

**Annual Overflow Summary
CSO - 003**

Overflow Event	Event Start Date (mm/dd/YYYY)	Event Start Time (hh:mm)	Event End Date (mm/dd/YYYY)	Event End Time (hh:mm)	Discharge Volume (mgal)	Peak Flow Rate - 15 min. (mgd)	Total Rainfall (in)	Peak Rainfall Intensity (in/hr)
January	1/1/2019	0:00	1/1/2019	5:00	0.13	1.77	0.53	0.15
January	1/24/2019	0:00	1/24/2019	7:30	1.24	5.68	0.97	0.21
February	2/24/2019	12:00	2/24/2019	13:15	0.003	0.06	0.51	0.12
March	3/22/2019	6:45	3/24/2019	16:00	0.035	1.59	0.00	0.00

Lynn, MA
Summer Street Overflow - Site CSO-003
2019 Overflow Summary (04/01/19 - 12/31/19)

Overflow Event	Start Date	Start Time	End Date	End Time	Discharge Volume (mg)	Peak Flow Rate 15-minute (mgd)	Total Rainfall (inches)	Peak Rainfall Intensity (inches/hour)
1	4/15/2019	6:30	4/15/2019	9:25	0.233	3.976	0.71	0.46
2	4/22/2019	15:00			1.339	5.592	2.12	0.41
			4/24/2019	14:45	1.306	5.356	0.32	0.14
3	4/26/2019	20:55			0.068	0.906	0.14	0.10
			4/27/2019	21:05	0.228	3.979	0.58	0.35
4	05/13/19	23:20			1.413	5.740	0.83	0.43
			05/14/19	2:00	0.045	2.166	0.32	0.23
5	06/13/19	14:40	06/13/19	15:40	0.095	2.198	0.07	0.18
6	06/20/19	11:55	06/20/19	13:40	0.010	0.313	0.32	0.22
7	06/29/19	17:20	06/29/19	18:25	0.154	3.873	0.60	0.48
8	07/06/19	18:10	07/06/19	18:35	0.039	1.381	0.47	0.31
9	07/12/19	4:10	07/12/19	5:30	0.027	2.463	0.60	0.03
10	07/12/19	21:45	07/12/19	23:05	0.057	2.205		
11	07/22/19	21:55	07/23/19	0:50	0.103	2.842	1.53	0.06
12	07/23/19	7:40	07/23/19	8:50	0.140	2.195	0.82	0.03
13	07/31/19	16:15	07/31/19	19:25	0.045	1.359	0.88	0.04
14	08/07/19	23:15			0.141	4.049	0.77	0.03
			08/08/19	4:35	0.035	3.924	1.21	0.03
15	08/29/19	1:15	08/29/19	3:00	0.085	4.236	1.29	0.07
16	09/02/19	18:30	09/02/19	22:00	0.154	3.817	0.73	0.03
17	10/17/19	0:45	10/17/19	5:35	0.213	4.197	1.44	0.06
18	10/27/19	15:30	10/27/19	20:00	0.424	4.391	1.33	0.06
19	11/24/19	12:05	11/24/19	16:55	0.229	4.169	1.60	0.07
20	12/14/19	4:45			0.380	4.436	2.05	0.09
			12/15/20	1:50	0.699	2.712	1.13	0.05
					0.004	0.194	0.00	0.00

Lynn, MA

Market Street Overflow - Site CSO-004

2019 Overflow Summary (04/01/19 - 12/31/19)

Overflow Event	Start Date	Start Time	End Date	End Time	Discharge Volume	Peak Flow Rate 15-minute	Total Rainfall	Peak Rainfall Intensity
1	4/15/2019	7:05	4/15/2019	9:00	1.087	28.200	0.71	0.46
2	4/22/2019	14:30			4.371	46.79	2.12	0.41
			4/23/2019	9:45	0.679	18	0.32	0.14
3	04/26/19	20:50			0.402	26.900	0.58	0.35
			04/27/19	10:15	1.681	35.310	0.83	0.43
4	05/13/19	23:20			0.128	8.088	0.77	0.23
			05/14/19	0:45	0.033	1.682	0.26	0.18
5	06/20/19	11:50	06/20/19	12:50	0.406	28.540	0.60	0.48
6	06/29/19	16:50	06/29/19	17:45	0.007	0.512	0.47	0.31
7	07/06/19	17:30	07/06/19	18:05	0.118	12.260	0.60	0.03
8	07/12/19	4:15	07/12/19	4:45	0.131	11.070		
9	07/12/19	21:20	07/12/19	22:40	1.073	48.770	1.53	0.06
10	07/22/19	21:45	07/22/19	23:50	0.741	19.980	0.82	0.03
11	07/31/19	16:10	07/31/19	17:45	1.880	82.320	0.77	0.03
12	08/07/19	23:20			0.987	0.987	1.21	0.03
			08/08/19	3:00	2.759	2.759	1.29	0.07
13	08/29/19	1:15	08/29/19	2:05	0.672	40.380	0.73	0.03
14	09/02/19	18:30	09/02/19	20:20	1.987	113.900	1.44	0.06
15	10/17/19	0:45	10/17/19	2:40	1.491	48.850	1.33	0.06
16	10/27/19	15:40	10/27/19	17:20	0.718	28.330	1.60	0.07
17	11/24/19	12:35	11/24/19	15:30	0.455	20.220	2.05	0.09

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Broad Street Overflow - Site CSO-005
2019 Overflow Summary (04/01/19 - 12/31/19)

Overflow Event	Start Date	Start Time	End Date	End Time	Discharge Volume (mg)	Peak Flow Rate 15-minute (mgd)	Total Rainfall (inches)	Peak Rainfall Intensity (inches/hour)
1	4/15/2019	7:15	4/15/2019	9:05	1.856	29.840	0.71	0.46
2	4/22/2019	14:55			7.797	34.66	2.12	0.41
3	04/26/19	20:55	04/23/19	9:00	3.173	22.240	0.32	0.14
					1.538	27.900	0.58	0.35
4	05/13/19	23:20	04/27/19	4:15	5.279	43.520	0.83	0.43
					0.473	19.060	0.77	0.23
5	06/20/19	12:00	05/14/19	0:50	0.562	18.840	0.26	0.18
6	06/29/19	17:20	06/20/19	13:00	1.019	30.490	0.60	0.48
7	07/06/19	17:25	06/29/19	17:50	0.302	16.570	0.47	0.31
8	07/12/19	4:15	07/06/19	18:10	0.541	21.500	0.60	0.03
9	07/12/19	4:15	07/12/19	4:50	0.435	21.570		
10	07/12/19	21:25	07/12/19	22:35	1.845	54.620	1.53	0.06
11	07/31/19	16:20	07/31/19	18:05	1.989	42.970	0.77	0.03
	08/07/19	23:20			1.216	47.300	1.21	0.03
			08/08/19	3:05	4.512	54.210	1.29	0.07
12	08/29/19	1:10	08/29/19	2:15	1.368	37.300	0.73	0.03
13	09/02/19	18:30	09/02/19	20:30	3.178	68.440	1.44	0.06
14	10/17/19	0:35	10/17/19	4:20	4.422	39.470	1.33	0.06
15	10/27/19	15:35	10/27/19	17:30	2.473	37.130	1.60	0.07
16	11/24/19	12:15	11/24/19	15:35	3.340	41.200	2.05	0.09
17	12/14/19	5:25	12/14/19	6:35	1.091	23.650	1.13	0.05

Lynn, MA
Sanderson & Burrill Avenue Overflow - Site CSO-006
2019 Overflow Summary (04/01/19 - 12/31/19)

Overflow Event	Start Date	Start Time	End Date	End Time	Discharge Volume (mg)	Peak Flow Rate 15-minute (mgd)	Total Rainfall (inches)	Peak Rainfall Intensity (inches/hour)
1	07/12/19	21:40	07/12/19	21:55	0.024	6.220	1.53	0.06
2	09/02/19	18:50	09/02/19	19:20	0.131	9.179	1.44	0.06

Lynn, MA

Groveland Street Overflow - Site CSO-006A

2019 Overflow Summary (04/01/19 - 12/31/19)

Overflow Event	Start Date	Start Time	End Date	End Time	Discharge Volume (mg)	Peak Flow Rate 15-minute (mgd)	Total Rainfall (inches)	Peak Rainfall Intensity (inches/hour)
1	07/12/19	21:35	07/12/19	21:50	0.019	3.567	1.53	0.06
2	09/02/19	18:45	09/02/19	19:20	0.105	9.799	1.44	0.06