



# **Ozone Season Summary**

Sunil Kumar

TAC Meeting, COG

October 9, 2007



# Ozone Season Summary

## Daily Peak 8-Hour Ozone Concentration (ppb) Washington Area-2007

### MAY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
		1	2	3	4	5
		68	66	46	56	57
6	7	8	9	10	11	12
53	51	62	51	48	72	75
13	14	15	16	17	18	19
54	59	73	63	49	35	59
20	21	22	23	24	25	26
66	54	78	71	72	80	91
27	28	29	30	31		
73	70	82	89	86		

### JUNE

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
					1	2
					80	75
3	4	5	6	7	8	9
34	51	53	50	83	81	68
10	11	12	13	14	15	16
60	71	56	54	37	48	57
17	18	19	20	21	22	23
69	100	88	59	75	52	57
24	25	26	27	28	29	30
72	74	83	81	67	43	69

**Maximum 8-Hour Ozone  
Concentration : August 4 (110 ppb)**

Code Red – 1 Day  
Code Orange – 14 Days  
Code Yellow – 66 Days

Data current as of October 8, 2007

### JULY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1	2	3	4	5	6	7
50	54	62	60	50	66	78
8	9	10	11	12	13	14
71	89	70	57	59	63	65
15	16	17	18	19	20	21
63	80	95	66	56	61	47
22	23	24	25	26	27	28
50	59	68	68	82	67	88
29	30	31				
60	65	78				

### AUGUST

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
			1	2	3	4
			85	91	83	110
5	6	7	8	9	10	11
82	72	91	73	71	68	60
12	13	14	15	16	17	18
74	76	77	85	76	81	51
19	20	21	22	23	24	25
50	41	27	24	34	70	82
26	27	28	29	30	31	
62	60	73	66	78	65	

### SEPTEMBER

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
						1
						51
2	3	4	5	6	7	8
66	67	79	88	79	82	75
9	10	11	12	13	14	15
50	73	37	57	65	56	34
16	17	18	19	20	21	22
36	44	51	45	57	53	46
23	24	25	26	27	28	29
62	60	86	84	75	50	43



## 8-Hour Ozone Exceedances

Date	# of Monitors Exceeding	Highest Monitor(s)	Highest Concentration (ppb)
5/26/2007	1	PG Equestrian Center	91
5/30/2007	5	Frederick	89
5/31/2007	2	Ashburn	86
6/18/2007	11	Southern Maryland	100
6/19/2007	3	Aurora Hills	88
7/9/2007	6	Mt Vernon	89
7/17/2007	10	Aurora Hills, Annandale, Mt Vernon	95
7/28/2007	1	Aurora Hills	88
8/1/2007	1	Mt Vernon	85
8/2/2007	4	Ashburn	91
8/4/2007	6	River Terrace	110
8/7/2007	5	River Terrace	91
8/15/2007	1	River Terrace	85
9/5/2007	2	Frederick	88
9/25/2007	1	Frederick	86



# Daily Peak Fine Particle Concentrations

## Daily Peak 24-Hour Particle Concentration (ug/m3) Washington Area-2007

### MAY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
		1	2	3	4	5
		6	12	5	6	8
6	7	8	9	10	11	12
3	3	5	7	8	13	19
13	14	15	16	17	18	19
4	6	15	17	10	8	8
20	21	22	23	24	25	26
12	9	12	7	8	16	32
27	28	29	30	31		
29	21	16	20	20		

### JUNE

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
					1	2
					25	22
3	4	5	6	7	8	9
3	8	8	10	19	23	8
10	11	12	13	14	15	16
13	19	13	9	7	9	14
17	18	19	20	21	22	23
21	38	44	12	10	8	8
24	25	26	27	28	29	30
17	22	32	29	22	15	24

### JULY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1	2	3	4	5	6	7
7	6	12	22	21	17	25
8	9	10	11	12	13	14
26	33	30	14	8	12	15
15	16	17	18	19	20	21
17	20	21	25	24	16	12
22	23	24	25	26	27	28
11	13	15	18	17	12	22
29	30	31				
22	18	16				

### AUGUST

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
			1	2	3	4
			20	27	26	42
5	6	7	8	9	10	11
32	32	46	38	14	20	7
12	13	14	15	16	17	18
13	23	10	18	25	21	5
19	20	21	22	23	24	25
13	20	9	17	20	26	24
26	27	28	29	30	31	
13	9	16	12	23	20	

### SEPTEMBER

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
						1
						7
2	3	4	5	6	7	8
14	16	19	19	24	18	11
9	10	11	12	13	14	15
4	19	17	8	14	15	7
16	17	18	19	20	21	22
5	7	8	7	10	12	12
23	24	25	26	27	28	29
12	6	17	24	20	10	6

**Maximum 24-Hour PM2.5  
Concentration: August 7 (46 µg/m<sup>3</sup>)**

Code Orange – 3 Days

Code Yellow – 70 Days

Data current as of October 8, 2007