

**Hamilton County Department of Environmental Services
Ozone and Particulate Matter (PM2.5) Site Readings
September 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
9/1/2007	51/49	54/52	59/52	57/50	59/51	59/50	63/54	15.1	8.2	10.2	4.7	12.0
9/2/2007	94/82	91/74	81/74	85/74	83/74	72/67	89/78	28.9	13.6	16.2	18.5	24.9
9/3/2007	78/73	72/70	84/74	73/70	73/69	66/63	77/73	31.2	18.5	17.4	17.4	23.9
<u>9/4/2007</u>	86/77	85/76	98/84	82/75	81/74	73/69	91/79	35.0	17.6	15.8	13.6	21.6
<u>9/5/2007</u>	104/ 92	109/ 86	84/78	106/ 88	110/ 97	109/ 91	96/ 86	37.8	24.3	22.6	19.4	30.3
9/6/2007	88/77	87/76	80/72	95/82	93/78	89/78	71/62	47.1	39.3	33.1	33.0	39.9
<u>9/7/2007</u>	56/28	59/22	48/30	58/54	64/59	57/22	52/31	25.0	22.0	24.3	20.1	29.4
<u>9/8/2007</u>	57/17	47/6	47/20	56/12	59/12	53/11	50/12	23.1	15.2	14.6	12.9	23.1
9/9/2007	47/27	46/20	38/24	43/21	47/23	43/21	42/24	22.6	11.8	12.8	13.8	
9/10/2007	61/53	70/59	49/45	57/53	60/53	63/52	62/55	25.5	11.0	15.2	12.4	23.4
9/11/2007	47/43	43/40	42/37	47/44	47/43	42/39	43/37	13.9	9.0	11.5	7.4	16.8
9/12/2007	59/51	64/52	58/53	59/54	64/53	57/48	53/46	10.7	5.3	6.9	2.5	10.9
9/13/2007	79/68	81/69	60/57	78/71	85/70	82/68	73/66	14.6	10.3	9.9	4.7	13.3
9/14/2007	80/70	106/70	72/64	85/71	76/68	71/63	71/64	20.9	15.8	15.0	13.8	22.0
9/15/2007	37/33	37/33	36/31	38/33	39/35	37/31	37/31	7.8	3.7	5.2	1.2	7.8
9/16/2007	46/41	49/41	42/38	46/41	47/42	47/40	46/41	10.3	8.2	8.4	2.8	7.8
9/17/2007	61/53	63/57	55/53	60/55	64/57	63/54	64/52	18.5	11.6	12.3	7.4	15.5
9/18/2007	97/81	91/75	71/64	93/83	99/83	97/81	89/74	29.9	24.1	20.8	16.9	29.1
9/19/2007	101/ 91	87/76	94/ 85	91/ 85	84/77	81/73	98/ 85	42.7	25.5	25.1	24.6	32.2
<u>9/20/2007</u>	83/76	87/76	73/68	82/79	99/84	83/74	90/77	44.1	28.1	31.3	29.6	40.3
<u>9/21/2007</u>	81/78	85/71	61/51	84/78	99/84	98/80	78/62	33.5	18.9	25.5	27.4	31.1
<u>9/22/2007</u>	95/80	84/79	80/69	88/81	85/79	77/71	87/78	30.8	17.3	20.8	21.4	29.5
<u>9/23/2007</u>	85/78	92/82	73/70	78/75	85/77	81/76	88/79	25.7	19.7	20.5	16.7	29.5
<u>9/24/2007</u>	75/64	70/61	59/51	72/67	87/71	73/64	73/59	29.9	17.0	19.2	18.6	26.7
9/25/2007	60/48	50/28	44/38	58/46	53/42	47/35	53/45	23.4	15.3	15.5	16.1	26.5
9/26/2007	21/15	16/10	30/22	21/16	30/20	16/13	20/14	19.1	11.5	12.6	8.7	21.7
9/27/2007	22/14	28/20	24/16	23/14	28/23	23/16	17/16	20.0	10.5	14.3	8.6	22.7
9/28/2007	53/45	54/47	44/40	54/47	57/51	48/40	52/45	13.7	7.1	7.1	5.3	16.3
9/29/2007	59/53	62/50	46/43	58/54	61/51	59/50	61/49	16.0	8.8	8.6	4.7	14.8
9/30/2007	76/70	75/63	51/45	80/72	83/73	76/65	73/66	16.5	12.6	11.4	8.9	17.6

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