

Hamilton County Department of Environmental Services
Ozone and Particulate Matter (PM2.5) Site Readings
August 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
8/1/2007	78/75	90/81	80/77	85/80	84/79	83/81	73/67	27.7	22.1	25.1	25.9	29.2
<u>8/2/2007</u>	87/80	104/ 88		81/78	101/ 91	106/ 91	101/83	49.3	36.0	32.8	40.0	40.9
<u>8/3/2007</u>	87/75	74/66	104/ 93	80/75	77/73	71/65	66/60	49.2	37.8	39.8	56.6	48.6
<u>8/4/2007</u>	96/83	93/79	85/74	85/74	81/76	75/70	76/67	39.1	18.6	24.6	42.8	32.4
<u>8/5/2007</u>	78/68	65/57	56/49	56/49	67/60	62/57	58/52	40.4	34.4	36.5	36.2	43.9
<u>8/6/2007</u>	81/67	67/58	82/64	71/61	65/57	64/56	62/56	39.1	24.2	25.3	34.8	35.6
<u>8/7/2007</u>		58/53	66/65	71/65	65/54	60/53	58/55	31.5	20.2	23.5	32.8	31.9
<u>8/8/2007</u>	71/67	59/56	67/63	75/67	67/58	65/59	61/55	25.8	17.7	20.0	27.3	28.9
<u>8/9/2007</u>	68/62	62/53	64/58	69/60	68/56	62/55	63/52	21.1	15.2	16.7	24.1	26.7
<u>8/10/2007</u>	59/56	60/56	69/63	62/56	61/58	56/55	59/56	19.9	8.2	11.7	14.0	16.4
<u>8/11/2007</u>	69/62	73/67	57/52	64/56	72/66	72/65	73/64	20.1	12.1	15.3	16.0	19.3
<u>8/12/2007</u>	80/73	71/66	97/81	77/69	72/70	67/64	83/74	24.3	16.8	15.9	20.7	19.1
<u>8/13/2007</u>	70/65	65/60	72/67	64/58	62/60	65/58	73/65	22.7	11.5	13.2	16.5	19.1
<u>8/14/2007</u>	60/47	59/41	59/47	55/48	46/41	58/41	64/47	13.4	10.9	12.8	14.2	15.2
<u>8/15/2007</u>	111/82	94/81	101/ 92	83/72	106/ 88	101/ 85	118/ 97	30.4	25.0	22.1	26.2	29.8
<u>8/16/2007</u>	91/78	76/71	104/ 90	87/73	80/75	72/69	82/74	22.0	24.9	24.4	27.2	33.6
<u>8/17/2007</u>	56/55	55/50	67/59	58/53	60/55	54/49	57/53	19.7	15.7	16.2	14.8	27.2
<u>8/18/2007</u>	46/42	55/47	47/44	42/38	45/42	47/42	50/44	12.8	3.5	4.6	3.8	
<u>8/19/2007</u>	93/83	72/69	97/78	95/78	90/76	77/68	80/74	25.9	16.6	15.8	18.2	
<u>8/20/2007</u>	70/63	64/57	67/58	74/62	63/51	64/55	69/63	29.8	21.2	22.1	22.8	22.0
<u>8/21/2007</u>	48/42	44/37	53/43	44/39	40/33	44/39	49/41	30.3	18.7	21.7	19.7	32.4
<u>8/22/2007</u>	81/68	62/56	87/74	83/69	65/62	59/55	82/67	28.8	24.5	23.1	24.1	32.2
<u>8/23/2007</u>	77/71	77/63	80/68	77/70	63/58	71/61	73/67	28.1	17.5	20.7	19.6	30.0
<u>8/24/2007</u>	88/76	77/67	85/77	86/78	75/63	74/64	88/77	29.1	18.7	22.7	19.8	28.8
<u>8/25/2007</u>	59/56	53/51	62/57	56/53	56/52	52/50	57/54	17.4	6.5	10.1	13.7	17.1
<u>8/26/2007</u>	70/60	58/54	57/53	62/54	58/54	54/50	71/63	15.9	8.7	8.8	6.2	13.5
<u>8/27/2007</u>	72/68	89/78	66/64	67/63	88/75	89/74	84/75	21.9	14.6	16.0	12.5	19.4
<u>8/28/2007</u>	109/ 89	102/ 93	85/81	83/80	107/ 95	111/ 96	104/ 93	32.6	27.9	25.9	20.8	30.2
<u>8/29/2007</u>	106/ 87	86/66		100/ 89	92/81	84/75	92/80	40.6	33.0	31.2	30.3	39.5
<u>8/30/2007</u>	50/43	51/46	53/48	50/46	50/45	47/43	53/40	25.8	18.5	18.2	15.0	25.9
<u>8/31/2007</u>	58/51	63/55	59/52	57/50	59/51	59/50	63/54	12.5	4.5	7.1	3.8	11.2

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

8-hour ozone values in bold indicate an exceedance 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