	0	2	2	4	0	1	10	11	10	9	11	9/26	9/25	10/26	3/16	6/3
Del Mar	0	0	0	0	0	0	1	2	0	0	9	10	12	9	9	9/27	4/20	10/8	5/8	9/18
Escondido	0	0	0	0	0	2	0	9	0	3	11	9	12	9	11	9/26	8/27	6/20	8/31	7/22
Alpine	0	0	2	1	0	4	6	13	17	21	11	12	14	13	12	7/15	8/30	6/20	9/1	7/1
Downtown San Diego	0	0	0	0	0	0	0	0	0	0	8	9	9	9	8	9/26	9/25	11/17	10/19	2/26
Camp Pendleton	0	0	0	0	0	0	0	1	0	0	9	9	10	8	9	9/26	4/20	11/16	3/16	9/18
Otay Mesa	0	0	0	0	0	0	1	2	0	0	8	10	10	9	9	9/25	9/25	6/19	9/2	7/22
Basinwide	0	0	2	1	0	7	8	18	18	23	11	12	14	13	12	9/27	8/30	6/20	9/1	7/1

\* Ozone data for October 21-28, 2007, was designated as an "exceptional event" for ozone due to wildfires and is not included in this table.

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 2006-2010\*

Station	Number of Days Exceeding Federal 8-Hour Standard: Concentration > 7.5 pphm***					Number of Days Exceeding State 8-Hour Standard: Concentration > 7.0 pphm**					Maximum 8-Hour Concentration (pphm)					Date of Maximum 8-Hour Concentration				
	10	09	08	07	06	10	09	08	07	06	10	09	08	07	06	10	09	08	07	06
<b>Chula Vista</b>	2	0	3	1	0	3	3	4	2	0	8	8	8	9	7	9/27	9/25	4/26	5/8	5/11
<b>El Cajon</b>	3	2	5	3	4	6	4	10	3	9	8	8	9	8	9	9/27	8/30	6/21	9/1	6/3
<b>Kearny Mesa / Miramar</b>	0	1	5	2	1	3	3	8	4	2	7	8	9	8	9	9/25	9/25	4/26	5/8	6/3
<b>Del Mar</b>	0	1	3	2	0	2	3	9	3	1	7	8	8	8	7	9/26	4/20	4/26	5/8	9/18
<b>Escondido</b>	3	1	13	3	6	5	7	22	5	10	8	8	10	8	10	9/26	8/27	6/20	9/1	7/22
<b>Alpine</b>	12	22	31	22	37	19	40	58	42	63	9	10	11	9	10	8/24	8/30	6/19	9/2	7/1
<b>Downtown San Diego</b>	0	0	0	0	0	0	0	1	1	0	7	6	7	7	7	9/26	3/18	4/26	5/8	2/26
<b>Camp Pendleton</b>	1	1	2	0	0	1	4	3	4	5	8	8	8	7	7	9/26	4/20	4/27	5/18	2/26
<b>Otay Mesa</b>	0	0	2	0	0	0	0	3	1	0	7	7	9	7	7	9/26	9/25	4/26	9/2	4/20
<b>Basinwide</b>	14	24	35	25	38	20	43	65	43	68	9	10	11	9	10	8/24	8/30	6/19	9/2	7/1

\* Ozone data for October 21-28, 2007, was designated as an "exceptional event" for ozone due to wildfires and is not included in this table.

\*\* State 8-hour Standard adopted in 2005.

\*\*\* Federal 8-hour standard was revised to >7.5 pphm on March 12, 2008, to become effective March 12, 2009.

# Particulate Matter (PM2.5)

## Annual Average and Maximum 24-Hour Sample San Diego County 2006-2010\*

Station	Annual Average Federal Standard: 15 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				
	10	09	08	07	06	10	09	08	07	06	10	09	08	07	06
<b>Chula Vista</b>	9.5	11.4	12.3	11	11.2	22	43	32	45	30	12/4	1/1	10/27	11/20	2/4
<b>El Cajon</b>	10.8	12.1	13.3	12	11.3	27	56	30	42	37	12/4	1/1	11/23	11/20	2/5
<b>Kearny Mesa</b>	8.7	10.5	11.3	10	11	18	25	27	30	26	1/26	3/17	11/23	11/20	2/4
<b>Escondido</b>	10.5	10.5	12.4	11.8	11.4	33	34	31	36	40	12/31	12/24	7/5	12/25	12/25
<b>Downtown San Diego</b>	10.4	11.7	13.7	11.7	13.1	29	52	42	52	63	12/2	1/1	1/11	12/11	12/5

\* PM2.5 data for October 21-November 8, 2007, was designated as an "exceptional event" for PM2.5 due to wildfires and is not included in this table.

\*\* Concentrations are averaged over a 24-hour period; as of December 17, 2006, the federal standard was changed from 65 to 35 micrograms/cubic meter.

# Particulate Matter (PM10)

## Annual Arithmetic Mean and Maximum 24-Hour Sample San Diego County 2006-2010\*

Station	Annual Arithmetic Mean 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				
	10	09	08	07	06	10	09	08	07	06	10	09	08	07	06
<b>Chula Vista</b>	24	25.7	25.9	25	25.7	43	57	53	51	51	1/26	10/28	10/27	11/20	10/26
<b>El Cajon</b>	21.1	25.1	26.8	27.3	27	41	55	40	49	47	12/4	1/1	1/1	11/2	12/7
<b>Kearny Mesa</b>	18.6	24.7	23.3	22.2	22.5	33	50	41	44	42	8/24	10/28	10/27	11/20	6/16
<b>Escondido</b>	20.9	24.9	24.6	25.3	24.1	42	73	82	57	51	12/25	1/1	1/1	11/2	12/25
<b>Downtown San Diego</b>	23	29	28.3	28.4	34.2	40	59	58	55	71	11/4	10/28	10/27	4/12	12/7
<b>Otay Mesa</b>	46.6	53.6	55.9	51.9	53.7	108	126	158	143	133	10/29	10/16	10/27	11/26	12/7
<b>Donovan</b>	29.8	34.2	30.8	32	26.5	57	81	99	91	75	8/24	11/3	10/27	11/26	02/10

\* PM10 data for October 21-27, 2007, was designated as an "exceptional event" for PM10 due to wildfires and is not included in this table.

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

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

Note: PM10 concentrations at the Otay Mesa site are heavily influenced by the site's proximity to the truck border crossing at the U.S.-Mexico port of entry. To better measure concentrations representing the Otay Mesa area as a whole, a parallel monitor (Donovan) was established two miles north of the existing monitor, which is not unduly influenced by specific local sources.

# Carbon Monoxide

## Maximum 1-Hour and 8-Hour Average Concentrations San Diego County 2006-2010

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				
	10	09	08	07	06	10	09	08	07	06	10	09	08	07	06	10	09	08	07	06
<b>Chula Vista</b>	2.1	2.1	2.5	3.1	2.7	1/15	1/20	10/29	1/26	11/15	1.6	1.4	1.9	2.2	2.2	1/15	1/8	10/29	1/24	11/15
<b>Escondido</b>	3.9	4.4	5.6	5.2	5.7	1/7	1/8	10/30	1/9	12/5	2.5	3.4	2.8	3.2	3.6	1/4	1/1	1/2	12/24	12/25
<b>San Diego - Union Street*</b>	-	-	-	8.7	10.8	-	-	-	11/6	12/9	-	-	-	5.2	3.5	-	-	-	12/27	1/6
<b>Downtown San Diego</b>	2.8	4.0	3.5	4.4	5.3	1/15	1/13	10/29	1/24	2/8	2.2	2.8	2.6	3.0	3.3	12/3	1/10	11/22	1/9	12/7
<b>Otay Mesa</b>	3.1	4.6	4.6	5.7	5.1	1/8	1/1	11/13	11/13	12/14	2.2	3.1	3.5	3.4	3.4	1/10	12/19	11/14	10/26	12/15

\*Monitoring discontinued in 2008

# Nitrogen Dioxide

## Annual Average and Maximum 1-Hour Concentration San Diego County 2006-2010\*

Station	Annual Average Federal Standard: 0.053 ppm State Standard: 0.030 ppm*					Maximum 1-Hour Concentration in ppm Federal Standard: 0.100 ppm State Standard: 0.18 ppm*					Date of Maximum 1-Hour Concentration				
	10	09	08	07	06	10	09	08	07	06	10	09	08	07	06
<b>Chula Vista</b>	.012	.013	.015	.015	.017	.050	.065	.072	.082	.074	11/2	1/13	11/21	10/24	10/27
<b>El Cajon</b>	.013	.014	.016	.015	.018	.058	.054	.063	.065	.069	9/27	2/4	10/28	10/24	10/27
<b>Kearny Mesa</b>	.013	.014	.014	.015	.017	.073	.060	.077	.087	.091	9/27	11/2	11/18	10/22	11/15
<b>Escondido</b>	.014	.016	.018	.016	.017	.064	.073	.081	.072	.071	9/27	11/2	10/27	11/28	11/22
<b>Alpine</b>	.007	.008	.008	.010	.010	.052	.056	.047	.057	.057	12/2	10/2	12/1	11/20	2/3
<b>Downtown San Diego</b>	.015	.017	.019	.018	.021	.077	.078	.091	.098	.094	9/27	4/20	10/8	10/24	12/7
<b>Camp Pendleton</b>	.008	.010	.010	.010	.011	.081	.068	.089	.068	.081	11/3	1/20	11/18	1/25	5/12
<b>Otay Mesa</b>	.021	.021	.024	.022	.024	.091	.091	.123	.101	.097	11/2	11/9	10/28	6/20	12/7

\* The state standard was amended on February 22, 2007, lowering the 1-hour standard from 0.25 ppm to 0.18 ppm and establishing a new annual standard of 0.030 ppm. The new standards became effective March 20, 2008.

# Sulfur Dioxide

## Annual Average and Maximum 1-Hour and 3-Hour Concentrations San Diego County 2006-2010

Station	Annual Average in ppm Federal Standard: 0.030 ppm					Maximum 24-Hour Concentration (ppm) Federal Standard: 0.14 ppm State Standard: 0.04 ppm					Maximum 3-Hour Concentration (ppm) Federal Standard: 0.5 ppm*					Maximum 1-Hour Concentration (ppm) State Standard: 0.25 ppm				
	10	09	08	07	06	10	09	08	07	06	10	09	08	07	06	10	09	08	07	06
<b>Chula Vista</b>	0.001	0.002	0.002	0.003	0.003	0.002	0.003	0.004	0.004	0.006	0.003	0.005	0.007	0.007	0.013	0.005	0.007	0.011	0.012	0.017
<b>Downtown San Diego</b>	0.000	0.002	0.003	0.003	0.004	0.002	0.005	0.008	0.005	0.008	0.004	0.009	0.017	0.010	0.030	0.008	0.021	0.037	0.018	0.034
<b>Otay Mesa</b>	0.002	0.004	0.002	0.003	0.003	0.007	0.008	0.008	0.008	0.010	0.013	0.018	0.016	0.017	0.021	0.027	0.029	0.025	0.027	0.045

\*The 3-hour maximum is a secondary standard.