

2003 Ozone Season Summary

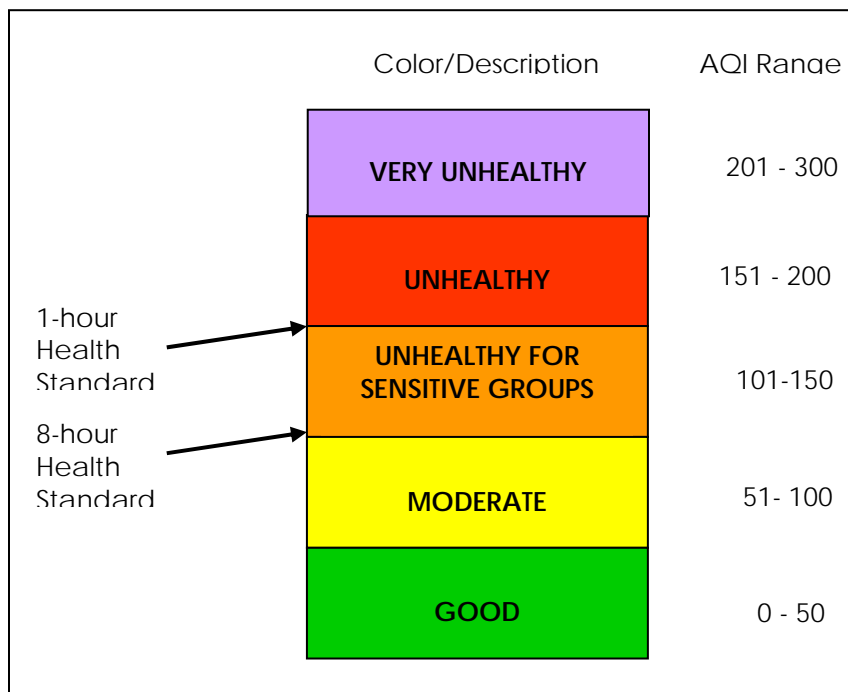
Metropolitan Washington Region

Department of Environmental Programs
Metropolitan Washington
Council of Governments
Washington, DC



Air Quality Reporting

Air Quality Index (AQI) Ranges – Health Descriptors



AQI Codes, Health Descriptors, and Ground-Level Ozone (O₃) Concentration Ranges in parts per billion (ppb)

AQI COLOR	AQI RANGE	HEALTH DESCRIPTOR	1-HOUR O ₃ RANGE	8-HOUR O ₃ RANGE
Purple	201 - 300	Very Unhealthy	>204	>124
Red	151 - 200	Unhealthy	125 - 204	105 - 124
Orange	101 - 150	Unhealthy for Sensitive Groups	105-124	85 - 104
Yellow	51 - 100	Moderate	80 - 104	65 - 84
Green	0 - 50	Good	0 - 79	0 - 64

Air Quality in Metropolitan Washington Area Ozone Season 2003

Ozone Action Day Forecasts Issued*
June 24 (Orange)
June 25 - 26
June 27 (Orange)
*Code Red unless noted
Total: 4 (2 Code Red, 2 Code Orange)

Exceedances of One-Hour Standard, 2003			
Date	# of Monitors Exceeding	Regional high (ppb)	Highest Monitor
June 25	7	141	Prince George's Equestrian Center
June 26	1	137	Prince George's Equestrian Center
August 14	1	127	Mt. Vernon
Total: 3			

Exceedances of Eight-Hour Standard, 2003	
June 24 - 26	August 14
June 30	August 22
	August 28
Total: 7	

Daily Peak One-hour Ozone Concentration (ppb)

Washington Non-Attainment Area-2003

MAY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
				1	2	3
				59	65	50
4	5	6	7	8	9	10
62	36	31	52	51	37	39
11	12	13	14	15	16	17
41	62	92	68	66	54	31
18	19	20	21	22	23	24
39	54	54	42	20	22	38
25	26	27	28	29	30	31
53	48	30	52	61	65	65

JUNE

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1	2	3	4	5	6	7
55	55	55	42	68	79	68
8	9	10	11	12	13	14
68	67	82	85	79	66	86
15	16	17	18	19	20	21
58	63	40	52	79	43	43
22	23	24	25	26	27	28
54	80	119	141	137	94	85
29	30					
95	119					

JULY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
		1	2	3	4	5
		93	43	39	97	89
6	7	8	9	10	11	12
90	85	83	77	57	54	63
13	14	15	16	17	18	19
80	83	76	82	85	88	87
20	21	22	23	24	25	26
86	86	69	61	70	89	84
27	28	29	30	31		
65	62	66	82	51		

AUGUST

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
					1	2
					53	64
3	4	5	6	7	8	9
45	52	76	93	68	86	52
10	11	12	13	14	15	16
56	58	85	77	127	89	79
17	18	19	20	21	22	23
83	68	82	79	93	111	64
24	25	26	27	28	29	30
45	81	103	75	105	94	71
31						
48						

SEPTEMBER

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	1	2	3	4	5	6
	53	46	48	37	42	50
7	8	9	10	11	12	13
82	70	46	56	68	45	36
14	15	16	17	18	19	20
33	57					
21	22	23	24	25	26	27
28	29	30				

Daily Peak Eight-hour Ozone Concentration (ppb)

Washington Non-Attainment Area-2003

MAY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
				1	2	3
				53	44	42
4	5	6	7	8	9	10
56	25	24	29	38	32	25
11	12	13	14	15	16	17
31	60	48	57	57	49	29
18	19	20	21	22	23	24
33	39	42	27	17	18	29
25	26	27	28	29	30	31
43	35	25	40	44	57	53

JUNE

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1	2	3	4	5	6	7
50	50	44	37	62	75	54
8	9	10	11	12	13	14
59	55	75	73	68	49	62
15	16	17	18	19	20	21
49	49	29	43	66	35	38
22	23	24	25	26	27	28
47	72	107	125	126	73	74
29	30					
76	100					

JULY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
		1	2	3	4	5
		72	32	33	83	76
6	7	8	9	10	11	12
78	65	67	51	50	49	58
13	14	15	16	17	18	19
66	65	70	74	76	70	79
20	21	22	23	24	25	26
80	75	62	55	62	75	76
27	28	29	30	31		
58	54	58	75	45		

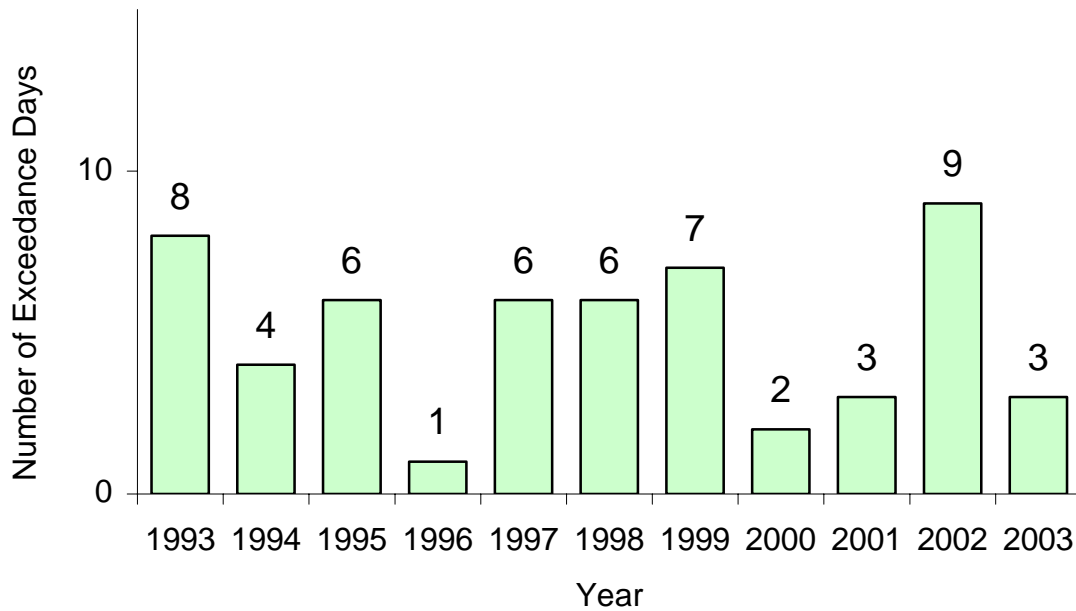
AUGUST

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
					1	2
					42	52
3	4	5	6	7	8	9
38	43	66	77	58	75	47
10	11	12	13	14	15	16
48	48	74	64	95	78	64
17	18	19	20	21	22	23
70	57	66	68	80	85	57
24	25	26	27	28	29	30
28	72	84	64	90	73	53
31						
43						

SEPTEMBER

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	1	2	3	4	5	6
	46	39	39	32	37	40
7	8	9	10	11	12	13
52	61	44	48	59	37	27
14	15	16	17	18	19	20
25	29					
21	22	23	24	25	26	27
28	29	30				

Exceedances of One-Hour Ozone Standard Washington Metropolitan Region, 1993-2003



Exceedances of Eight-Hour Ozone Standard Washington Metropolitan Region, 1993-2003

