

**Macomb County Health Department
Environmental Health Services Division
Retention Basin/Combined Sewer/Sanitary Sewer Overflows
For the dates 1/1/2001 thru 12/31/2001**

Start	Start Time	End	End Time	Hours	Gallons	Receiving Water	Meets NPDES	Precipitation	Type
ALMONT WWTP									
2/9/2001	0:30	2/11/2001	15:00	50		N.BRANCH CLINTON RIV	N	1.41	SSO
2/25/2001	7:15	2/26/2001	2:00	18.75		N.BRANCH CLINTON RIV	N	1.1	SSO
10/16/2001	14:15	10/17/2001	5:30	15.5	100,000	E. BRANCH COON CREEK	N	1.86	SSO
SubTotals for ALMONT WWTP				84.25	100,000			4.37	
CENTERLINE									
2/9/2001	12:00	2/10/2001	5:30	17.5	389,214	LORRAINE DRAIN	N	1.16	SSO
2/25/2001	3:15	2/25/2001	15:15	12	93,388	LORRAINE DRAIN	N	1.27	SSO
4/6/2001	12:15	4/6/2001	13:45	1.5	11,601	LORRAINE DRAIN	N	1.03	SSO
6/2/2001	18:00	6/3/2001	0:00	6	55,176	LORRAINE DRAIN	N	1.34	SSO
10/12/2001	14:15	10/13/2001	3:00	12.75	87,400	LORRAINE DRAIN	N	0.83	SSO
10/16/2001	13:00	10/17/2001	4:30	15.5	446,000	LORRAINE DRAIN	N	1.45	SSO
11/30/2001	3:45	11/30/2001	23:00	19.25	525,073	LORRAINE DRAIN	N	1.33	SSO
SubTotals for CENTERLINE				84.5	1,607,852			8.41	
CENTERLINE (2)									
4/7/2001	10:15	4/7/2001	10:30	0.25	202	LORRAINE DRAIN	N		SSO
SubTotals for CENTERLINE (2)				0.25	202				
CHAPATON RTB									
2/9/2001	10:30	2/10/2001	2:30	16	76,100,000	LAKE ST. CLAIR	Y	0.7	CSO-T
2/25/2001	2:25	2/25/2001	9:50	6.4	36,000,000	LAKE ST. CLAIR	Y	0.97	CSO-T
4/6/2001	9:45	4/6/2001	12:45	3	34,000,000	LAKE ST. CLAIR	Y	1.2	CSO-T
4/7/2001	6:30	4/7/2001	8:00	1.5	9,200,000	LAKE ST. CLAIR	Y	0.3	CSO-T
8/19/2001	1:50	8/19/2001	4:30	2.7	16,100,000	LAKE ST. CLAIR	Y		CSO-T
9/9/2001	20:15	9/10/2001	3:50	7.2	28,100,000	LAKE ST. CLAIR	Y	1.85	CSO-T
10/5/2001	14:00	10/6/2001	3:53	13.9	57,200,000	LAKE ST. CLAIR	Y	1.68	CSO-T
10/12/2001	7:20	10/12/2001	17:30	10.1	32,900,000	LAKE ST. CLAIR	Y	1.4	CSO-T
10/14/2001	9:20	10/14/2001	17:25	7.9	20,600,000	LAKE ST. CLAIR	Y	1.3	CSO-T
10/16/2001	10:10	10/17/2001	2:15	16	68,700,000	LAKE ST. CLAIR	Y	1.1	CSO-T
11/30/2001	1:00	11/30/2001	19:45	18.75	154,600,000	LAKE ST. CLAIR	y	2.85	CSO-T
SubTotals for CHAPATON RTB				103.45	533,500,000			13.35	

Start	Start Time	End	End Time	Hours	Gallons	Receiving Water	Meets NPDES	Precipitation	Type
CLINTON - BEACONSFIELD									
2/9/2001	15:00	2/9/2001	16:00	1	450	ROSECLINHAR DRAIN	N	0.75	SSO
2/9/2001	19:30	2/9/2001	20:30	1	430	ROSECLINHAR DRAIN	N	1	SSO
2/9/2001	21:10	2/9/2001	22:10	1	910	ROSECLINHAR DRAIN	N	1.25	SSO
8/16/2001	7:09	8/16/2001	8:09	1		ROSECLINHAR DRAIN	N		SSO
10/12/2001	9:10	10/12/2001	10:10	1	330	ROSECLINHAR DRAIN	N		SSO
10/16/2001	12:30	10/16/2001	14:30	2	1,320	ROSECLINHAR DRAIN	N		SSO
11/30/2001	3:00	11/30/2001	15:30	12.5	2,530	ROSECLINHAR DRAIN	N	3.75	SSO
SubTotals for CLINTON - BEACONSFIELD				19.5	5,970			6.75	
CLINTON - GOLDEN									
11/30/2001	8:15	11/30/2001	9:15	1	31,380	ROSECLINHAR DRAIN	N	3.75	SSO
SubTotals for CLINTON - GOLDEN				1	31,380			3.75	
CLINTON - KING DRAIN									
2/9/2001	16:25	2/9/2001	17:25	1	6,230	ROSECLINHAR DRAIN	N	0.75	SSO
2/9/2001	21:25	2/9/2001	22:25	1	9,850	ROSECLINHAR DRAIN	N	1.25	SSO
5/17/2001	23:30	5/18/2001	0:30	1	6,230	ROSECLINHAR DRAIN	N		SSO
8/19/2001	12:30	8/19/2001	1:30	1	10	ROSECLINHAR DRAIN	N	1.35	SSO
11/30/2001	8:30	11/30/2001	14:30	6	54,000	ROSECLINHAR DRAIN	N	3.75	SSO
SubTotals for CLINTON - KING DRAIN				10	76,320			7.1	
CLINTON - MILLAR									
5/18/2001	4:00	5/18/2001	7:30	3.5	252,000	HARRINGTON DRAIN	N		SSO
SubTotals for CLINTON - MILLAR				3.5	252,000				
CLINTON - MULBERRY									
2/9/2001	15:30	2/9/2001	16:30	1	25,800	CLINTON RIVER	N	0.75	SSO
2/9/2001	21:00	2/9/2001	22:00	1	34,400	CLINTON RIVER	N	1.25	SSO
11/30/2001	8:45	11/30/2001	9:45	1	1,900	CLINTON RIVER	N	3.75	SSO
SubTotals for CLINTON - MULBERRY				3	62,100			5.75	
CLINTON - N.NUNNELEY									
11/30/2001	12:05	11/30/2001	4:05	4	4,720	ROSECLINHAR DRAIN	N	3.75	SSO
SubTotals for CLINTON - N.NUNNELEY				4	4,720			3.75	
CLINTON - RUTHERFORD									
10/16/2001	12:40	10/16/2001	14:10	1.5	5,840	ROSECLINHAR DRAIN	N		SSO
11/30/2001	3:00	11/30/2001	11:00	8	27,740	ROSECLINHAR DRAIN	N	3.75	SSO
SubTotals for CLINTON - RUTHERFORD				9.5	33,580			3.75	

Start	Start Time	End	End Time	Hours	Gallons	Receiving Water	Meets NPDES	Precipitation	Type
FRASER									
2/9/2001	12:00	2/9/2001	23:15	11.2	344,140	SWEENEY DRAIN	N	1.25	SSO
2/25/2001	2:15	2/25/2001	3:45	1.5	52,500	SWEENEY DRAIN	N	1.46	SSO
4/6/2001	7:00	4/6/2001	8:00	1	45,755	SWEENEY DRAIN	N	0.61	SSO
4/9/2001	11:00	4/9/2001	12:00	1	22,186	SWEENEY DRAIN	N	0.63	SSO
5/21/2001	18:45	5/21/2001	19:15	0.5	12,558	SWEENEY DRAIN	N	1	SSO
9/9/2001	16:00	9/9/2001	16:30	0.5	5,312	SWEENEY DRAIN	N	1.45	SSO
10/5/2001	17:45	10/6/2001	0:15	6.5	24,702	SWEENEY DRAIN	N	1.52	SSO
10/12/2001	8:00	10/12/2001	12:00	4	146,658	SWEENEY DRAIN	N	1.62	SSO
10/16/2001	11:15	10/16/2001	21:30	10.25	293,307	SWEENEY DRAIN	N	1.46	SSO
11/30/2001	2:30	11/30/2001	15:45	13.25	968,722	SWEENEY DRAIN	N	1.58	SSO
SubTotals for FRASER				49.7	1,915,840			12.58	

MARTIN RTB									
2/9/2001	8:30	2/10/2001	2:00	29.5	81,700,000	LAKE ST. CLAIR	Y	0.7	CSO-T
2/25/2001	3:00	2/25/2001	15:00	12	39,700,000	LAKE ST. CLAIR	Y	1.2	CSO-T
4/6/2001	10:00	4/6/2001	18:30	8.5	25,200,000	LAKE ST. CLAIR	Y	1.04	CSO-T
4/7/2001	6:15	4/7/2001	22:20	16.1	14,000,000	LAKE ST. CLAIR	Y	0.194	CSO-T
9/9/2001	23:35	9/10/2001	4:35	4.75	9,900,000	LAKE ST. CLAIR	Y	1.84	CSO-T
10/5/2001	15:15	10/6/2001	11:00	19.75	48,740,000	LAKE ST. CLAIR	Y	1.68	CSO-T
10/12/2001	7:00	10/13/2001	5:05	22.1	42,900,000	LAKE ST. CLAIR	Y	1.4	CSO-T
10/14/2001	16:45	10/15/2001	1:30	8.7	57,400,000	LAKE ST. CLAIR	Y	1.3	CSO-T
10/16/2001	10:50	10/17/2001	11:40	36.9	93,400,000	LAKE ST. CLAIR	Y	1.1	CSO-T
11/30/2001	1:30	12/1/2001	11:00	33.5	102,800,000	LAKE ST. CLAIR	Y	2.2	CSO-T
SubTotals for MARTIN RTB				191.8	515,740,000			12.654	

MILK RIVER RTB									
2/9/2001	8:30	2/9/2001	22:42	14.2	55,688,170	LAKE ST. CLAIR	Y	0.77	CSO-T
2/10/2001	7:16	2/10/2001	8:03	0.8	8,666,400	LAKE ST. CLAIR	Y	0	CSO-T
2/25/2001	1:37	2/25/2001	9:12	7.75	28,385,720	LAKE ST. CLAIR	Y	1.08	CSO-T
4/7/2001	4:55	4/7/2001	5:50	0.92	10,311,530	LAKE ST. CLAIR	Y	0.35	CSO-T
8/19/2001	12:34	8/19/2001	1:03	0.5	2,687,804	LAKE ST. CLAIR	Y	1.3	CSO-T
9/9/2001	22:22	9/9/2001	23:43	1.35	19,585,398	LAKE ST. CLAIR	Y	1.85	CSO-T
10/5/2001	16:41	10/5/2001	22:42	6	18,683,290	LAKE ST. CLAIR	Y	1.8	CSO-T
10/12/2001	8:03	10/12/2001	13:39	5.6	19,501,031	LAKE ST. CLAIR	Y	1.45	CSO-T
10/14/2001	12:21	10/14/2001	13:38	1.3	8,768,500	LAKE ST. CLAIR	Y	0.7	CSO-T
10/16/2001	8:14	10/16/2001	20:44	12.5	34,063,705	LAKE ST. CLAIR	Y	1.03	CSO-T
10/16/2001	8:15					LAKE ST. CLAIR	Y		CSO-T
11/29/2001	23:37	11/30/2001	0:00	0.35	2,840,500	LAKE ST. CLAIR	Y	1	CSO-T
11/30/2001	0:00	12/1/2001	0:00	15.6	137,860,000	LAKE ST. CLAIR	Y	1.95	CSO-T
12/1/2001	0:00	12/1/2001	3:09	1.25	9,383,500	LAKE ST. CLAIR	Y	0	CSO-T
SubTotals for MILK RIVER RTB				68.12	356,425,548			13.28	

PONTIAC WWTP - AUBURN									
2/9/2001	14:00	2/10/2001	18:00	28	5,600,000	CLINTON RIVER	Y	1.74	SSO-T
SubTotals for PONTIAC WWTP - AUBURN				28	5,600,000			1.74	

Start	Start Time	End	End Time	Hours	Gallons	Receiving Water	Meets NPDES	Precipitation	Type
PONTIAC WWTP - EAST BLVD.									
2/9/2001	1:00	2/11/2001	4:15	51.2	12,930,000	CLINTON RIVER	N	1.74	SSO-T
10/16/2001	15:00	10/17/2001	1:00	10	800,000	CLINTON RIVER	N	2.11	SSO-T
SubTotals for PONTIAC WWTP - EAST				61.2	13,730,000			3.85	
SCS - LAKE BLVD.									
11/30/2001	9:13	11/30/2001	13:33	4.2	700,560	LAKE ST. CLAIR	N	2.2	SSO
SubTotals for SCS - LAKE BLVD.				4.2	700,560			2.2	
SCS - MASONIC									
11/30/2001	9:25	11/30/2001	1:37	4.2	514,080	LAKE ST. CLAIR	N	2.2	SSO
SubTotals for SCS - MASONIC				4.2	514,080			2.2	
SOCSDS RTB									
2/9/2001	8:50	2/10/2001	4:35	19.8	263,000,000	RED RUN DRAIN	Y	1.3	CSO-T
2/24/2001	22:30	2/25/2001	16:25	18	161,000,000	RED RUN DRAIN	Y	1.15	CSO-T
4/6/2001	9:15	4/6/2001	11:50	2.5	13,000,000	RED RUN DRAIN	Y	1.25	CSO-T
9/19/2001	13:55	9/19/2001	20:35	6.67	43,000,000	RED RUN DRAIN	Y	1.5	CSO-T
10/5/2001	15:05	10/6/2001	3:00	11.9	65,000,000	RED RUN DRAIN	Y	1.75	CSO-T
10/12/2001	7:50	10/12/2001	14:00	6.1	49,000,000	RED RUN DRAIN	Y	1.5	CSO-T
10/16/2001	11:10	10/17/2001	2:40	15.5	193,000,000	RED RUN DRAIN	Y	1.85	CSO-T
11/30/2001	2:50	11/30/2001	18:30	15.7	133,000,000	RED RUN DRAIN	Y	2.5	CSO-T
SubTotals for SOCSDS RTB				96.17	920,000,000			12.8	
UTICA - GREELEY SYPHON									
11/5/2001	10:00	11/5/2001	10:50	0.83	5,000	CLINTON RIVER	N	0	SSO
SubTotals for UTICA - GREELEY SYPHON				0.83	5,000			0	
WARREN									
2/10/2001	1:30	2/11/2001	8:15	30.75	25,300,000	RED RUN DRAIN	Y		SSO-T
2/11/2001	15:00	2/12/2001	4:00	13	10,700,000	RED RUN DRAIN	Y		SSO-T
2/12/2001	12:00	2/12/2001	23:00	11	5,700,000	RED RUN DRAIN	Y		SSO-T
SubTotals for WARREN				54.75	41,700,000				
Total all locations				881.92	2,392,005,152				