

**City of Dearborn - CSO Discharge Outfalls**  
**Reporting Period: January 1, 2019 through December 31, 2019**  
**Model for CSO Discharge Overflow Events, Dearborn Michigan**  
**CSO Outfalls 001 through 004, 013, 014 and 016**  
**Receiving Waters-Rouge River**

Overflow Event No.	Overflow Event Start Date/Time <sup>1</sup>	Overflow Event End Date/Time	Total Precipitation Depth (inches)		CSO Volume by Outfall Location (MG)								
			Outer Drive	Prospect	001	002	003	004	013	014	016	Total	
1	1/22/19 9:58pm	1/23/19 4:45pm	1.14	1.18	0.84	0.02	3.37	2.09	7.23	4.34	0.00	17.90	
2	2/6/2019 3:12am	2/6/2019 12:02pm	0.48	0.51	0.20	0.00	1.08	0.20	2.09	0.13	0.00	3.70	
3	February 12, 2019 7:27am	February 12, 2019 6:04pm	0.43	0.58	0.16	0.00	0.91	0.07	1.76	0.04	0.00	2.95	
4	February 24, 2019 2:02am	February 24, 2019 3:45pm	0.26	0.26	0.06	0.00	0.36	0.00	0.66	0.00	0.00	1.07	
5	March 09-2019 8:41pm	March 10-2019 1:34am	0.53	0.70	0.23	< 0.01	1.25	0.32	2.44	0.26	0.00	4.50	
6	March 14-2019 2:19pm	March 14-2019 10:36:00 PM	0.33	0.26	0.10	0.00	0.58	0.00	1.10	0.00	0.00	1.78	
7	March 30-2019 3:14am	March 31-2019 2:35am	1.71	1.39	1.66	0.10	5.49	4.11	12.69	12.43	0.00	36.49	
8	April 12, 2019 9:55am	April 12, 2019 11:15am	0.16	0.10	< 0.01	0.00	0.03	0.00	0.06	0.00	0.00	0.09	
9	April 14, 2019 6:40am	April 15, 2019 12:06am	0.57	0.64	0.27	< 0.01	1.38	0.43	2.72	0.38	0.00	5.18	
10	April 18, 2019 11:26pm	April 19, 2019 9:47am	0.75	0.62	0.42	< 0.01	2.00	0.91	4.04	1.18	0.00	8.56	
11	April 20, 2019 11:18am	April 20, 2019 6:07pm	0.94	0.82	0.61	< 0.01	2.66	1.46	5.54	2.48	0.00	12.76	
12	April 25, 2019 9:08pm	April 26, 2019 8:02am	1.07	1.11	0.76	0.02	3.12	1.87	6.63	3.63	0.00	16.02	
13	April 27, 2019 11:26pm	April 28, 2019 4:57am	0.40	0.33	0.14	0.00	0.81	0.00	1.56	0.00	0.00	2.51	
	April 29, 2019 4:10pm	April 29, 2019 7:14pm	0.32	0.33	0.09	0.00	0.55	0.00	1.04	0.00	0.00	1.68	
14	April 30, 2019 8:49pm	May 01, 2019 4:52am	2.27	2.76	2.71	0.22	7.70	6.46	18.97	24.41	3.44	60.47	
15	May 02, 2019 7:58pm	May 03, 2019 7:01am	0.27	0.24	0.06	0.00	0.39	0.00	0.73	0.00	0.00	1.18	
16	May 07, 2019 6:59am	May 07, 2019 3:16pm	0.37	0.32	0.12	0.00	0.72	0.00	1.36	0.00	0.00	2.20	
17	May 12, 2019 9:35pm	May 13, 2019 3:22am	0.28	0.28	0.07	0.00	0.42	0.00	0.79	0.00	0.00	1.28	
18	May 18, 2019 7:10am	May 18, 2019 9:31am	0.56	0.39	0.26	< 0.01	1.35	0.40	2.65	0.35	0.00	5.00	
19	May 19, 2019 3:52pm	May 19, 2019 6:54pm	0.33	0.36	0.10	0.00	0.58	0.00	1.10	0.00	0.00	1.78	
20	May 22, 2019 10:52am	May 22, 2019 1:35pm	0.20	0.19	0.02	0.00	0.16	0.00	0.30	0.00	0.00	0.48	
22	May 29, 2019 2:59am	May 29, 2019 10:46am	0.27	0.24	0.06	0.00	0.39	0.00	0.73	0.00	0.00	1.18	
23	May 30, 2019 2:05pm	May 30, 2019 4:26pm	0.16	0.10	< 0.01	0.00	0.03	0.00	0.06	0.00	0.00	0.09	
24	June 1, 2019 2:52pm	June 2, 2019 7:50am	0.56	0.56	0.26	< 0.01	1.35	0.40	2.65	0.35	0.00	5.00	
25	June 5, 2019 8:04am	June 5, 2019 9:32pm	0.31	0.24	0.09	0.00	0.52	0.00	0.98	0.00	0.00	1.58	
26	June 10, 2019 6:08am	June 10, 2019 12:01pm	0.46	0.26	0.18	0.00	1.01	0.15	1.96	0.09	0.00	3.39	
27	June 13, 2019 1:25am	June 13, 2019 6:13am	0.25	0.14	0.05	0.00	0.32	0.00	0.60	0.00	0.00	0.98	
28	June 16, 2019 8:58am	June 16, 2019 12:46pm	0.56	0.52	0.26	< 0.01	1.35	0.40	2.65	0.35	0.00	5.00	

29	June 20, 2019 9:27am	June 20, 2019 7:06pm	0.53	0.53	0.23	< 0.01	1.25	0.32	2.44	0.26	0.00	4.50	
30	July 6, 2019 2:47am	July 6, 2019 8:44pm	1.70	1.86	1.65	0.09	5.45	4.08	12.59	12.25	0.00	36.11	
31	July 15, 2019 7:48pm	July 15, 2019 11:39pm	0.92	1.57	0.59	< 0.01	2.59	1.40	5.38	2.32	0.00	12.28	
32	July 16, 2019 7:43pm	July 16, 2019 11:38pm	1.36	0.94	1.13	0.04	4.18	2.83	9.23	6.97	0.00	24.38	
33	July 19, 2019 4:26pm	July 19, 2019 6:24pm	0.54	0.04	0.24	< 0.01	1.28	0.35	2.51	0.29	0.00	4.67	
34	July 20, 2019 7:10pm	July 20, 2019 8:23pm	0.20	0.05	0.02	0.00	0.16	0.00	0.30	0.00	0.00	0.48	
35	August 15, 2019 7:58pm	August 15, 2019 9:18pm	0.36	0.41	0.12	0.00	0.68	0.00	1.30	0.00	0.00	2.09	
36	August 18, 2019 8:32pm	August 19, 2019 12:31am	0.63	0.68	0.31	< 0.01	1.59	0.58	3.15	0.60	0.00	6.24	
37	August 26, 2019 7:22pm	August 27, 2019 10:08am	1.00	0.86	0.68	0.01	2.87	1.65	6.04	2.98	0.00	14.23	
38	September 04, 2019 1:03am	September 04, 2019 7:00am	0.55	0.58	0.25	< 0.01	1.32	0.37	2.58	0.32	0.00	4.84	
39	September 11, 2019 5:51pm	September 12, 2019 10:06am	2.15	1.63	2.47	0.19	7.22	5.93	17.55	21.51	0.00	54.85	
40	September 13, 2019 3:51pm	September 13, 2019 6:56pm	0.62	1.06	0.31	< 0.01	1.55	0.56	3.08	0.56	0.00	6.06	
41	September 21, 2019 2:33pm	September 21, 2019 3:46pm	0.16	0.18	< 0.01	0.00	0.03	0.00	0.06	0.00	0.00	0.09	
42	September 27, 2019 5:35pm	September 28, 2019 7:26am	0.65	0.71	0.33	< 0.01	1.65	0.64	3.30	0.69	0.00	6.61	
43	September 29, 2019 6:44pm	September 29, 2019 8:00pm	0.17	0.10	< 0.01	0.00	0.06	0.00	0.12	0.00	0.00	0.18	
44	October 02, 2019 3:47pm	October 03, 2019 10:37am	1.08	0.97	0.77	0.02	3.16	1.90	6.71	3.73	0.00	16.28	
45	October 11, 2019 1:37pm	October 12, 2019 4:19am	0.53	0.35	0.23	< 0.01	1.25	0.32	2.44	0.26	0.00	4.50	
46	October 16, 2019 4:08am	October 16, 2019 5:23am	0.19	0.14	0.02	0.00	0.13	0.00	0.24	0.00	0.00	0.39	
47	October 21, 2019 7:55pm	October 21, 2019 10:22pm	0.20	0.16	0.02	0.00	0.16	0.00	0.30	0.00	0.00	0.48	
48	October 26, 2019 5:03pm	October 27, 2019 8:05am	1.38	1.44	1.16	0.05	4.25	2.90	9.42	7.24	0.00	25.01	
49	October 30, 2019 3:11pm	November 01, 2019 12:37am	1.50	1.25	1.33	0.06	4.70	3.33	10.57	8.97	0.00	28.95	
50	November 27, 2019 1:40am	November 27, 2019 8:50am	0.67	0.56	0.35	< 0.01	1.72	0.69	3.44	0.78	0.00	6.98	
51	December 01, 2019 6:21am	December 01, 2019 10:14pm	0.32	0.54	0.09	0.00	0.55	0.00	1.04	0.00	0.00	1.68	
52	December 09, 2019 10:49am	December 09, 2019 3:00pm	0.21	0.20	0.03	0.00	0.19	0.00	0.36	0.00	0.00	0.58	
53	December 29, 2019 7:40am	December 29, 2019 12:18pm	0.70	0.82	0.37	< 0.01	1.83	0.77	3.67	0.92	0.00	7.56	
54	December 29, 2019 11:31pm	December 30, 2019 10:12am	0.75	0.65	0.42	< 0.01	2.00	0.91	4.04	1.18	0.00	8.56	
55					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
56					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
57					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

**Note 1:** The overflow event start time is the time that excess precipitation begins. Excess precipitation is the precipitation that occurs after the threshold rainfall dept



th is reco



rded. All start and stop time are based on Outer Drive rain gauge, unless otherwise stated in report.