

# Ozone

## Number of Days Exceeding Federal and State 1-Hour Ozone Standards San Diego County 2001-2005

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				
	05	04	03	02	01	05	04	03	02	01	05	04	03	02	01	05	04	03	02	01
Chula Vista	0	0	0	0	0	0	1	0	1	2	9	10	8	12	10	10/10	5/3	10/28	9/1	9/30
El Cajon	0	0	0	0	0	0	1	1	2	3	9	10	10	10	12	4/15	10/9	9/21	8/9	5/8
Kearny Mesa	0	0	0	0	1	0	6	2	3	9	8	11	11	11	14	4/15	5/2	10/19	9/21	9/30
Del Mar	0	1	0	0	0	0	3	0	1	0	8	13	9	10	9	8/25	10/8	10/17	9/21	9/30
Escondido	0	0	0	0	1	1	2	3	2	4	10	10	11	10	14	9/3	4/27	9/21	9/1	9/30
Alpine	0	0	1	0	1	13	5	17	13	22	11	11	13	12	14	7/13	5/31	9/21	6/6	5/8
Downtown SD (12th)	0	0	0	0	0	0	0	0	0	1	7	9	8	9	10	5/12	9/5	4/9	9/21	9/30
Downtown SD (Beardsley)	0					0					7					8/25				
Camp Pendleton	0	0	0	0	0	0	4	4	0	2	9	11	10	9	11	8/25	5/3	10/16	5/12	9/29
Otay Mesa	0	0	0	0	0	2	1	1	2	0	11	10	10	11	9	10/6	4/27	10/13	9/1	9/30
Basinwide	0	1	1	0	2	16	12	23	15	29	11	13	13	12	14	7/13	10/8	9/21	6/6	9/30

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

# Ozone

## Number of Days Exceeding Federal 8-Hour Ozone Standard San Diego County 2001-2005

Station	Number of Days Exceeding Federal 8-Hour Standard Concentration > 8.5 pphm					Maximum 8-Hour Concentration (pphm)					Date of Maximum 8-Hour Concentration				
	05	04	03	02	01	05	04	03	02	01	05	04	03	02	01
<b>Chula Vista</b>	0	1	0	0	0	8	9	6	7	8	4/6	5/3	7/10	5/12	6/9
<b>El Cajon</b>	0	0	0	0	1	7	8	7	8	9	5/13	4/25	9/21	9/22	5/8
<b>Kearny Mesa</b>	0	2	0	1	1	7	9	8	9	9	5/12	5/2	10/19	9/21	9/30
<b>Del Mar</b>	0	3	0	0	0	7	10	8	8	8	4/17	10/8	10/17	9/21	5/22
<b>Escondido</b>	0	2	0	0	1	8	9	8	8	10	4/16	4/27	9/21	9/22	9/30
<b>Alpine</b>	5	2	6	12	15	9	9	10	10	12	5/14	10/9	5/21	6/6	5/8
<b>Downtown SD (12th)</b>	0	0	0	0	0	6	7	6	7	7	4/17	9/5	4/9	9/21	6/9
<b>Downtown SD (Beardsley)</b>	0					6					9/17				
<b>Camp Pendleton</b>	0	2	0	0	1	7	10	8	7	10	4/17	10/8	10/8	5/12	9/29
<b>Otay Mesa</b>	0	0	0	1	0	7	8	8	9	7	10/6	4/27	5/21	9/1	9/30
<b>Basinwide</b>	5	8	6	13	17	9	10	10	10	12	5/14	10/8	5/21	6/6	5/8

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# Carbon Monoxide

## Maximum 1-Hour and 8-Hour Average Concentrations San Diego County 2001-2005

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				
	05	04	03	02	01	05	04	03	02	01	05	04	03	02	01	05	04	03	02	01
<b>Chula Vista</b>	2.8	3.9	6.9	4.3	5.6	11/23	2/12	10/27	2/13	12/20	2.1	2.5	5.4	2.6	4.7	11/23	1/10	10/28	2/27	12/20
<b>Escondido</b>	5.9	5.3	12.7	8.5	8.5	1/20	12/11	10/28	1/21	2/5	3.1	3.6	10.6	3.9	5.1	1/20	12/11	10/28	1/21	1/5
★ <b>Escondido</b> (without fire data)			8.9					2/7					3.9					1/17		
<b>SD curbside</b> (Union)	5.3	6.3	8.0	8.2	6.0	1/19	1/14	1/25	2/7	1/3	3.9	3.8	5.1	3.6	4.8	1/14	1/1	1/26	2/23	12/7
<b>Downtown SD</b> (12th)	6.4	4.9	5.0	5.0	7.0	4/18	8/10	1/15	1/7	2/23	4.7	4.0	3.9	3.5	4.9	4/16	1/11	12/19	2/23	2/24
<b>Downtown SD</b> (Beardsley)	4.5					12/21					3.1					12/20				
<b>Otay Mesa</b>	7.9	6.9	7.0	8.4	6.2	12/6	12/14	10/18	1/11	1/19	3.7	4.1	4.9	4.7	3.9	12/6	12/14	10/27	1/11	12/6

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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 2001-2005

Station	Annual Average Federal Standard .053 ppm					Maximum 1-Hour Concentration (ppm) State Standard > .25 ppm					Date of Maximum 1-Hour Concentration				
	05	04	03	02	01	05	04	03	02	01	05	04	03	02	01
<b>Chula Vista</b>	.016	.016	.018	.018	.017	.071	.072	.102	.093	.071	11/15	5/2	10/20	11/6	10/16
<b>El Cajon</b>	.019	.019	.020	.020	.022	.079	.075	.130	.085	.078	11/23	1/13	10/28	11/6	10/15
<b>Kearny Mesa</b>	.017	.017	.018	.019	.019	.076	.085	.084	.080	.095	10/14	1/10	10/28	2/26	3/19
<b>Escondido</b>	.016	.018	.020	.021	.020	.076	.080	.135	.084	.088	10/13	10/8	10/28	2/27	11/20
<b>Alpine</b>	.011	.011	.014	.013	.014	.061	.063	.071	.068	.067	11/23	3/18	12/5	1/8	11/21
<b>Downtown SD (12th)</b>	.020	.020	.021	.022	.020	.091	.094	.111	.102	.098	1/13	5/3	10/21	11/20	1/3
<b>Downtown SD (Beardsley)</b>	.023					.100					11/15				
<b>Camp Pendleton</b>	.012	.012	.012	.013	.013	.077	.099	.095	.109	.092	1/14	1/13	1/15	2/21	2/3
<b>Otay Mesa</b>	.024	.023	.020	.021	.021	.109	.125	.148	.126	.148	9/6	9/1	10/18	10/8	9/27

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

# Particulate Matter (PM<sub>10</sub>)

San Diego County 2001-2005

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					
	05	04	03	02	01	05	04	03★	03 without fire data	02	01	05	04	03★	03 without fire data	02	01
<b>Chula Vista</b>	27	26	27	27	28	52	44	75	65	50	64	10/7	1/16	11/23	12/5	12/4	1/1
<b>El Cajon</b>	28	30	34	35	37	48	55	230	66	61	84	12/12	3/22	11/23	12/5	6/19	1/1
<b>Kearny Mesa</b>	22	25	29	24	26	44	44	280	49	47	40	10/13	4/29	11/23	11/29	12/4	10/16
<b>Escondido</b>	24	27	33	27	31	42	57	179	58	51	74	10/13	1/10	10/29	12/31	9/5	1/1
<b>Downtown SD (12th)</b>	28	33	37	35	31	76	68	139	60	85	66	1/10	12/17	11/23	12/5	12/4	1/1
<b>Downtown SD (Beardsley)</b>	37					77						9/1					
<b>Otay Mesa</b>	58	51	53	55	49	155	137	130	130	130	107	10/13	12/15	12/5	12/5	11/28	9/28

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

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

# Particulate Matter (PM<sub>2.5</sub>)

San Diego County 2001-2005

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 65 micrograms/m						Date of Maximum 24-Hour Sample					
	05	04	03	02	01	05	04	03★	03 without fire data	02	01	05	04	03★	03 without fire data	02	01
<b>Chula Vista</b>	12	12	14	14	14	34	33	239	41	41	41	11/6	3/16	10/27	12/5	1/2	1/1
<b>El Cajon</b>	11	13	12	15	18	41	44	—	33	40	47	10/21	1/1	1/1	1/1	1/1	11/6
<b>Kearny Mesa</b>	10	11	12	13	14	29	29	170	30	37	38	3/11	3/19	10/27	1/12	1/2	11/6
<b>Escondido</b>	12	14	14	16	18	43	67	69	38	54	60	1/1	1/1	10/27	12/31	1/1	1/1
<b>Downtown SD (12th)</b>	11	14	15	16	17	32	43	170	51	47	54	1/22	1/9	10/27	1/23	11/3	1/1
<b>Downtown SD (Beardsley)</b>	16					44						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

# Sulfur Dioxide

Annual Average and Maximum 1-Hour & 3-Hour Concentrations  
San Diego County 2001-2005

Station	Annual Average in pphm Federal Standard 3 pphm					Maximum 24-Hour Concentration in pphm Federal Standard 14 pphm State Standard 5 pphm					Maximum 3-Hour Concentration in pphm Federal Standard 50 pphm					Maximum 1-Hour Concentration in pphm State Standard 25 pphm				
	05	04	03	02	01	05	04	03	02	01	05	04	03	02	01	05	04	03	02	01
<b>Chula Vista</b>	0.3	0.3	0.4	0.4	0.3	0.5	1.5	0.9	1.2	1.4	0.9	2.1	2.1	2.8	3.6	1.6	4.2	3.0	4.4	4.9
<b>Downtown SD (12th)</b>	0.2	0.4	0.4	0.3	0.3	0.6	0.9	0.8	0.7	1.0	1.9	2.0	1.9	1.5	3.6	4.0	4.2	4.0	2.8	5.2
<b>Downtown SD (Beardsley)</b>	0.3					0.9					2.6					3.6				
<b>Otay Mesa</b>	0.5	0.6	0.3	0.4	0.4	1.3	1.4	1.1	0.9	1.1	3.1	2.8	1.8	1.6	3.9	4.0	4.5	2.5	2.0	6.0

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