

Hamilton County Department of Environmental Services
Ozone and Particulate Matter (PM2.5) Site Readings
May 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
5/1/2007	75/71	73/71	80/73	79/77	74/66	74/70	73/69	23.7	13.6	*	17.4	21.3
5/2/2007	54/41	52/46	55/49	60/53	53/48	54/46	51/40	12.8	18.5	*	22.7	27.3
5/3/2007	55/37	49/36	57/46	54/41	49/38	54/40	45/33	20.2	7.9	*	12.7	11.7
5/4/2007	46/39	47/38	51/46	52/45	52/45	52/40	43/37		12.9	*	19.6	20.4
5/5/2007	57/49	54/46	55/49	59/51	60/50	59/49	54/46		16.2	*	18.7	23.8
5/6/2007	57/53	61/58	57/54	59/56	61/57	59/56	59/54	9.4	4.9	*	6.2	8.2
5/7/2007	62/56	62/55	55/51	59/56	69/56	62/56	55/48	9.7	5.5	*	6.9	8.5
5/8/2007	84/73	83/72	73/68	82/76	83/70	83/74	73/65	22.1	16.7	*	12.5	17.0
5/9/2007	75/61	73/63	68/63	83/67	78/62	73/57	72/60	27.1	21.1	*	18.9	21.6
5/10/2007	74/69	69/64	76/68	78/72	74/70	72/68	69/64	27.2	14.9	*	23.5	25.5
5/11/2007	73/68	76/73	81/75	80/77	78/74	73/69	72/68	24.2	11.1	*	17	20.2
5/12/2007	78/72	84/76	77/73	79/72	77/72	76/69	82/72	23.9	14.4	*	18.2	19.3
5/13/2007	59/54	66/60	57/54	61/57	62/57	61/57	61/56	8.9	4.4	*	3.1	6.5
5/14/2007	73/69	74/68	71/64	78/73	80/71	76/68	70/63	19.3	9.9	*	11.0	12.2
5/15/2007	80/76	80/77	69/66	89/85	82/76	79/75	78/75	34.7	26.7	*	27.9	33.1
5/16/2007	42/34	46/39	49/35	49/40	46/38	47/36	47/36	11.8	5.4	*	8.3	11.5
5/17/2007	40/36	47/43	45/42	47/44	47/43	44/41	41/37	12.7	4.9	*	6.6	9.8
5/18/2007	56/50	63/57	56/52	60/56	63/57	61/55	56/50	16.8	9.7	*	7.8	12.7
5/19/2007	70/66	73/69	66/59	75/70	73/67	70/64	67/63	21.1	16.6	*	15.9	19.7
5/20/2007	75/72	76/73	71/67	79/74	77/72	74/69	72/68	19.1	16.2	*	16.3	17.2
5/21/2007	90/80	86/74	78/72	89/78	93/75	86/76	81/69	26.4	16.4	*	20.9	21.9
5/22/2007	86/79	85/79	69/67	75/73	80/77	86/82	79/72	30.0	19.8	*	21.3	27.6
<u>5/23/2007</u>	112/100	102/91	94/83	115/103	114/104	109/97	103/88	42.7	39.1	*	36.1	41.5
<u>5/24/2007</u>	86/74	83/68	68/60	88/79	93/82	85/75	73/64	38.0	41.9	*	33.4	35.7
<u>5/25/2007</u>	86/80	88/80	68/64	91/81	88/77	84/77	80/73	26.2	29.3	*	23.9	30.3
<u>5/26/2007</u>	83/76	77/69	61/57	81/75	73/68	70/67	75/70	35.4	34.9	*	25.4	37.0
5/27/2007	75/69	72/67	70/66	77/68	68/63	67/61	71/66	39.8	37.6	*	30.9	39.6
5/28/2007	77/62	77/63	60/55	62/56	66/55	69/58	81/67	35.3	30.7	*	27.2	35.5
5/29/2007	79/75	79/72	74/64	78/69	82/74	90/79	71/63	41.2	35.0	*	38.5	40.9
<u>5/30/2007</u>	94/80	80/74	69/65	80/75	90/84	92/82	77/72	43.8	39.7	36.7	40.5	48.7
5/31/2007	82/77	80/72	72/66	86/76	83/75	75/71	70/67	31.5	33.2	24.5	26.7	31.5

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