

DRAFT

2001 Ozone Season Summary **Metropolitan Washington Region**

Department of Environmental Programs
Metropolitan Washington Council of Governments
Washington, D.C.

Updated on Wednesday, September 19, 2001

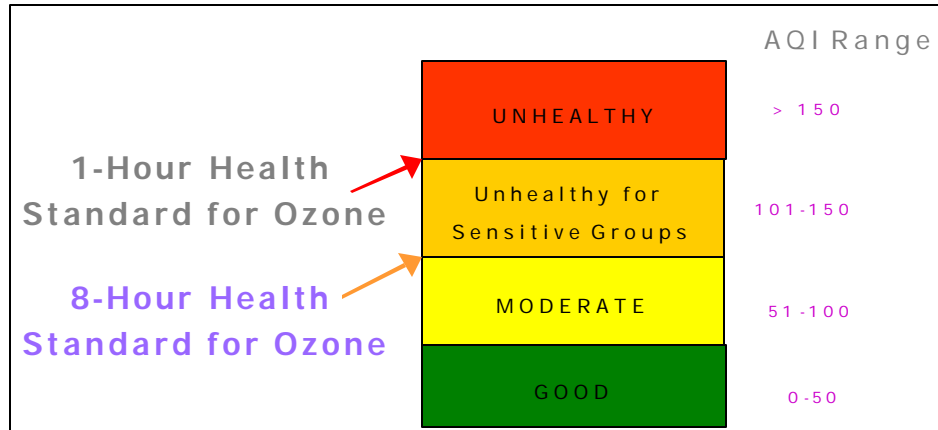
Website URL

<http://www.mwcoq.org/dep/air/download/o3sum2001.pdf>



Air Quality Reporting

Air Quality Index (AQI) Ranges - Health Descriptors



AQI Color 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
GREEN	1 - 50	Good	0 - 79	0 - 64
YELLOW	51 - 100	Moderate	80 - 104	65 - 84
ORANGE	101 - 150	Unhealthy for Sensitive Groups	105 - 124	85 - 104
RED	> 150	Unhealthy	> 124	> 104

Air Quality in Metropolitan Washington Region (May 1 - September 19, 2001)

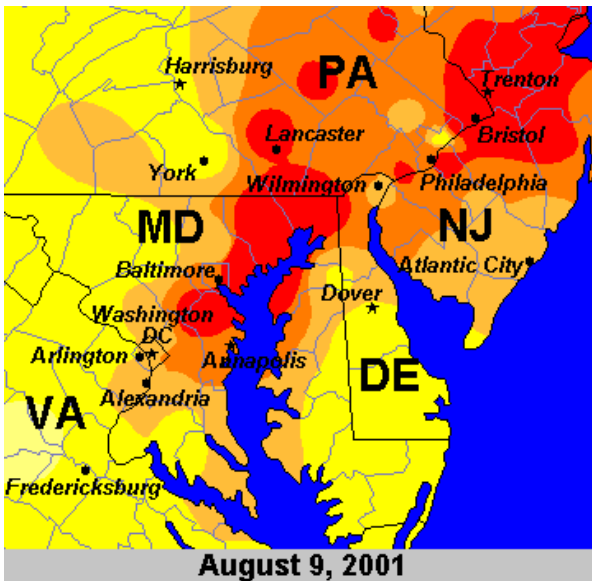
- **Ten** Ozone Action Day (OAD) forecasts issued during this period (June 19, June 20, June 27, June 28, June 29, July 23, August 7, August 8, August 9, and August 10)

- There were
 - **3** exceedances of the 1-hour ozone health standard (code RED)
 - June 20 – Four sites reported code RED concentration levels; regional high 136ppb
 - June 26 – Three sites in RED; regional high 127ppb
 - June 29 – One site in RED; regional high 126ppb

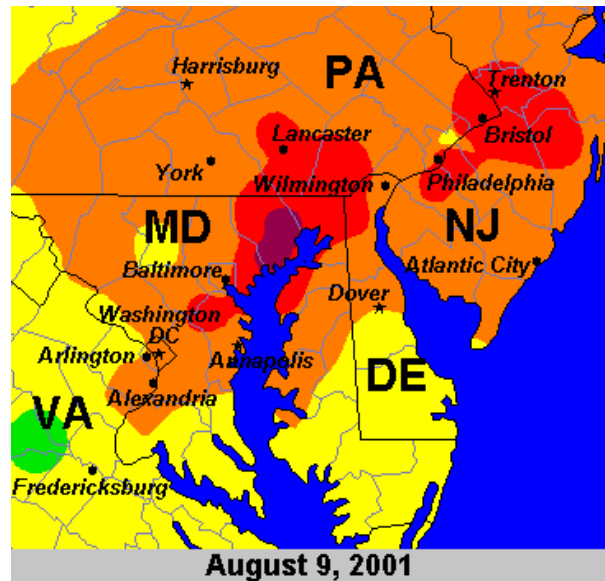
 - **24** exceedances of the 8-hour health standard

Daily Peak Ozone Concentrations AUGUST 9, 2001

(a) Peak 1-Hour



(b) Peak 8-hour



Note: RED in map (a) indicates exceedance of the 1-hour health standard, and ORANGE, RED and BROWN in map (b) indicate new 8-hour health standard exceedances

Source: EPA's AIRNOW

Monitored Daily Highest One-hour Ozone Concentration (ppb) and AQI Color

One-Hour Ozone MAY 2001						
SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
		95	100	112	105	106
6	7	8	9	10	11	12
53	58	61	76	92	94	71
13	14	15	16	17	18	19
53	58	64	68	46	40	63
20	21	22	23	24	25	26
48	48	50	67	84	65	53
27	28	29	30	31		
66	67	64	55	58		

One-Hour Ozone JUNE 2001						
SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
					58	64
3	4	5	6	7	8	9
47	66	81	90	59	70	74
10	11	12	13	14	15	16
86	87	117	124	87	53	46
17	18	19	20	21	22	23
84	114	109	136	119	83	53
24	25	26	27	28	29	30
65	90	127	109	108	126	95

One-Hour Ozone JULY 2001						
SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
65	50	71	71	73	53	90
8	9	10	11	12	13	14
77	91	96	67	67	54	93
15	16	17	18	19	20	21
71	96	99	63	80	86	86
22	23	24	25	26	27	28
80	93	64	77	65	66	84
29	30	31				
42	51	79				

One-Hour Ozone AUGUST 2001						
SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
			105	79	90	88
5	6	7	8	9	10	11
93	108	106	109	119	100	87
12	13	14	15	16	17	18
57	65	85	95	86	75	97
19	20	21	22	23	24	25
73	79	61	82	86	83	80
26	27	28	29	30	31	
75	72	84	85	78	72	

One-Hour Ozone SEPTEMBER						
SUN	MON	TUE	WED	THU	FRI	SAT
						1
						51
2	3	4	5	6	7	8
68	61	68	60	72	90	79
9	10	11	12	13	14	15
54	43	71	71	87	45	50
16	17	18	19	20	21	22
59	75	77				
23	24	25	26	27	28	29
30						

Monitored Daily Highest 8-hour Ozone Concentration (ppb) and AQI Color

8-Hour Ozone MAY 2001						
SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
		89	94	100	96	89
6	7	8	9	10	11	12
51	55	54	67	84	88	64
13	14	15	16	17	18	19
50	53	59	59	42	32	56
20	21	22	23	24	25	26
43	46	39	61	76	60	46
27	28	29	30	31		
59	61	61	52	50		

8-Hour Ozone JUNE 2001						
SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
					51	53
3	4	5	6	7	8	9
45	61	73	76	48	64	68
10	11	12	13	14	15	16
81	78	96	104	73	43	38
17	18	19	20	21	22	23
73	101	93	112	97	71	47
24	25	26	27	28	29	30
43	76	108	101	97	107	76

8-Hour Ozone JULY 2001						
SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
59	44	63	59	56	48	75
8	9	10	11	12	13	14
63	77	84	61	60	48	57
15	16	17	18	19	20	21
62	85	94	59	73	75	76
22	23	24	25	26	27	28
76	79	55	63	47	58	75
29	30	31				
36	43	64				

8-Hour Ozone AUGUST 2001						
SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
			94	73	77	72
5	6	7	8	9	10	11
77	88	92	91	100	78	67
12	13	14	15	16	17	18
50	56	76	85	82	62	78
19	20	21	22	23	24	25
65	67	55	72	72	74	70
26	27	28	29	30	31	
62	66	69	66	62	61	

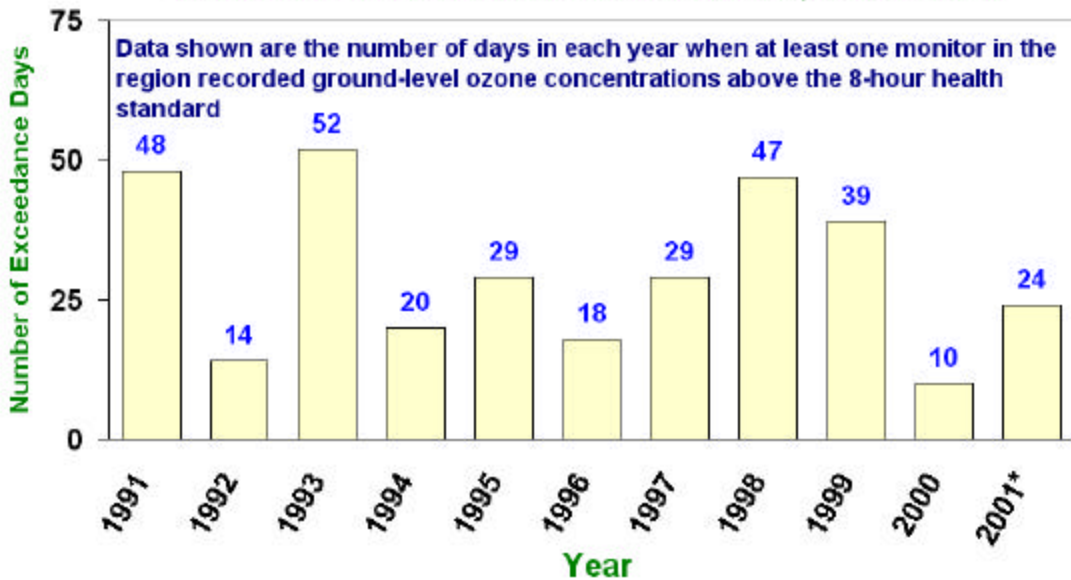
8-Hour Ozone SEPTEMBER						
SUN	MON	TUE	WED	THU	FRI	SAT
						1
						44
2	3	4	5	6	7	8
56	57	59	51	61	80	73
9	10	11	12	13	14	15
45	39	63	63	76	31	41
16	17	18	19	20	21	22
51	64	66				
23	24	25	26	27	28	29
30						

Exceedances of One-Hour Ozone Standard Washington Metropolitan Region, 1991-2001



* Year 2001 data are preliminary and incomplete

Exceedances of 8-Hour Ozone Standard Washington Metropolitan Region, 1991-2001



* Year 2001 data are preliminary and incomplete

Metropolitan Washington Air Quality Committee Region



Created by Department of Environmental Programs
Metropolitan Washington Council of Governments
Washington, DC
Created on: July 14, 1999