

**Macomb County Health Department
Environmental Health Services Division
Retention Basin/Combined Sewer/Sanitary Sewer Overflows
For the dates 1/1/2000 thru 12/31/2000**

Start	Start Time	End	End Time	Hours	Gallons	Receiving Water	Meets NPDES	Precipitation	Type
ALMONT WWTP									
9/23/2000	3:00	9/25/2000	2:00	47		N.BRANCH CLINTON RIV	N	3	SSO
SubTotals for ALMONT WWTP				47				3	
CENTERLINE									
4/20/2000	13:05	4/21/2000	5:00	16	2,023,085	LORRAINE DRAIN	N		SSO
5/9/2000	21:45	5/9/2000	23:15	1.5	27,715	LORRAINE DRAIN	N	0.72	SSO
5/18/2000	22:00	5/19/2000	13:00	10	447,118	LORRAINE DRAIN	N	1.69	SSO
6/24/2000	11:30	6/25/2000	9:30	10	890,000	LORRAINE DRAIN	N	2.13	SSO
7/29/2000	12:45	7/30/2000	22:30	24.75	2,633,307	LORRAINE DRAIN	N	4.26	SSO
8/2/2000	9:30	8/3/2000	5:45	20.25	2,934,226	LORRAINE DRAIN	N	1.86	SSO
SubTotals for CENTERLINE				82.5	8,955,451			10.66	
CHAPATON - 002									
8/2/2000	21:43	8/2/2000	23:25	1.7	15,500,000	LAKE ST. CLAIR	Y	1.5	CSO-T
SubTotals for CHAPATON - 002				1.7	15,500,000			1.5	
CHAPATON RTB									
4/20/2000	13:30	4/21/2000	4:00	13.7	129,800,000	LAKE ST. CLAIR	Y	2.27	CSO-T
5/9/2000	23:40	5/10/2000	4:30	4.9	31,000,000	LAKE ST. CLAIR	Y	1.29	CSO-T
5/18/2000	23:00	5/19/2000	4:50	5.9	35,000,000	LAKE ST. CLAIR	Y	1.2	CSO-T
6/25/2000	1:45	6/25/2000	6:40	5	74,000,000	LAKE ST. CLAIR	Y	1.8	CSO-T
7/3/2000	5:10	7/3/2000	11:10	6	33,500,000	LAKE ST. CLAIR	Y	1.5	CSO-T
7/29/2000	12:35	7/30/2000	20:15	23.7	156,000,000	LAKE ST. CLAIR	Y	5	CSO-T
7/31/2000	22:50	8/1/2000	3:10	4.7	15,700,000	LAKE ST. CLAIR	Y	1	CSO-T
8/1/2000	18:45	8/1/2000	22:00	3.2	11,400,000	LAKE ST. CLAIR	Y		CSO-T
8/2/2000	11:45	8/3/2000	6:30	17.6	94,400,000	LAKE ST. CLAIR	Y	1.5	CSO-T
8/23/2000	5:30	8/23/2000	7:00	1.5	5,000,000	LAKE ST. CLAIR	Y	0.96	CSO-T
9/11/2000	20:00	9/12/2000	8:10	12.1	45,400,000	LAKE ST. CLAIR	Y	1.5	CSO-T
SubTotals for CHAPATON RTB				98.3	631,200,000			18.02	

Start	Start Time	End	End Time	Hours	Gallons	Receiving Water	Meets NPDES	Precipitation	Type
CLINTON - BEACONSFIELD									
4/20/2000	14:00	4/21/2000	2:42	12.8	315,615	ROSECLINHAR DRAIN	N	2.4	SSO
5/9/2000	21:20	5/10/2000	0:20	3	112,551	ROSECLINHAR DRAIN	N	1.75	SSO
5/19/2000	7:25	5/19/2000	15:45	8.3	35,200	ROSECLINHAR DRAIN	N	2	SSO
6/25/2000	4:00	6/25/2000	4:30	1	8,151	ROSECLINHAR DRAIN	N	1.6	SSO
7/9/2000	19:30	7/9/2000	20:00	0.5	14,000	ROSECLINHAR DRAIN	N	1.55	SSO
7/30/2000	4:40	7/30/2000	14:45	10.1	11,640	ROSECLINHAR DRAIN	N	4.75	SSO
8/2/2000	15:40	8/2/2000	16:40	1	1,505	ROSECLINHAR DRAIN	N	1.25	SSO
9/11/2000	19:10	9/11/2000	21:20	2.2		ROSECLINHAR DRAIN	N	1	SSO
9/12/2000	0:45	9/12/2000	1:15	0.5	52,800	ROSECLINHAR DRAIN	N		SSO
SubTotals for CLINTON - BEACONSFIELD				39.4	551,462			16.3	
CLINTON - GOLDEN									
7/10/2000	16:25	7/10/2000	17:25	1	2,205	LAKE ST. CLAIR	N	1	SSO
9/11/2000	19:00	9/11/2000	21:10	2.2	6,560	LAKE ST. CLAIR	N	1	SSO
SubTotals for CLINTON - GOLDEN				3.2	8,765			2	
CLINTON - KING DRAIN									
4/20/2000	9:50	4/21/2000	0:25	14.5	830,934	ROSECLINHAR DRAIN	N	2.4	SSO
5/18/2000	18:00	5/18/2000	19:00	1	2,700	ROSECLINHAR DRAIN	N	0.5	SSO
5/19/2000	8:45	5/19/2000	9:45	1	2,300	ROSECLINHAR DRAIN	N	2	SSO
7/10/2000	16:40	7/10/2000	19:40	3	1,985	ROSECLINHAR DRAIN	N	1	SSO
7/28/2000	21:30	7/28/2000	22:15	0.7	140	ROSECLINHAR DRAIN	N	4.75	SSO
7/30/2000	4:50	7/30/2000	12:00	7.1	19,700	ROSECLINHAR DRAIN	N	4.75	SSO
8/2/2000	21:50	8/2/2000	22:50	1	1,775	ROSECLINHAR DRAIN	N	0.75	SSO
9/11/2000	20:10	9/11/2000	22:15	2.1	50	ROSECLINHAR DRAIN	N	1	SSO
SubTotals for CLINTON - KING DRAIN				30.4	859,584			17.15	
CLINTON - MULBERRY									
5/19/2000	9:00	5/19/2000	12:35	3.5	62,000	CLINTON RIVER	N	2	SSO
7/10/2000	16:30	7/10/2000	20:40	4	12,115	CLINTON RIVER	N	1	SSO
7/30/2000	9:15	7/30/2000	16:20	7.1	62,820	CLINTON RIVER	N	4.75	SSO
8/2/2000	12:45	8/2/2000	13:00	0.25	4,720	CLINTON RIVER	N	1.25	SSO
9/11/2000	20:10	9/11/2000	22:15	2.1	4,390	CLINTON RIVER	N	1	SSO
SubTotals for CLINTON - MULBERRY				16.95	146,045			10	
CLINTON - N.NUNNELEY									
4/20/2000	14:08	4/21/2000	0:22	10.4	1,132,091	ROSECLINHAR DRAIN	N	2.4	SSO
5/19/2000	11:20	5/19/2000	13:20	2	22,000	ROSECLINHAR DRAIN	N	2	SSO
7/10/2000	17:10	7/10/2000	20:10	3	30,980	ROSECLINHAR DRAIN	N	1	SSO
7/30/2000	5:45	7/30/2000	15:50	10.1	8,595	ROSECLINHAR DRAIN	N	4.75	SSO
8/2/2000	12:35	8/3/2000	1:40	3	7,210	ROSECLINHAR DRAIN	N	0.75	SSO
8/2/2000	16:05	8/2/2000	17:05	1	6,520	ROSECLINHAR DRAIN	N	1.25	SSO
9/11/2000	20:50	9/11/2000	23:35	2.75	19,040	ROSECLINHAR DRAIN	N	1	SSO
SubTotals for CLINTON - N.NUNNELEY				32.25	1,226,436			13.15	

Start	Start Time	End	End Time	Hours	Gallons	Receiving Water	Meets NPDES	Precipitation	Type
CLINTON - RUTHERFORD									
5/19/2000	7:15	5/19/2000	11:00	3.8	12,000	ROSECLINHAR DRAIN	N	2	SSO
6/25/2000	4:00	6/25/2000	4:20	1	2,378	ROSECLINHAR DRAIN	N	1.6	SSO
7/9/2000	18:45	7/9/2000	20:00	2.25	5,150	ROSECLINHAR DRAIN	N	1.55	SSO
7/10/2000	16:20	7/10/2000	18:20	2	14,800	ROSECLINHAR DRAIN	N	1	SSO
7/30/2000	4:20	7/30/2000	14:00	9.7	29,650	ROSECLINHAR DRAIN	N	4.75	SSO
8/2/2000	21:20	8/3/2000	12:25	3	15,885	ROSECLINHAR DRAIN	N	0.75	SSO
9/11/2000	19:00	9/11/2000	21:55	2.9	12,245	ROSECLINHAR DRAIN	N	1	SSO
SubTotals for CLINTON - RUTHERFORD				24.65	92,108			12.65	

FRASER									
4/20/2000	9:30	4/21/2000	14:30	29	1,028,143	SWEENEY DRAIN	N	2.48	SSO
5/18/2000	23:22	5/19/2000	12:30	18	82,093	SWEENEY DRAIN	N	2.35	SSO
7/9/2000	18:30	7/9/2000	22:15	3.5	149,143	SWEENEY DRAIN	N	1.66	SSO
7/28/2000	20:30	7/30/2000	23:45	31.2	2,193,298	SWEENEY DRAIN	N	4.24	SSO
8/2/2000	21:25	8/3/2000	22:25	1	5,860	SWEENEY DRAIN	N	0.75	SSO
8/2/2000	14:30	8/3/2000	8:00	17.5	678,885	SWEENEY DRAIN	N	1.06	SSO
9/10/2000	17:00	9/10/2000	18:00	1	36,490	SWEENEY DRAIN	N	1.21	SSO
9/11/2000	18:45	9/12/2000	2:00	7.25	875,637	SWEENEY DRAIN	N	1.89	SSO
SubTotals for FRASER				108.45	5,049,549			15.64	

HAZEL PARK									
6/24/2000	8:30	6/26/2000	18:45	2.25	206,171	KUTCHEY DRAIN	N	2.24	SSO
7/29/2000	11:30	7/30/2000	2:15	31.15	3,598	KUTCHEY DRAIN	N		SSO
8/2/2000	10:30	8/2/2000	12:00	1.5	80,805	KUTCHEY DRAIN	N		SSO
SubTotals for HAZEL PARK				34.9	290,574			2.24	

MARTIN RTB									
4/20/2000	13:05	4/21/2000	16:00	27	51,000,000	LAKE ST. CLAIR	Y	2.27	CSO-T
4/21/2000	19:00	4/22/2000	2:15	7.6	14,530,000	LAKE ST. CLAIR	Y		CSO-T
5/10/2000	2:30	5/11/2000	9:45	18.6	30,000,000	LAKE ST. CLAIR	Y	1.17	CSO-T
5/19/2000	1:15	5/20/2000	4:15	27	51,500,000	LAKE ST. CLAIR	Y	1.3	CSO-T
6/25/2000	2:40	6/25/2000	13:10	10.5	29,000,000	LAKE ST. CLAIR	Y	1.8	CSO-T
7/29/2000	15:50	8/1/2000	5:10	50.3	180,700,000	LAKE ST. CLAIR	Y	3.56	CSO-T
8/2/2000	12:05	8/3/2000	23:35	34.75	31,400,000	LAKE ST. CLAIR	Y		CSO-T
8/6/2000	6:50	8/7/2000	22:25	37.6	22,000,000	LAKE ST. CLAIR	Y	0.2	CSO-T
9/11/2000	20:20	9/12/2000	9:00	12.7	40,700,000	LAKE ST. CLAIR	Y	1.58	CSO-T
12/17/2000	6:15	12/17/2000	18:15	12	14,600,000	LAKE ST. CLAIR	Y	0.9	
SubTotals for MARTIN RTB				238.05	465,430,000			12.78	

Start	Start Time	End	End Time	Hours	Gallons	Receiving Water	Meets NPDES	Precipitation	Type
MILK RIVER RTB									
4/20/2000	12:27	4/20/2000	11:17	9	96,376,320	LAKE ST. CLAIR	Y	2.6	CSO-T
4/21/2000	5:11	4/21/2000	11:13	0.8	10,210,500	LAKE ST. CLAIR	Y	0.1	CSO-T
5/10/2000	2:49	5/10/2000	3:29	0.4	4,738,950	LAKE ST. CLAIR	Y	1.1	CSO-T
5/19/2000	8:30	5/19/2000	12:20	2.9	21,670,255	LAKE ST. CLAIR	Y	1.5	CSO-T
6/25/2000	12:52	6/25/2000	2:00	3.58	38,606,390	LAKE ST. CLAIR	Y	2	CSO-T
7/3/2000	1:15	7/3/2000	7:48	2.1	35,353,270	LAKE ST. CLAIR	Y	1.6	CSO-T
7/29/2000	13:36	7/29/2000	14:04	0.5	5,615,720	LAKE ST. CLAIR	Y	0.9	CSO-T
7/30/2000	0:40	7/30/2000	14:02	6.5	95,001,500	LAKE ST. CLAIR	Y	1.75	CSO-T
7/31/2000	22:04	7/31/2000	23:48	1.6	40,514,000	LAKE ST. CLAIR	Y	1.4	CSO-T
8/1/2000	7:18	8/1/2000	8:27	1.1	8,521,500	LAKE ST. CLAIR	Y	0.5	CSO-T
8/2/2000	11:10	8/2/2000	23:37	12.5	63,581,000	LAKE ST. CLAIR	Y	1.35	CSO-T
8/3/2000	5:01	8/3/2000	6:03	1	7,657,000	LAKE ST. CLAIR	Y	1.35	CSO-T
8/6/2000	1:54	8/6/2000	7:05	5.2	25,688,000	LAKE ST. CLAIR	Y	0.65	CSO-T
8/23/2000	3:57	8/23/2000	4:37	0.7	6,767,670	LAKE ST. CLAIR	Y	1	CSO-T
9/11/2000	19:24	9/11/2000	23:31	4.1	52,055,682	LAKE ST. CLAIR	Y	1.8	CSO-T
9/11/2000	19:30	9/12/2000	12:20	4.9	30,500,000	LAKE ST. CLAIR	Y	1.5	CSO-T
9/12/2000	8:25	9/12/2000	9:14	0.8	6,051,500	LAKE ST. CLAIR	Y	0.23	CSO-T
SubTotals for MILK RIVER RTB				57.68	548,909,257			21.33	

MT. CLEMENS RTB									
4/21/2000	7:10	4/21/2000	15:00	8	18,612,000	CLINTON RIVER	Y		CSO-T
8/2/2000	21:07	8/4/2000	5:30	32	10,355,100	CLINTON RIVER	Y		CSO-T
SubTotals for MT. CLEMENS RTB				40	28,967,100				

PONTIAC WWTP									
6/25/2000	3:30	6/25/2000	9:30	6	4,400,000	CLINTON RIVER	N	3	SSO
9/10/2000	16:45	9/11/2000	1:00	8.25	6,200,000	CLINTON RIVER	N		SSO
9/11/2000	22:00	9/12/2000	2:00	4		CLINTON RIVER	N		SSO
9/12/2000	9:00					CLINTON RIVER			
SubTotals for PONTIAC WWTP				18.25	10,600,000			3	

SCS - LAKE BLVD.									
7/30/2000	5:00	7/30/2000	12:45	7.7	650,520	LAKE ST. CLAIR	N		SSO
8/2/2000	22:33	8/3/2000	1:58	3.5	450,360	LAKE ST. CLAIR	N		SSO
SubTotals for SCS - LAKE BLVD.				11.2	1,100,880				

SCS - MASONIC									
7/30/2000	5:00	7/30/2000	12:45	7.7	948,960	LAKE ST. CLAIR	N		SSO
8/2/2000	22:41	8/2/2000	1:25	3.5	465,120	LAKE ST. CLAIR	N		SSO
SubTotals for SCS - MASONIC				11.2	1,414,080				

Start	Start Time	End	End Time	Hours	Gallons	Receiving Water	Meets NPDES	Precipitation	Type
SOCSDS RTB									
4/20/2000	10:34	4/21/2000	3:15	16.7	220,000,000	RED RUN DRAIN	Y	2.9	CSO-T
5/9/2000	23:00	5/10/2000	4:52	5.5	29,000,000	RED RUN DRAIN	Y	1.05	CSO-T
5/18/2000	22:31	5/19/2000	15:33	14.4	103,000,000	RED RUN DRAIN	Y	1.65	CSO-T
6/25/2000	1:40	6/25/2000	7:19	5.39	227,000,000	RED RUN DRAIN	Y	1.75	CSO-T
7/3/2000	3:15	7/3/2000	9:15	5.51	30,000,000	RED RUN DRAIN	Y	0.5	CSO-T
7/28/2000	21:20	7/30/2000	20:20	17.9	170,000,000	RED RUN DRAIN	Y	2.98	CSO-T
8/2/2000	12:23	8/2/2000	16:37	4.14	26,000,000	RED RUN DRAIN	Y	0.8	CSO-T
8/6/2000	3:54	8/6/2000	7:01	1.6	19,000,000	RED RUN DRAIN	Y	0.8	CSO-T
8/23/2000	1:40	8/23/2000	6:05	4.5	63,000,000	RED RUN DRAIN	Y	1.2	CSO-T
9/11/2000	19:00	9/11/2000	21:10	2.2	196,000,000	RED RUN DRAIN	Y	1	CSO-T
SubTotals for SOCSDS RTB				77.84	1,083,000,000			14.63	
WARREN									
4/21/2000		4/23/2000			16,300,000	RED RUN DRAIN	Y		SSO-T
5/19/2000		5/20/2000			26,100,000	RED RUN DRAIN	Y		SSO-T
7/30/2000	16:00	8/1/2000	8:20	42	56,800,000	RED RUN DRAIN	Y	2.04	SSO-T
7/30/2000	15:55					RED RUN DRAIN	Y		SSO-T
8/2/2000	13:30	8/4/2000	19:00	38	77,800,000	RED RUN DRAIN	Y	1.17	SSO-T
8/6/2000	13:30	8/6/2000	16:30	3	2,800,000	RED RUN DRAIN	Y	0.83	SSO-T
SubTotals for WARREN				83	179,800,000			4.04	
Total all locations				1056.92	2,983,101,291				