

**Hamilton County Department of Environmental Services**  
**Ozone and Particulate Matter (PM2.5) Site Readings**  
**July 2007**  
**Data Not Quality Assured**

Date	Ozone Readings (PPB) High 1-Hour Reading/High 8-Hour Reading							PM2.5 Readings (ug/m3) 24-Hour Average				
	Sycamore	Colerain	Batavia	Lebanon	Middletown	Hamilton	Taft	PM2.5T	PM2.5M	PM2.5L	PM2.5B	PM2.5S
7/1/2007	56/50	65/58	57/53	57/51	65/58	62/55	66/62	17.9	14.2	9.8	12.8	
7/2/2007	46/42	56/51	51/47	56/49	59/51	57/52	55/51	11.3	6.9	7.1	8.3	
7/3/2007	106/88	91/81	82/71	84/74	113/89	106/86	86/77	26.0	24.9	18.5	17.1	
7/4/2007	55/48	56/49	67/54	60/53	53/49	53/48	52/45	37.8	34.8	28.7	28.3	
7/5/2007	47/39	47/38	51/41	57/47	58/49	52/44	45/36	17.6	15.1	11.2	15.3	
7/6/2007	61/56	65/57	70/63	64/60	71/66	61/57	66/62	18.0	13.7	10.5	14.0	
7/7/2007	64/61	62/57	67/64	67/62	68/64	65/61	66/62	19.0	10.9	12.5	14.7	
7/8/2007		75/69	83/75	93/76	72/66	66/63	75/72	31.1	18.5	18.4	23.5	
7/9/2007	89/79	82/71	76/70	92/78	82/71	84/72	83/74	44.8	31.8	32.3	38.7	
7/10/2007	60/43	57/49	55/40	67/50	66/52	60/51	57/45	29.6	29.2	26.4	27.4	
7/11/2007	48/45	51/49	53/49	52/49	54/51	50/48	58/55	13.5	8.8	7.0	10.6	11.8
7/12/2007	50/46	53/49	53/48	56/51	56/54	54/50	58/55	11.2	5.3	4.7	9.0	6.9
7/13/2007	57/50	64/54	59/50	55/52	59/55	58/53	69/59	16.3	9.2	8.5	15.3	16.9
7/14/2007	59/56	62/59	66/61	61/58	67/61	62/58	61/60	24.1	14.6	12.4	20.4	20.1
7/15/2007	59/49	54/49	55/42	61/54	57/53	56/51	57/47	23.0	17.2	15.2	22.4	20.1
7/16/2007	70/58	76/67	54/50	74/63	78/71	73/65	83/70	18.6	11.6	9.5	16.7	
7/17/2007	54/45	52/45	56/50	59/48	52/46	46/18	54/45	24.2	14.6	12.9	21.8	
7/18/2007	60/54	64/49	57/45	63/57	56/50		57/51	23.3	12.3	15.5	17.8	15.6
7/19/2007	54/38	46/32	53/39	49/40	50/46	38/31	49/37	22.0	11.5	11.1	20.0	19.7
7/20/2007	47/44	53/48	40/38	47/45	47/45	47/44	58/55	15.2	8.2		11.6	10.3
7/21/2007	51/47	56/51	41/39	47/44	53/49	52/49	59/56	13.7	6.8	7.6	7.3	7.0
7/22/2007	55/51	56/53	51/47	56/51	56/53	56/54	60/57	14.7	9.4	10.0	9.7	9.6
7/23/2007	55/51	67/59	50/46	58/52	66/59	64/59	61/56	22.4	17.5	16.1	15.9	16.5
7/24/2007	71/60	73/65	57/55	69/63	74/64	74/65	80/67	27.8	21.1	19.3	20.4	23.7
7/25/2007	72/61	83/70	64/59	66/57	71/63	79/64	76/68	26.9	17.2	16.5	19.7	18.1
7/26/2007	58/44	52/30	47/38	60/48	66/51	60/39	50/37	31.4	27.1	26.6	24.9	26.6
7/27/2007	71/56	68/55	64/55	73/60	69/52	66/57	68/57	36.4	28.6	28.5	31.1	34.9
7/28/2007	56/52	55/51	43/39	57/52	59/55	59/53	54/51	23.8	20.0	20.3	15.3	21.6
7/29/2007	65/62	70/65	52/49	65/60	70/65	68/63	68/61	36.8	26.6	26.8	28.0	31.6
7/30/2007	63/57	72/68	55/52	63/56	68/64	68/64	61/51	28.6	17.2	19.7	22.2	23.3
7/31/2007	71/64	71/69	68/56	71/65	78/73	73/70	68/63	17.1	14.8	14.7	15.4	15.0

1-hour ozone values in bold indicate an exceedence of the previous standard of 120 PPB

8-hour ozone values in bold indicate an exceedence of the current standard of 85 PPB

PM2.5 values in bold indicate readings over 40 ug/m3, which equates to Unhealthy for Sensitive Groups on the AQI

Dates underlined indicate "Smog Alert" issued

Blank box indicates no data available on that date

PM2.5T = Taft Site

PM2.5M = Middletown Site

PM2.5B = Batavia Site

PM2.5L = Lebanon Site

PM2.5S = Sycamore Site