

July 26, 2005
Louisville, MSA 8-Hr & 1-Hr Ozone Monitoring Report
(Data are not quality assured)

Table 1: 2005 8-Hr and 1-Hr Ozone Monitoring Summary Report

- 8-hour exceedances - 10 exceedances on 5 days (the highest reading is 98 ppb on 6/24/2005)
- 1-hour exceedances - none (the highest reading is 117 ppb on 6/24/2005)

8-Hour FCST /Max. ppb	8- Hour Excee- dance #	# of Day with Excee- dance	Date	Charlestown (CH) Clark County, IN		New Albany (NA) Floyd County, IN		Bates (BA) Jefferson County, KY		Watson (WS) Jefferson County, KY		WLKY-TV (WK) Jefferson County, KY		Buckner (BK) Oldham County, KY		Shepherdsville (SH) Bullitt County, KY		# A Q A
				8-hr	1-hr	8-hr	1-hr	8-hr	1-hr	8-hr	1-hr	8-hr	1-hr	8-hr	1-hr	8-hr	1-hr	
92/86	1	1	6/23/05	77	80	78	91	83	91	86	97	76	85	75	80	80	86	1
103/98	3	2	6/24/05	98	117	86	96	79	88	80	94	84	101	89	98	74	83	2
104/92	4	3	6/25/05	92	105	92	104	69	73	86	94	88	96	82	86	75	81	3
97/81			6/26/05	76	81	76	81	72	79	77	84	74	79	81	87	68	77	4
98/83			7/09/05	72	75	71	72	75	78	75	62	69	72	81	87	83	87	5
94/83			7/10/05	80	88	83	78	73	76	82	86	74	80	82	86	73	76	6
81/91	1	4	7/23/05	65	42	73	85	63	69	91	116	61	67	73	75	66	76	
93/80			7/24/05	72	79	60	65	59	64	56	65	58	70	80	96	53	55	7
84/94	1	5	7/25/05	71	78	63	68	60	75	58	65	57	65	94	107	52	61	
Total- 5 days / 10 Excee- dances	10	5	0	2	0	2	0	0	0	3	0	1	0	2	0	0	0	7

Notes: A 1-hour average of 125 ppb or greater exceeds the old ozone standard; an 8-hour average of 85 ppb or greater exceeds the new ozone standard. AQA: Air Quality Alert. FCST – Forecast.

Table 2: Louisville 1996 – 2005 1-Hr Exceedance Summary

Year	Charlestown	New Albany	Bates	Watson	WLKY-TV	Buckner	Shepherds- ville	Total Exceedances For Louisville, MSA
1996	0	1	0	1	1	0	0	3
1997	3	2	1	0	0	2	1	9
1998	3	2	2	1	1	1	0	10
1999	0	0	0	0	0	1	0	1
2000 ¹	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	1	1
2002	0	1	0	0	0	0	1	2
2003	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	1	1
2005	0	0	0	0	0	0	0	0

¹ Louisville, MSA achieved the 1-hour ozone standard

Table 3: Louisville 1998 – 2005 8-Hr Exceedance Summary

Year	Charlestown	New Albany	Bates	Watson	WLKY-TV	Buckner	Shep.	Louisville MSA Total		Jefferson County Total	
								Exceedances	Days	Exceedances	Days
1998	22	14	10	11	7	12	12	88	30	28	15
1999	11	10	16	13	4	34	11	99	44	33	22
2000	4	0	5	1	3	4	2	19	10	9	6
2001	4	0	2	1	1	4	2	14	10	4	3
2002	17	13	4	15	7	12	10	78	26	26	19
2003	4	4	1	0	0	2	0	11	7	1	1
2004	0	0	1	0	0	0	1	2	2	1	1
2005*	2	2	0	3	1	2	0	10	5	4	3

Table 4: 8-Hr Ozone 4th Maximum and Design Values Summary

Year	Louisville, MSA	Charles-town	New Albany	Bates	Watson	WLKY-TV	Buckner	Shepherds-ville
2005*	83	79	78	75	83	74	82	75
2004	74	74	71	70	70	67	74	68
2003	90	90	86	67	75	73	82	72
2002	100	100	97	85	96	88	91	91
2001	86	86	76	81	81	77	86	82
2000	90	85	77	90	76	84	85	82
1999	103	89	94	97	100	86	103	93
99-01 Avg.	91	86	82	89	85	82	91	85
00-02 Avg.	90	90	83	85	84	83	87	85
01-03 Avg.	92	92	86	77	84	79	86	81
02-04 Avg.	88	88	84	74	80	76	82	77
03-05 Avg.*	81	81	79	70	76	71	79	71

Bold –Design Value Sites for respective periods. *Year-to-date data.

8-Hr NAAQS: Attainment of the 8-Hr Ozone National Ambient Air Quality Standard (NAAQS) at an individual monitor is achieved when the three-year average of the annual fourth-highest daily maximum (4th maximum) 8-hr average ozone concentration is less than or equal to 84 ppb. This three-year average is the design value for that monitor.