

**Macomb County Health Department
Environmental Health Services Division
Retention Basin/Combined Sewer/Sanitary Sewer Overflows
For the dates : 01/01/2013 through 12/31/2013**

Start	Start Time	End	End Time	Hours	Receiving Water	Volume (Gallons)	Meets NPDES	Precip Type
CHAPATON RTB								
01/13/2013	06:30 AM	01/14/2013	02:15 AM	7.75	Lake St. Clair	6,100,000	Y	1.05 Basin
01/29/2013	07:00 PM	01/30/2013	01:00 AM	6.00	Lake St. Clair	4,800,000	Y	2.06 Basin
04/18/2013	05:10 AM	04/19/2013	01:00 PM	7.80	Lake St. Clair	34,800,000	Y	1.79 Basin
06/13/2013	04:15 AM	06/13/2013	11:05 AM	6.90	Lake St. Clair	12,900,000	Y	1.54 Basin
06/29/2013	00:25 AM	06/29/2013	02:55 AM	2.50	Lake St. Clair	1,300,000	Y	1.38 Basin
12/22/2013	08:00 AM	12/22/2013	01:43 PM	5.70	Lake St. Clair	2,200,000	Y	1.49 Basin
Sub Totals for Chapaton Rtb				36.65		62,100,000		
CLINTON - BEACONSFIELD								
04/18/2013	08:00 PM	04/18/2013	10:00 PM	1.00	Clinton River	67,000	N	1.61 SSO
07/10/2013	02:32 AM	07/10/2013	04:19 AM	1.00	Clinton River	120,000	N	2.44 SSO
Sub Totals for Clinton - Beaconsfield				2.00		187,000		
CLINTON - GOLDEN								
04/18/2013	07:13 PM	04/19/2013	00:10 AM	4.10	Clinton River	228,000	N	1.61 SSO
06/27/2013	06:48 PM	06/27/2013	07:48 PM	1.00	Clinton River	103,000	N	1.63 SSO
07/10/2013	02:00 AM	07/10/2013	06:03 AM	4.00	Clinton River	530,000	N	2.44 SSO
08/12/2013	09:35 PM	08/12/2013	10:05 PM	0.50	Clinton River	60,000	N	0.94 SSO
Sub Totals for Clinton - Golden				9.60		921,000		
CLINTON - KING DRAIN								
07/10/2013	02:37 AM	07/10/2013	04:34 AM	1.00	Roseclinhar Drain	30,000	N	2.44 SSO
Sub Totals for Clinton - King Drain				1.00		30,000		
CLINTON - LITTLE MACK								
07/10/2013	02:12 AM	07/10/2013	04:31 AM	2.10	Clinton River	120,000	N	2.44 SSO
Sub Totals for Clinton - Little Mack				2.10		120,000		
CLINTON - MULBERRY								
07/10/2013	04:34 AM	07/10/2013	06:02 AM	0.30	Clinton River	30,000	N	2.44 SSO
Sub Totals for Clinton - Mulberry				0.30		30,000		
CLINTON - N.NUNNELEY								
07/10/2013	02:54 AM	07/10/2013	08:11 AM	4.50	Roseclinhar Drain	110,000	N	2.44 SSO
Sub Totals for Clinton - N.Nunneley				4.50		110,000		

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CLINTON - RUTHERFORD								
04/18/2013	08:18 PM	04/18/2013	08:48 PM	0.50	Clinton River	6,000	N	1.61 SSO
07/10/2013	04:02 AM	07/10/2013	04:33 AM	0.50	Clinton River	20,000	N	2.44 SSO
Sub Totals for Clinton - Rutherford				1.00		26,000		
MARTIN RTB								
01/13/2013	08:10 AM	01/13/2013	12:10 PM	4.00	Lake St. Clair	9,300,000	Y	0.97 Basin
01/29/2013	07:50 PM	01/30/2013	02:48 PM	19.00	Lake St. Clair	31,700,000	Y	2.06 Basin
04/18/2013	04:20 AM	04/19/2013	08:20 PM	16.00	Lake St. Clair	104,500,000	Y	1.78 Basin
06/13/2013	04:30 AM	06/13/2013	02:20 PM	9.90	Lake St. Clair	25,700,000	Y	1.39 Basin
06/28/2013	11:25 PM	06/29/2013	02:55 AM	3.50	Lake St. Clair	7,000,000	Y	0.96 Basin
12/22/2013	03:15 AM	12/22/2013	04:16 PM	13.00	Lake St. Clair	25,700,000	Y	1.53 Basin
Sub Totals for Martin Rtb				65.40		203,900,000		
MILK RIVER RTB								
01/11/2013	09:10 AM	01/11/2013	03:43 PM	6.50	Lake St. Clair	22,635,530	Y	0.82 Basin
01/12/2013	01:35 AM	01/12/2013	02:33 AM	1.00	Lake St. Clair	7,163,000	Y	0 Basin
01/13/2013	01:44 AM	01/13/2013	08:59 PM	19.25	Lake St. Clair	50,165,000	Y	1.07 Basin
01/14/2013	05:50 AM	01/14/2013	06:34 AM	0.70	Lake St. Clair	8,140,000	Y	0 Basin
01/15/2013	02:07 AM	01/15/2013	03:03 AM	1.00	Lake St. Clair	6,916,000	Y	0 Basin
01/29/2013	06:58 AM	01/29/2013	10:53 PM	15.90	Lake St. Clair	47,242,615	Y	0.98 Basin
01/30/2013	04:58 AM	01/31/2013	00:19 AM	19.35	Lake St. Clair	33,785,000	Y	0.31 Basin
01/31/2013	02:16 PM	01/31/2013	03:03 PM	0.80	Lake St. Clair	8,648,000	Y	0 Basin
02/01/2013	06:00 AM	02/01/2013	06:59 AM	1.00	Lake St. Clair	7,286,500	Y	0 Basin
02/27/2013	02:05 AM	02/27/2013	08:28 PM	18.23	Lake St. Clair	6,735,956	Y	0.74 Basin
02/28/2013	02:38 PM	02/28/2013	03:30 PM	0.52	Lake St. Clair	9,568,000	Y	0.07 Basin
04/10/2013	05:01 PM	04/10/2013	05:15 PM	0.25	Lake St. Clair	11,460,505	N	0.54 Basin
04/11/2013	05:35 AM	04/11/2013	09:57 PM	16.40	Lake St. Clair	62,744,000	Y	1.29 Basin
04/11/2013	11:45 PM	04/12/2013	07:37 PM	19.80	Lake St. Clair	64,172,000	Y	2.67 Basin
04/13/2013	07:08 PM	04/13/2013	08:05 PM	0.95	Lake St. Clair	10,488,000	Y	Basin
04/17/2013	11:30 AM	04/17/2013	11:48 AM	0.30	Lake St. Clair	11,224,000	N	0.48 Basin
04/18/2013	00:03 AM	04/18/2013	10:22 PM	22.30	Lake St. Clair	57,644,000	Y	1.22 Basin
04/19/2013	01:20 AM	04/19/2013	06:05 PM	16.75	Lake St. Clair	24,396,000	Y	1.36 Basin
05/28/2013	06:26 PM	05/28/2013	07:16 PM	0.80	Lake St. Clair	11,471,980	Y	1.31 Basin
06/13/2013	03:55 AM	06/13/2013	07:32 AM	3.60	Lake St. Clair	13,364,917	Y	0.49 Basin
06/28/2013	05:37 PM	06/28/2013	09:48 PM	4.20	Lake St. Clair	16,923,067	Y	0.35 Basin
06/29/2013	01:03 AM				Lake St. Clair		N	
07/10/2013	02:54 AM	07/10/2013	03:54 AM	1.00	Lake St. Clair	1,709,024	Y	0.48 Basin
07/20/2013	03:58 AM	07/20/2013	04:52 AM	0.90	Lake St. Clair	4,378,372	Y	0.33 Basin
1/15/2014	9:49:21 AM							

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10/31/2013	10:04 PM				Lake St. Clair		N	
11/18/2013	09:55 PM	11/19/2013	10:37 AM	12.70	Lake St. Clair	7,728,000	Y	1.06 Basin
12/21/2013	08:29 PM	12/22/2013	05:20 PM	21.00	Lake St. Clair	38,440,692	Y	1 Basin
Sub Totals for Milk River Rtb				205.20		544,430,158		
MT. CLEMENS RTB								
04/18/2013	07:32 PM	04/20/2013	08:00 AM	36.50	Clinton River	20,375,000	Y	5.67 Basin
07/10/2013	04:30 AM	07/11/2013	12:30 PM	32.00	Clinton River	18,691,000	Y	2.30 Basin
Sub Totals for Mt. Clemens Rtb				68.50		39,066,000		
SOCSDS RTB								
01/29/2013	05:45 PM	01/30/2013	10:25 AM	9.20	Red Run Drain	66,930,000	Y	1.76 Basin
04/11/2013	06:50 AM	04/12/2013	02:35 PM	25.90	Red Run Drain	213,330,000	Y	2.70 Basin
04/18/2013	02:20 AM	04/19/2013	06:45 PM	31.30	Red Run Drain	262,740,000	Y	2.12 Basin
06/13/2013	03:00 AM	06/13/2013	01:05 PM	10.10	Red Run Drain	147,300,000	Y	1.58 Basin
06/27/2013	07:12 PM	06/29/2013	03:00 AM	10.50	Red Run Drain	158,900,000	Y	1.70 Basin
08/30/2013	11:27 PM	08/31/2013	04:55 AM	5.50	Red Run Drain	425,340,000	Y	2.30 Basin
10/31/2013	10:45 PM	11/01/2013	03:30 AM	4.75	Red Run Drain	33,500,000	Y	1.81 Basin
12/22/2013	07:17 AM	12/22/2013	11:31 AM	4.00	Red Run Drain	11,420,000	Y	1.50 Basin
Sub Totals for Socds Rtb				101.25		1,319,460,000		
WARREN								
04/12/2013	08:37 AM	04/13/2013	06:24 AM	21.47	Red Run Drain	23,570,000	N	2.81 Basin
04/19/2013	01:02 AM	04/20/2013	07:00 PM	41.58	Red Run Drain	51,500,000	N	1.99 Basin
Sub Totals for Warren				63.05		75,070,000		
Total all locations				560.55		2,245,450,158		