

Ozone

Number of Days Exceeding Federal and State 1-Hour Ozone Standards San Diego County 2002-2006

Station	Number of Days Exceeding Federal 1-Hour Standard Concentration > 12 pphm					Number of Days Exceeding State 1-Hour Standard Concentration > 9 pphm					Maximum 1-Hour Concentration (pphm)					Date of Maximum 1-Hour Concentration				
	06	05	04	03	02	06	05	04	03	02	06	05	04	03	02	06	05	04	03	02
Chula Vista	0	0	0	0	0	0	0	1	0	1	8	9	10	8	12	6/3	10/10	5/3	10/28	9/1
El Cajon	0	0	0	0	0	2	0	1	1	2	11	9	10	10	10	6/3	4/15	10/9	9/21	8/9
Kearny Mesa	0	0	0	0	0	1	0	6	2	3	11	8	11	11	11	6/3	4/15	5/2	10/19	9/21
Del Mar	0	0	1	0	0	0	0	3	0	1	9	8	13	9	10	9/18	8/25	10/8	10/17	9/21
Escondido	0	0	0	0	0	3	1	2	3	2	11	10	10	11	10	7/22	9/3	4/27	9/21	9/1
Alpine	0	0	0	1	0	21	13	5	17	13	12	11	11	13	12	7/1	7/13	5/31	9/21	6/6
Downtown SD (12th)	-	0	0	0	0	-	0	0	0	0	-	7	9	8	9	-	5/12	9/5	4/9	9/21
Downtown SD (Beardsley)	0	0				0	0				8	7				2/26	8/25			
Camp Pendleton	0	0	0	0	0	0	0	4	4	0	9	9	11	10	9	9/18	8/25	5/3	10/16	5/12
Otay Mesa	0	0	0	0	0	0	2	1	1	2	9	11	10	10	11	7/22	10/6	4/27	10/13	9/1
Basinwide	0	0	1	1	0	23	16	12	23	15	12	11	13	13	12	7/1	7/13	10/8	9/21	6/6

► Downtown San Diego monitoring station moved July 14, 2005, from 12th Avenue to Beardsley Street

Ozone

Number of Days Exceeding Federal & State 8-Hour Ozone Standard San Diego County 2002-2006

Station	Number of Days Exceeding Federal 8-Hour Standard Concentration > 8.5 pphm					Number of Days Exceeding State 8-Hour Standard Concentration > 7.0 pphm					Maximum 8-Hour Concentration (pphm)					Date of Maximum 8-Hour Concentration				
	06	05	04	03	02	06	05	04	03	02	06	05	04	03	02	06	05	04	03	02
Chula Vista	0	0	1	0	0	0	State 8-Hour Standard adopted in 2006				7	8	9	6	7	5/11	4/6	5/3	7/10	5/12
El Cajon	1	0	0	0	0	9					9	7	8	7	8	6/3	5/13	4/25	9/21	9/22
Kearny Mesa	1	0	2	0	1	2					9	7	9	8	9	6/3	5/12	5/2	10/19	9/21
Del Mar	0	0	3	0	0	1					7	7	10	8	8	9/18	4/17	10/8	10/17	9/21
Escondido	2	0	2	0	0	10					10	8	9	8	8	7/22	4/16	4/27	9/21	9/22
Alpine	14	5	2	6	12	63					10	9	9	10	10	7/1	5/14	10/9	5/21	6/6
Downtown SD (12th)	-	0	0	0	0	-					-	6	7	6	7	-	4/17	9/5	4/9	9/21
Downtown SD (Beardsley)	0	0				0					7	6				2/26	9/17			
Camp Pendleton	0	0	2	0	0	5					7	7	10	8	7	2/26	4/17	10/8	10/8	5/12
Otay Mesa	0	0	0	0	1	0					7	7	8	8	9	4/20	10/6	4/27	5/21	9/1
Basinwide	14	5	8	6	13	68				10	9	10	10	10	7/1	5/14	10/8	5/21	6/6	

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Carbon Monoxide

Maximum 1-Hour and 8-Hour Average Concentrations
San Diego County 2002-2006

Station	Maximum 1-Hour Concentration in ppm Federal Standard 35 ppm State Standard 20 ppm					Date of Maximum 1-Hour Concentration					Maximum 8-Hour Concentration in ppm Federal Standard 9 ppm State Standard 9 ppm					Date of Maximum 8-Hour Concentration				
	06	05	04	03	02	06	05	04	03	02	06	05	04	03	02	06	05	04	03	02
Chula Vista	2.7	2.8	3.9	6.9	4.3	11/15	11/23	2/12	10/27	2/13	2.2	2.1	2.5	5.4	2.6	11/15	11/23	1/10	10/28	2/27
Escondido	5.7	5.9	5.3	12.7	8.5	12/5	1/20	12/11	10/28	1/21	3.6	3.1	3.6	10.6	3.9	12/25	1/20	12/11	10/28	1/21
★ Escondido (without fire data)				8.9					2/7					3.9					1/17	
SD <i>curbside</i> (Union)	10.8	5.3	6.3	8.0	8.2	12/9	1/19	1/14	1/25	2/7	3.5	3.9	3.8	5.1	3.6	1/6	1/14	1/1	1/26	2/23
Downtown SD (12th)	-	6.4	4.9	5.0	5.0	-	4/18	8/10	1/15	1/7	-	4.7	4.0	3.9	3.5	-	4/16	1/11	12/19	2/23
Downtown SD (Beardsley)	5.3	4.5				2/8	12/21				3.3	3.1				12/7	12/20			
Otay Mesa	5.1	7.9	6.9	7.0	8.4	12/14	12/6	12/14	10/18	1/11	3.4	3.7	4.1	4.9	4.7	12/15	12/6	12/14	10/27	1/11

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★ In October 2003, wildfires caused unusually high levels of carbon monoxide

Nitrogen Dioxide

Annual Average and Maximum 1-Hour Concentration
San Diego County 2002-2006

Station	Annual Average Federal Standard .053 ppm					Maximum 1-Hour Concentration (ppm) State Standard > .25 ppm					Date of Maximum 1-Hour Concentration				
	06	05	04	03	02	06	05	04	03	02	06	05	04	03	02
Chula Vista	.017	.016	.016	.018	.018	.074	.071	.072	.102	.093	10/27	11/15	5/2	10/20	11/6
El Cajon	.018	.019	.019	.020	.020	.069	.079	.075	.130	.085	10/27	11/23	1/13	10/28	11/6
Kearny Mesa	.017	.017	.017	.018	.019	.091	.076	.085	.084	.080	11/15	10/14	1/10	10/28	2/26
Escondido	.017	.016	.018	.020	.021	.071	.076	.080	.135	.084	11/22	10/13	10/8	10/28	2/27
Alpine	.010	.011	.011	.014	.013	.057	.061	.063	.071	.068	2/3	11/23	3/18	12/5	1/8
Downtown SD (12th)	-	.020	.020	.021	.022	-	.091	.094	.111	.102	-	1/13	5/3	10/21	11/20
Downtown SD (Beardsley)	.021	.023				.094	.100				12/7	11/15			
Camp Pendleton	.011	.012	.012	.012	.013	.081	.077	.099	.095	.109	5/12	1/14	1/13	1/15	2/21
Otay Mesa	.024	.024	.023	.020	.021	.097	.109	.125	.148	.126	12/7	9/6	9/1	10/18	10/8

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Particulate Matter (PM₁₀)

San Diego County 2002-2006

Station	Annual Arithmetic Mean 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					
	06	05	04	03	02	06	05	04	03★	03 without fire data	02	06	05	04	03★	03 without fire data	02
Chula Vista	26	27	26	27	27	51	52	44	75	65	50	10/26	10/7	1/16	11/23	12/5	12/4
El Cajon	27	28	30	34	35	47	48	55	230	66	61	12/7	12/12	3/22	11/23	12/5	6/19
Kearny Mesa	22	22	25	29	24	42	44	44	280	49	47	6/16	10/13	4/29	11/23	11/29	12/4
Escondido	24	24	27	33	27	51	42	57	179	58	51	12/25	10/13	1/10	10/29	12/31	9/5
Downtown SD (12th)	-	28	33	37	35	-	76	68	139	60	85	-	1/10	12/17	11/23	12/5	12/4
Downtown SD (Beardsley)	34	37				71	77					12/7	9/1				
Otay Mesa	54	58	51	53	55	133	155	137	130	130	130	12/7	10/13	12/15	12/5	12/5	11/28

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★ In October 2003, firestorms caused unusually high levels of particulate matter

* Federal annual standard revoked December 17, 2006

** Concentrations are averaged over a 24-hour period

Particulate Matter (PM_{2.5})

San Diego County 2002-2006

Station	Annual Average Federal Standard 15 micrograms/m ³ State Standard 12 micrograms/m ³					Maximum 24-Hour Sample* Federal Standard 65 micrograms/m ³						Date of Maximum 24-Hour Sample					
	06	05	04	03	02	06	05	04	03★	03 without fire data	02	06	05	04	03★	03 without fire data	02
Chula Vista	11	12	12	14	14	30	34	33	239	41	41	2/4	11/6	3/16	10/27	12/5	1/2
El Cajon	11	11	13	12	15	38	41	44	-	33	40	2/5	10/21	1/1	1/1	1/1	1/1
Kearny Mesa	11	10	11	12	13	26	29	29	170	30	37	2/4	3/11	3/19	10/27	1/12	1/2
Escondido	11	12	14	14	16	41	43	67	69	38	54	12/25	1/1	1/1	10/27	12/31	1/1
Downtown SD (12th)	-	11	14	15	16	-	32	43	170	51	47	-	1/22	1/9	10/27	1/23	11/3
Downtown SD (Beardsley)	13	16				63	44					12/5	11/15				

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★ In October 2003, firestorms caused unusually high levels of particulate matter

– There was an equipment malfunction at the El Cajon monitoring station during the fires

* Concentrations are averaged over a 24-hour period; as of December 17, 2006, standard changed to 35 micrograms per cubic meter

Sulfur Dioxide

Annual Average and Maximum 1-Hour & 3-Hour Concentrations
San Diego County 2002-2006

Station	Annual Average in pphm Federal Standard 3 pphm					Maximum 24-Hour Concentration in pphm Federal Standard 14 pphm State Standard 4 pphm					Maximum 3-Hour Concentration in pphm Federal Standard 50 pphm *					Maximum 1-Hour Concentration in pphm State Standard 25 pphm				
	06	05	04	03	02	06	05	04	03	02	06	05	04	03	02	06	05	04	03	02
Chula Vista	0.3	0.3	0.3	0.4	0.4	0.6	0.5	1.5	0.9	1.2	1.3	0.9	2.1	2.1	2.8	1.7	1.6	4.2	3.0	4.4
Downtown SD (12th)	-	0.2	0.4	0.4	0.3	-	0.6	0.9	0.8	0.7	-	1.9	2.0	1.9	1.5	-	4.0	4.2	4.0	2.8
Downtown SD (Beardsley)	0.4	0.3				0.9	0.9				3.0	2.6				3.4	3.6			
Otay Mesa	0.3	0.5	0.6	0.3	0.4	1.1	1.3	1.4	1.1	0.9	2.1	3.1	2.8	1.8	1.6	4.5	4.0	4.5	2.5	2.0

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* The 3-hour maximum is a secondary standard
(Secondary standards set limits to protect public welfare, which includes visibility and vegetation. For most other pollutants, the secondary standards are the same as the primary standards that protect public health.)