

# Ozone

## Number of Days Exceeding Federal and State Standards San Diego County 1999-2003

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				
	03	02	01	00	99	03	02	01	00	99	03	02	01	00	99	03	02	01	00	99
Chula Vista	0	0	0	0	0	0	1	2	0	4	8	12	10	9	11	10/28	9/1	9/30	4/30	4/19
El Cajon	0	0	0	0	0	1	2	3	5	3	10	10	12	11	10	9/21	8/9	5/8	4/25	2/28
Kearny Mesa	0	0	1	0	0	2	3	9	5	3	11	11	14	12	10	10/19	9/21	9/30	9/12	3/1
Del Mar	0	0	0	0	0	0	1	0	0	1	9	10	9	9	11	10/17	9/21	9/30	3/14	9/30
Escondido	0	0	1	0	0	3	2	4	6	1	11	10	14	12	10	9/21	9/1	9/30	9/16	8/25
Alpine	1	0	1	0	0	17	13	22	19	21	13	12	14	12	12	9/21	6/6	5/8	4/26	6/13
Downtown San Diego	0	0	0	0	0	0	0	1	1	0	8	9	10	12	9	4/9	9/21	9/30	9/12	2/28
Camp Pendleton	0	0	0	0	0	4	0	2	0	1	10	9	11	11	10	10/16	5/12	9/29	4/26	10/10
Otay Mesa	0	0	0	0	0	1	2	0	2	1	10	11	9	8	10	10/13	9/1	9/30	3/14	4/15
Basinwide	1	0	2	0	0	23	15	29	24	27	13	12	14	12	12	9/21	6/6	9/30	9/16	6/13

# Carbon Monoxide

Maximum 1-Hour and 8-Hour Average Concentrations  
San Diego County 1999-2003

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				
	03	02	01	00	99	03	02	01	00	99	03	02	01	00	99	03	02	01	00	99
Chula Vista	6.9	4.3	5.6	5.8	5.4	10/27	2/13	12/20	11/28	9/29	5.4	2.6	4.7	3.1	2.8	10/28	2/27	12/20	12/31	11/30
Escondido	12.7	8.5	8.5	9.3	9.9	10/28	1/21	2/5	11/20	1/5	10.6	3.9	5.1	4.9	5.3	10/28	1/21	1/5	11/21	12/18
★ Escondido (without fire data)	8.9					2/7					3.9					1/17				
San Diego Union St.	8.0	8.2	6.0	6.9	7.1	1/25	2/7	1/3	1/14	12/18	5.1	3.6	4.8	4.4	6.0	1/26	2/23	12/7	1/15	12/18
San Diego 12th Ave.	5.0	5.0	7.0	7.2	7.1	1/15	1/7	2/23	1/14	11/29	3.9	3.5	4.9	4.6	4.6	12/19	2/23	2/24	1/14	12/18
Otay Mesa	7.0	8.4	6.2	8.8	9.0	10/18	1/11	1/19	1/13	1/4	4.9	4.7	3.9	5.9	4.9	10/27	1/11	12/6	1/14	12/19

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

# Nitrogen Dioxide

Annual Average and Maximum 1-Hour Concentration  
San Diego County 1999-2003

Station	Annual Average Federal Standard .053 ppm					Maximum 1-Hour Concentration (ppm) State Standard > .25 ppm					Date of Maximum 1-Hour Concentration				
	03	02	01	00	99	03	02	01	00	99	03	02	01	00	99
Chula Vista	.018	.018	.017	.017	.019	.102	.093	.071	.072	.100	10/20	11/6	10/16	12/4	9/29
El Cajon	.020	.020	.022	.022	.024	.130	.085	.078	.076	.091	10/28	11/6	10/15	1/14	11/12
Kearny Mesa	.018	.019	.019	.021	.023	.084	.080	.095	.098	.101	10/28	2/26	3/19	1/13	10/21
Escondido	.020	.021	.020	.021	.023	.135	.084	.088	.083	.100	10/28	2/27	11/20	11/28	3/1
Alpine	.014	.013	.014	.015	.015	.071	.068	.067	.073	.079	12/5	1/8	11/21	1/5	11/29
Downtown San Diego	.021	.022	.020	.024	.026	.111	.102	.098	.117	.122	10/21	11/20	1/3	9/12	11/29
Camp Pendleton	.012	.013	.013	.014	.014	.095	.109	.092	.117	.157	1/15	2/21	2/3	12/5	10/20
Otay Mesa	.020	.021	.021	.020	.023	.148	.126	.148	.112	.172	10/18	10/8	9/27	12/7	11/2

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

San Diego County 1999-2003

Station	Annual Arithmetic 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					
	03	02	01	00	99	03★	03 without fire data	02	01	00	99	03★	03 without fire data	02	01	00	99
Chula Vista	27	27	28	28	30	75	65	50	64	52	59	11/23	12/5	12/4	1/1	11/26	12/8
El Cajon	34	35	37	31	34	230	66	61	84	69	60	11/23	12/5	6/19	1/1	12/2	12/8
Kearny Mesa	29	24	26	27	27	280	49	47	40	55	56	11/23	11/29	12/4	10/16	5/12	7/13
Escondido	33	27	31	30	30	179	58	51	74	65	52	10/29	12/31	9/5	1/1	12/2	12/8
Downtown San Diego	37	35	31	34	33	139	60	85	66	65	69	11/23	12/5	12/4	1/1	12/2	1/6
Otay Mesa	53	55	49	46	52	130	130	130	107	139	121	12/5	12/5	11/28	9/28	11/26	2/23

★ In October 2003, wildfires 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 1999-2003

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 65micrograms/m						Date of Maximum 24-Hour Sample					
	03	02	01	00	99	03★	03 without fire data	02	01	00	99	03★	03 without fire data	02	01	00	99
Chula Vista	14.3	13.9	15.5	13.1	15.1	239	41	41.0	41.0	40.5	47.1	10/27	12/5	1/2	1/1	12/23	11/14
El Cajon	12.3	15.3	17.7	15.7	16.4	-	33	39.3	46.7	65.5	47.0	1/1	1/1	1/1	11/6	12/24	11/14
Kearny Mesa	12.0	12.9	13.5	12.4	14.2	170	30	36.5	37.9	48.5	43.4	10/27	1/12	1/2	11/6	12/2	3/1
Escondido	14.2	16.1	17.5	15.8	18.0	69	38	53.6	60.0	65.9	64.3	10/27	12/31	1/1	1/1	12/24	10/28
Downtown San Diego	15.4	15.5	16.6	15.6	17.7	170	51	46.6	54.1	66.3	46.9	10/27	1/23	11/3	1/1	12/2	9/28



In October 2003, wildfires 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 1999-2003

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				
	03	02	01	00	99	03	02	01	00	99	03	02	01	00	99	03	02	01	00	99
Chula Vista	0.4	0.4	0.3	0.3	0.3	0.9	1.2	1.4	1.0	1.9	2.1	2.8	3.6	3.0	4.7	3.0	4.4	4.9	4.5	8.4
Downtown San Diego	0.4	0.3	0.3	0.4	0.2	0.8	0.7	1.0	1.0	0.8	1.9	1.5	3.6	2.9	2.5	4.0	2.8	5.2	3.8	3.9
Otay Mesa	0.3	0.4	0.4	0.4	0.3	1.1	0.9	1.1	1.1	1.3	1.8	1.6	3.9	3.4	6.1	2.5	2.0	6.0	5.8	8.1