

**Macomb County Health Department  
Environmental Health Services Division  
Retention Basin/Combined Sewer/Sanitary Sewer Overflows  
For the dates 1/1/1999 thru 12/31/1999**

Start	Start Time	End	End Time	Hours	Gallons	Receiving Water	Meets NPDES	Precipitation	Type
<b>CHAPATON RTB</b>									
1/22/1999	9:45	1/23/1999	21:40	22.8	91,600,000	LAKE ST. CLAIR	Y		CSO-T
4/22/1999	21:30	4/23/1999	23:30	24	82,700,000	LAKE ST. CLAIR	Y	2.5	CSO-T
9/30/1999	0:35	9/30/1999	2:00	1.5	9,700,000	LAKE ST. CLAIR	Y	2	CSO-T
<b>SubTotals for CHAPATON RTB</b>				48.3	184,000,000			4.5	
<b>HAZEL PARK</b>									
6/28/1999	23:30	6/29/1999	1:45	2.3	65,362	KUTCHEY DRAIN	N		SSO
<b>SubTotals for HAZEL PARK</b>				2.3	65,362				
<b>MARTIN RTB</b>									
1/22/1999	9:45	1/24/1999	16:35	55.2	74,400,000	LAKE ST. CLAIR	Y	1.2	CSO-T
4/22/1999	20:00	4/24/1999	13:40	41.6	86,520,000	LAKE ST. CLAIR	Y	2.5	CSO-T
<b>SubTotals for MARTIN RTB</b>				96.8	160,920,000			3.7	
<b>MILK RIVER RTB</b>									
1/22/1999	9:05	1/22/1999	17:30	8.5	15,572,430	LAKE ST. CLAIR	Y	0.9	CSO-T
1/22/1999	5:45	1/23/1999		18.3	31,926,000	LAKE ST. CLAIR	Y		CSO-T
4/22/1999	21:50	4/22/1999	23:00	1.1	9,000,670	LAKE ST. CLAIR	Y		CSO-T
4/23/1999	7:07	4/23/1999	20:03	4.7	41,935,000	LAKE ST. CLAIR	Y	1.15	CSO-T
6/14/1999	8:25	6/14/1999	9:47	1.4	13,046,170	LAKE ST. CLAIR	Y	1.05	CSO-T
9/29/1999	10:44	9/29/1999	22:13	3.3	26,940,765	LAKE ST. CLAIR	Y	1.75	CSO-T
12/5/1999	20:30	12/5/1999	22:18	1.8	5,000,000	LAKE ST. CLAIR	Y	1.05	CSO-T
<b>SubTotals for MILK RIVER RTB</b>				39.1	143,421,035			5.9	
<b>SOCSDS RTB</b>									
1/22/1999	8:07	1/24/1999	3:50	43.7	273,000,000	RED RUN DRAIN	Y	1.15	CSO-T
4/22/1999	21:25	4/23/1999	22:40	21.4	199,000,000	RED RUN DRAIN	Y	2	CSO-T
5/18/1999	1:32	5/18/1999	4:00	2.5	21,000,000	RED RUN DRAIN	Y	1	CSO-T
6/13/1999	18:48	6/14/1999	10:00	6.9	63,000,000	RED RUN DRAIN	Y	1.25	CSO-T
6/27/1999	16:55	6/27/1999	18:26	1.5	8,000,000	RED RUN DRAIN	Y	0.55	CSO-T
6/28/1999	23:35	6/29/1999	5:26	5.9	140,000,000	RED RUN DRAIN	Y	1.45	CSO-T
7/1/1999	13:14	7/1/1999	17:30	4.2	21,000,000	RED RUN DRAIN	Y	0.9	CSO-T
7/23/1999	17:55	7/23/1999	20:32	2.6	30,000,000	RED RUN DRAIN	Y	0.8	CSO-T
9/6/1999	20:00	9/7/1999	0:10	4.1	67,000,000	RED RUN DRAIN	Y	4.1	CSO-T
<b>SubTotals for SOCSDS RTB</b>				92.8	822,000,000			13.2	
<b>Total all locations</b>				279.3	1,310,406,397				