

Lynn, MA
Summer Street Overflow - Site CSO-003
2018 Overflow Summary (01/01/18 - 12/31/18)

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	1/12/2018	22:30			0.069	3.502	0.52	0.19
			1/13/2018	20:00	2.03	7.706	1.21	0.44
2	1/23/2018	12:00	1/23/2018	17:45	0.754	5.033	1.07	0.35
3	3/2/2018	10:45			1.651	6.116	1.98	0.24
			3/3/2018	22:45	1.053	6.352	0.00	0.00
4	04/16/18	12:30	4/16/2018	23:50	1.201	5.161	1.64	0.07
5	04/25/18	17:30	4/25/2018	23:45	0.355	4.053	0.93	0.04
6	04/27/18	17:45	04/27/18	20:00	0.173	4.008	0.51	0.02
7	05/15/18	17:45	05/15/18	21:45	0.464	6.134	0.95	0.66
8	06/04/18	10:15	06/04/18	3:45	0.362	3.234	0.57	0.15
9	06/25/18	1:30	06/25/18	4:30	0.329	4.053	0.88	0.54
10	06/28/18	10:30	06/28/18	16:45	0.402	4.683	1.20	0.51

Lynn, MA**Market Street Overflow - Site CSO-004****2018 Overflow Summary (01/01/18 - 12/31/18)**

Overflow Event	Start Date	Start Time	End Date	End Time	Discharge Volume	Peak Flow Rate 15-minute	Total Rainfall	Peak Rainfall Intensity
1	1/13/2018	3:00	1/13/2018	7:15	1.851	35.070	1.21	0.44
2	1/23/2018	12:15	1/23/2018	16:00	1.59	28.79	1.07	0.35
3	3/2/2018	8:30	3/2/2018	16:45	1.481	14.8	1.98	0.24
4	04/16/18	11:45	04/16/18	19:45	1.420	17.550	1.64	0.07
5	04/25/18	17:30	04/25/18	23:50	0.370	16.920	0.93	0.04
6	04/27/18	18:00	04/27/18	18:30	0.040	3.486	0.51	0.02
7	05/15/18	18:00	05/15/18	21:45	1.655	32.940	0.95	0.66
8	06/04/18	10:30	06/04/18	13:15	0.876	10.770	0.57	0.15
9	06/25/18	1:30	06/25/18	3:45	0.045	0.673	0.88	0.54
10	06/28/18	10:45	06/28/18	12:00	0.045	0.673	0.88	0.54

Lynn, MA**Broad Street Overflow - Site CSO-005****2018 Overflow Summary (01/01/18 - 12/31/18)**

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	1/13/2018	2:15	1/13/2018	7:15	5.424	36.330	1.21	0.44
2	1/23/2018	12:00	1/23/2018	4:00	3.317	27.79	1.07	0.35
3	03/02/18	10:45	03/02/18	10:45	5.938	31.470	1.98	0.24
4	04/16/18	13:15	04/16/18	19:45	4.284	29.920	1.64	0.07
5	04/25/18	17:30	04/25/18	18:45	1.098	30.450	0.93	0.04
6	04/27/18	17:45	04/27/18	18:30	0.593	21.170	0.51	0.02
7	05/15/18	17:45	05/15/18	20:15	2.537	35.020	0.95	0.66
8	06/04/18	10:30	06/04/18	13:00	1.467	16.300	0.57	0.15
9	06/25/18	1:30	06/25/18	3:30	1.522	21.810	0.88	0.54
10	06/28/18	10:30	06/28/18	15:30	1.918	34.860	1.20	0.51

Lynn, MA
Sanderson & Burrill Avenue Overflow - Site CSO-006
2018 Overflow Summary (01/01/18 - 12/31/18)

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)
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Lynn, MA
Groveland Street Overflow - Site CSO-006A
2018 Overflow Summary (01/01/18 - 12/31/18)

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)
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**Annual Overflow Summary
CSO - 003**

Overflow Event	Event Start Date	Event Start Time	Event End Date	Event End Time	Discharge Volume	Peak Flow Rate - 15 min.	Total Rainfall	Peak Rainfall Intensity
	(mm/dd/yyyy)	(hh:mm)	(mm/dd/yyyy)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
July	07/17/2018	13:00	07/17/2018	23:00	0.56	4.86	1.75	0.59
July	07/25/2018	23:00	07/26/2018	4:00	0.10	2.50	0.86	0.03
August	8/4/2018	10:00	8/4/2018	14:00	0.10	0.07	0.40	0.23
August	8/12/2018	4:00	8/12/2018	11:00	0.81	0.85	4.38	1.76
August	8/13/2018	22:00	8/13/2018	0:00	0.00	0.11	0.21	0.16
August	8/22/2018	7:00	8/22/2018	8:00	0.09	0.31	0.78	0.60
September	09/10/2018	18:00	09/11/2018	6:00	0.05	0.98	0.79	0.16
September	09/18/2018	1:00	09/18/2018	15:00	0.35	5.21	1.47	0.76
September	09/25/2018	12:00	09/26/2018	0:00	0.20	3.69	1.51	0.62



**Annual Overflow Summary
CSO - 004**

Overflow Event	Event Start Date	Event Start Time	Event End Date	Event End Time	Discharge Volume	Peak Flow Rate - 15 min.	Total Rainfall	Peak Rainfall Intensity
	(mm/dd/yyyy)	(hh:mm)	(mm/dd/yyyy)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
July	07/17/2018	13:00	07/17/2018	23:00	0.07	3.12	1.75	0.59
August	8/12/2018	4:00	8/12/2018	11:00	7.42	0.85	4.38	1.76
August	8/13/2018	2:00	8/13/2018	3:00	3.55	0.11	0.21	0.16
September	09/10/2018	18:00	09/11/2018	6:00	0.10	2.52	0.79	0.16
September	09/18/2018	1:00	09/18/2018	15:00	0.04	3.44	1.47	0.76
September	09/25/2018	12:00	09/26/2018	0:00	0.36	29.84	1.51	0.62



**Annual Overflow Summary
CSO - 005**

Overflow Event	Event Start Date	Event Start Time	Event End Date	Event End Time	Discharge Volume	Peak Flow Rate - 15 min.	Total Rainfall	Peak Rainfall Intensity
	(mm/dd/yyyy)	(hh:mm)	(mm/dd/yyyy)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
July	07/17/2018	13:00	07/17/2018	23:00	8.54	100.15	1.75	0.59
July	07/26/2018	15:00	07/26/2018	17:00	1.93	66.19	0.83	0.03
August	8/4/2018	10:00	8/4/2018	14:00	0.14	0.07	0.40	0.23
August	8/12/2018	4:00	8/12/2018	11:00	25.54	0.85	4.38	1.76
August	8/13/2018	2:00	8/13/2018	3:00	5.16	0.11	0.21	0.16
August	8/22/2018	7:00	8/22/2018	8:00	0.48	0.31	0.78	0.60
September	09/18/2018	1:00	09/18/2018	15:00	2.69	98.15	1.47	0.76
September	09/25/2018	12:00	09/26/2018	0:00	1.55	104.56	15.37	0.62



**Annual Overflow Summary
CSO - 006**

Overflow Event	Event Start Date	Event Start Time	Event End Date	Event End Time	Discharge Volume	Peak Flow Rate - 15 min.	Total Rainfall	Peak Rainfall Intensity
	(mm/dd/yyyy)	(hh:mm)	(mm/dd/yyyy)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
July	--	--	--	--	--	--	--	--
August	8/12/2018	4:00	8/12/2018	11:00	3.68	0.85	4.38	1.76
September	09/18/2018	1:00	09/18/2018	15:00	0.11	11.95	1.47	0.76



**Annual Overflow Summary
CSO - 006A**

Overflow Event	Event Start Date	Event Start Time	Event End Date	Event End Time	Discharge Volume	Peak Flow Rate - 15 min.	Total Rainfall	Peak Rainfall Intensity
	(mm/dd/yyyy)	(hh:mm)	(mm/dd/yyyy)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
July	--	--	--	--	--	--	--	--
August	8/12/2018	4:00	8/12/2018	11:00	3.33	0.85	4.38	1.76
September	09/18/2018	1:00	09/18/2018	15:00	0.01	1.19	1.47	0.76



Monthly Overflow Summary CSO - 003

Date	Event Start Time	Event End Time	Discharge Duration	Discharge Volume	Peak Flow Rate	Total Rainfall	Peak Rainfall Intensity
	(hh:mm)	(hh:mm)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
10/1/2018				0.00	0.00	0.04	0.00
10/2/2018				0.00	0.00	0.27	0.00
10/3/2018				0.00	0.00	0.22	0.00
10/4/2018				0.00	0.00	0.00	0.02
10/5/2018				0.00	0.00	0.00	0.00
10/6/2018				0.00	0.00	0.00	0.00
10/7/2018				0.00	0.00	0.00	0.00
10/8/2018				0.00	0.00	0.01	0.00
10/9/2018				0.00	0.00	0.00	0.01
10/10/2018				0.00	0.00	0.00	0.00
10/11/2018				0.00	0.00	0.50	0.01
10/12/2018				0.00	0.00	0.04	0.18
10/13/2018				0.00	0.00	0.09	0.01
10/14/2018				0.00	0.00	0.00	0.00
10/15/2018				0.00	0.00	0.02	0.00
10/16/2018				0.00	0.00	0.09	0.00
10/17/2018				0.00	0.00	0.00	0.00
10/18/2018				0.00	0.00	0.00	0.02
10/19/2018				0.00	0.00	0.00	0.00
10/20/2018				0.00	0.00	0.00	0.00
10/21/2018				0.00	0.00	0.02	0.00
10/22/2018				0.00	0.00	0.00	0.03
10/23/2018				0.00	0.00	0.28	0.00
10/24/2018				0.00	0.00	0.06	0.00
10/25/2018				0.00	0.00	0.00	0.00
10/26/2018				0.00	0.00	0.00	0.00
10/27/2018	7:00	22:00	15:00	0.08	1.29	1.37	0.00
10/28/2018				0.00	0.00	0.05	0.00
10/29/2018	5:00	10:00	5:00	0.21	3.96	0.51	0.00
10/30/2018				0.00	0.00	0.00	0.00
10/31/2018				0.00	0.00	0.00	0.00
Total			20:00	0.29		3.57	
No. Events:			2				



Monthly Overflow Summary CSO - 004

Date	Event Start Time	Event End Time	Discharge Duration	Discharge Volume	Peak Flow Rate	Total Rainfall	Peak Rainfall Intensity
	(hh:mm)	(hh:mm)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
10/1/2018				0.00	0.00	0.04	0.00
10/2/2018				0.00	0.00	0.27	0.00
10/3/2018				0.00	0.00	0.22	0.00
10/4/2018				0.00	0.00	0.00	0.02
10/5/2018				0.00	0.00	0.00	0.00
10/6/2018				0.00	0.00	0.00	0.00
10/7/2018				0.00	0.00	0.00	0.00
10/8/2018				0.00	0.00	0.01	0.00
10/9/2018				0.00	0.00	0.00	0.01
10/10/2018				0.00	0.00	0.00	0.00
10/11/2018				0.00	0.00	0.50	0.01
10/12/2018				0.00	0.00	0.04	0.18
10/13/2018				0.00	0.00	0.09	0.01
10/14/2018				0.00	0.00	0.00	0.00
10/15/2018				0.00	0.00	0.02	0.00
10/16/2018				0.00	0.00	0.09	0.00
10/17/2018				0.00	0.00	0.00	0.00
10/18/2018				0.00	0.00	0.00	0.02
10/19/2018				0.00	0.00	0.00	0.00
10/20/2018				0.00	0.00	0.00	0.00
10/21/2018				0.00	0.00	0.02	0.00
10/22/2018				0.00	0.00	0.00	0.03
10/23/2018				0.00	0.00	0.28	0.00
10/24/2018				0.00	0.00	0.06	0.00
10/25/2018				0.00	0.00	0.00	0.00
10/26/2018				0.00	0.00	0.00	0.00
10/27/2018	7:00	22:00	15:00	0.06	1.77	1.37	0.00
10/28/2018				0.00	0.00	0.05	0.00
10/29/2018				0.00	0.00	0.51	0.00
10/30/2018				0.00	0.00	0.00	0.00
10/31/2018				0.00	0.00	0.00	0.00
Total			3:15	0.06		3.57	
No. Events:			3				



Associates, Inc.



Monthly Overflow Summary CSO - 005

Date	Event Start Time	Event End Time	Discharge Duration	Discharge Volume	Peak Flow Rate	Total Rainfall	Peak Rainfall Intensity
	(hh:mm)	(hh:mm)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
10/1/2018				0.00	0.00	0.04	0.00
10/2/2018				0.00	0.00	0.27	0.00
10/3/2018				0.00	0.00	0.22	0.00
10/4/2018				0.00	0.00	0.00	0.02
10/5/2018				0.00	0.00	0.00	0.00
10/6/2018				0.00	0.00	0.00	0.00
10/7/2018				0.00	0.00	0.00	0.00
10/8/2018				0.00	0.00	0.01	0.00
10/9/2018				0.00	0.00	0.00	0.01
10/10/2018				0.00	0.00	0.00	0.00
10/11/2018				0.00	0.00	0.50	0.01
10/12/2018				0.00	0.00	0.04	0.18
10/13/2018				0.00	0.00	0.09	0.01
10/14/2018				0.00	0.00	0.00	0.00
10/15/2018				0.00	0.00	0.02	0.00
10/16/2018				0.00	0.00	0.09	0.00
10/17/2018				0.00	0.00	0.00	0.00
10/18/2018				0.00	0.00	0.00	0.02
10/19/2018				0.00	0.00	0.00	0.00
10/20/2018				0.00	0.00	0.00	0.00
10/21/2018				0.00	0.00	0.02	0.00
10/22/2018				0.00	0.00	0.00	0.03
10/23/2018				0.00	0.00	0.28	0.00
10/24/2018				0.00	0.00	0.06	0.00
10/25/2018				0.00	0.00	0.00	0.00
10/26/2018				0.00	0.00	0.00	0.00
10/27/2018				0.00	0.00	1.37	0.00
10/28/2018				0.00	0.00	0.05	0.00
10/29/2018	5:00	10:00	5:00	0.69	24.16	0.51	0.00
10/30/2018				0.00	0.00	0.00	0.00
10/31/2018				0.00	0.00	0.00	0.00
Total			2:45	0.69		3.57	
No. Events:			2				



Monthly Overflow Summary CSO - 006

Date	Event Start Time	Event End Time	Discharge Duration	Discharge Volume	Peak Flow Rate	Total Rainfall	Peak Rainfall Intensity
	(hh:mm)	(hh:mm)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
10/1/2018				0.00	0.00	0.04	0.00
10/2/2018				0.00	0.00	0.27	0.00
10/3/2018				0.00	0.00	0.22	0.00
10/4/2018				0.00	0.00	0.00	0.02
10/5/2018				0.00	0.00	0.00	0.00
10/6/2018				0.00	0.00	0.00	0.00
10/7/2018				0.00	0.00	0.00	0.00
10/8/2018				0.00	0.00	0.01	0.00
10/9/2018				0.00	0.00	0.00	0.01
10/10/2018				0.00	0.00	0.00	0.00
10/11/2018				0.00	0.00	0.50	0.01
10/12/2018				0.00	0.00	0.04	0.18
10/13/2018				0.00	0.00	0.09	0.01
10/14/2018				0.00	0.00	0.00	0.00
10/15/2018				0.00	0.00	0.02	0.00
10/16/2018				0.00	0.00	0.09	0.00
10/17/2018				0.00	0.00	0.00	0.00
10/18/2018				0.00	0.00	0.00	0.02
10/19/2018				0.00	0.00	0.00	0.00
10/20/2018				0.00	0.00	0.00	0.00
10/21/2018				0.00	0.00	0.02	0.00
10/22/2018				0.00	0.00	0.00	0.03
10/23/2018				0.00	0.00	0.28	0.00
10/24/2018				0.00	0.00	0.06	0.00
10/25/2018				0.00	0.00	0.00	0.00
10/26/2018				0.00	0.00	0.00	0.00
10/27/2018				0.00	0.00	1.37	0.00
10/28/2018				0.00	0.00	0.05	0.00
10/29/2018				0.00	0.00	0.51	0.00
10/30/2018				0.00	0.00	0.00	0.00
10/31/2018				0.00	0.00	0.00	0.00
Total			0:00	0.00		3.57	
No. Events:			0				



Monthly Overflow Summary CSO - 006A

Date	Event Start Time	Event End Time	Discharge Duration	Discharge Volume	Peak Flow Rate	Total Rainfall	Peak Rainfall Intensity
	(hh:mm)	(hh:mm)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
10/1/2018				0.00	0.00	0.04	0.01
10/2/2018				0.00	0.00	0.27	0.05
10/3/2018				0.00	0.00	0.22	0.04
10/4/2018				0.00	0.00	0.00	0.00
10/5/2018				0.00	0.00	0.00	0.00
10/6/2018				0.00	0.00	0.00	0.00
10/7/2018				0.00	0.00	0.00	0.00
10/8/2018				0.00	0.00	0.01	0.01
10/9/2018				0.00	0.00	0.00	0.00
10/10/2018				0.00	0.00	0.00	0.00
10/11/2018				0.00	0.00	0.50	0.10
10/12/2018				0.00	0.00	0.04	0.01
10/13/2018				0.00	0.00	0.09	0.01
10/14/2018				0.00	0.00	0.00	0.00
10/15/2018				0.00	0.00	0.02	0.01
10/16/2018				0.00	0.00	0.09	0.02
10/17/2018				0.00	0.00	0.00	0.00
10/18/2018				0.00	0.00	0.00	0.00
10/19/2018				0.00	0.00	0.00	0.00
10/20/2018				0.00	0.00	0.00	0.00
10/21/2018				0.00	0.00	0.02	0.01
10/22/2018				0.00	0.00	0.00	0.00
10/23/2018				0.00	0.00	0.28	0.10
10/24/2018				0.00	0.00	0.06	0.01
10/25/2018				0.00	0.00	0.00	0.00
10/26/2018				0.00	0.00	0.00	0.00
10/27/2018				0.00	0.00	1.37	0.07
10/28/2018				0.00	0.00	0.05	0.01
10/29/2018				0.00	0.00	0.51	0.11
10/30/2018				0.00	0.00	0.00	0.00
10/31/2018				0.00	0.00	0.00	0.00
Total			0:00	0.00		3.57	
No. Events:			0				

**Monthly Overflow Summary
CSO - 003**

Date	Event Start Time	Event End Time	Discharge Duration	Discharge Volume	Peak Flow Rate	Total Rainfall	Peak Rainfall Intensity
	(hh:mm)	(hh:mm)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
11/1/2018				0.00	0.00	0.00	0.00
11/2/2018				0.00	0.00	0.29	0.01
11/3/2018	6:45	16:45	10:00	0.73	4.55	1.26	0.05
11/4/2018				0.00	0.00	0.00	0.00
11/5/2018				0.00	0.00	0.32	0.01
11/6/2018	17:15	21:15	4:00	0.14	2.14	0.76	0.03
11/7/2018				0.00	0.00	0.00	0.00
11/8/2018				0.00	0.00	0.00	0.00
11/9/2018	22:45			0.23	5.09	0.61	0.03
11/10/2018		20:45	22:00	0.86	4.99	0.75	0.03
11/11/2018				0.00	0.00	0.00	0.00
11/12/2018				0.00	0.00	0.00	0.00
11/13/2018	5:45			1.54	5.10	1.24	0.05
11/14/2018		21:45	16:00	0.07	0.20	0.00	0.00
11/15/2018				0.00	0.00	0.00	0.00
11/16/2018	5:00			1.97	4.99	1.13	0.05
11/17/2018		23:45	18:45	0.18	0.46	0.00	0.00
11/18/2018				0.00	0.00	0.00	0.00
11/19/2018				0.00	0.00	0.36	0.02
11/20/2018				0.00	0.00	0.40	0.02
11/21/2018				0.00	0.00	0.00	0.00
11/22/2018				0.00	0.00	0.00	0.00
11/23/2018				0.00	0.00	0.00	0.00
11/24/2018				0.00	0.00	0.00	0.00
11/25/2018	6:45	9:00	2:15	0.11	2.78	0.62	0.03
11/26/2018	20:30			0.43	4.34	0.60	0.03
11/27/2018				2.36	5.47	0.83	0.03
11/28/2018		13:00	39:30	0.09	0.60	0.00	0.00
11/29/2018				0.00	0.00	0.00	0.00
11/30/2018				0.00	0.00	0.00	0.00
Total			112:30	8.71		9.17	
No. Events:			7				



Monthly Overflow Summary CSO - 004

Date	Event Start Time	Event End Time	Discharge Duration	Discharge Volume	Peak Flow Rate	Total Rainfall	Peak Rainfall Intensity
	(hh:mm)	(hh:mm)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
11/1/2018				0.00	0.00	0.00	0.00
11/2/2018				0.00	0.00	0.29	0.01
11/3/2018	6:15	9:00	2:45	0.05	2.40	1.26	0.05
11/4/2018				0.00	0.00	0.00	0.00
11/5/2018				0.00	0.00	0.32	0.01
11/6/2018				0.00	0.00	0.76	0.03
11/7/2018				0.00	0.00	0.00	0.00
11/8/2018				0.00	0.00	0.00	0.00
11/9/2018	21:15			0.19	12.50	0.61	0.03
11/10/2018		1:30	4:15	0.53	17.27	0.75	0.03
11/11/2018				0.00	0.00	0.00	0.00
11/12/2018				0.00	0.00	0.00	0.00
11/13/2018				0.00	0.00	1.24	0.05
11/14/2018				0.00	0.00	0.00	0.00
11/15/2018				0.00	0.00	0.00	0.00
11/16/2018	0:30	5:30	5:00	0.37	21.60	1.13	0.05
11/17/2018				0.00	0.00	0.00	0.00
11/18/2018				0.00	0.00	0.00	0.00
11/19/2018				0.00	0.00	0.36	0.02
11/20/2018				0.00	0.00	0.40	0.02
11/21/2018				0.00	0.00	0.00	0.00
11/22/2018				0.00	0.00	0.00	0.00
11/23/2018				0.00	0.00	0.00	0.00
11/24/2018				0.00	0.00	0.00	0.00
11/25/2018				0.00	0.00	0.62	0.03
11/26/2018	23:45			0.04	2.01	0.60	0.03
11/27/2018		3:00	4:15	6.09	80.91	0.83	0.03
11/28/2018				0.00	0.00	0.00	0.00
11/29/2018				0.00	0.00	0.00	0.00
11/30/2018				0.00	0.00	0.00	0.00
Total			16:15	7.26		9.17	
No. Events:			4				



Monthly Overflow Summary CSO - 005

Date	Event Start Time	Event End Time	Discharge Duration	Discharge Volume	Peak Flow Rate	Total Rainfall	Peak Rainfall Intensity
	(hh:mm)	(hh:mm)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
11/1/2018				0.00	0.00	0.00	0.00
11/2/2018				0.00	0.00	0.29	0.01
11/3/2018	6:30	8:30	2:00	1.90	33.96	1.26	0.05
11/4/2018				0.00	0.00	0.00	0.00
11/5/2018				0.00	0.00	0.32	0.01
11/6/2018				0.00	0.00	0.76	0.03
11/7/2018				0.00	0.00	0.00	0.00
11/8/2018				0.00	0.00	0.00	0.00
11/9/2018	22:45			1.61	35.69	0.61	0.03
11/10/2018		3:00	4:15	1.75	24.04	0.75	0.03
11/11/2018				0.00	0.00	0.00	0.00
11/12/2018				0.00	0.00	0.00	0.00
11/13/2018	7:15	14:00	6:45	2.58	26.99	1.24	0.05
11/14/2018				0.00	0.00	0.00	0.00
11/15/2018				0.00	0.00	0.00	0.00
11/16/2018	5:15	11:30	5:15	3.58	29.54	1.13	0.05
11/17/2018				0.00	0.00	0.00	0.00
11/18/2018				0.00	0.00	0.00	0.00
11/19/2018				0.00	0.00	0.36	0.02
11/20/2018				0.00	0.00	0.40	0.02
11/21/2018				0.00	0.00	0.00	0.00
11/22/2018				0.00	0.00	0.00	0.00
11/23/2018				0.00	0.00	0.00	0.00
11/24/2018				0.00	0.00	0.00	0.00
11/25/2018	6:45	7:15	0:30	0.27	13.19	0.62	0.03
11/26/2018	21:15			1.23	17.56	0.60	0.03
11/27/2018		7:45	10:30	7.98	90.92	0.83	0.03
11/28/2018				0.00	0.00	0.00	0.00
11/29/2018				0.00	0.00	0.00	0.00
11/30/2018				0.00	0.00	0.00	0.00
Total			29:15	20.91		9.17	
No. Events:			6				



Monthly Overflow Summary CSO - 006

Date	Event Start Time	Event End Time	Discharge Duration	Discharge Volume	Peak Flow Rate	Total Rainfall	Peak Rainfall Intensity
	(hh:mm)	(hh:mm)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
11/1/2018				0.00	0.00	0.00	0.00
11/2/2018				0.00	0.00	0.29	0.01
11/3/2018				0.00	0.00	1.26	0.05
11/4/2018				0.00	0.00	0.00	0.00
11/5/2018				0.00	0.00	0.32	0.01
11/6/2018				0.00	0.00	0.76	0.03
11/7/2018				0.00	0.00	0.00	0.00
11/8/2018				0.00	0.00	0.00	0.00
11/9/2018				0.00	0.00	0.61	0.03
11/10/2018				0.00	0.00	0.75	0.03
11/11/2018				0.00	0.00	0.00	0.00
11/12/2018				0.00	0.00	0.00	0.00
11/13/2018				0.00	0.00	1.24	0.05
11/14/2018				0.00	0.00	0.00	0.00
11/15/2018				0.00	0.00	0.00	0.00
11/16/2018				0.00	0.00	1.13	0.05
11/17/2018				0.00	0.00	0.00	0.00
11/18/2018				0.00	0.00	0.00	0.00
11/19/2018				0.00	0.00	0.36	0.02
11/20/2018				0.00	0.00	0.40	0.02
11/21/2018				0.00	0.00	0.00	0.00
11/22/2018				0.00	0.00	0.00	0.00
11/23/2018				0.00	0.00	0.00	0.00
11/24/2018				0.00	0.00	0.00	0.00
11/25/2018				0.00	0.00	0.62	0.03
11/26/2018				0.00	0.00	0.60	0.03
11/27/2018				0.00	0.00	0.83	0.03
11/28/2018				0.00	0.00	0.00	0.00
11/29/2018				0.00	0.00	0.00	0.00
11/30/2018				0.00	0.00	0.00	0.00
Total			0:00	0.00		9.17	
No. Events:			0				



Monthly Overflow Summary CSO - 006A

Date	Event Start Time	Event End Time	Discharge Duration	Discharge Volume	Peak Flow Rate	Total Rainfall	Peak Rainfall Intensity
	(hh:mm)	(hh:mm)	(hh:mm)	(mgal)	(mgd)	(in)	(in/hr)
11/1/2018				0.00	0.00	0.00	0.00
11/2/2018				0.00	0.00	0.29	0.01
11/3/2018				0.00	0.00	1.26	0.05
11/4/2018				0.00	0.00	0.00	0.00
11/5/2018				0.00	0.00	0.32	0.01
11/6/2018				0.00	0.00	0.76	0.03
11/7/2018				0.00	0.00	0.00	0.00
11/8/2018				0.00	0.00	0.00	0.00
11/9/2018				0.00	0.00	0.61	0.03
11/10/2018				0.00	0.00	0.75	0.03
11/11/2018				0.00	0.00	0.00	0.00
11/12/2018				0.00	0.00	0.00	0.00
11/13/2018				0.00	0.00	1.24	0.05
11/14/2018				0.00	0.00	0.00	0.00
11/15/2018				0.00	0.00	0.00	0.00
11/16/2018				0.00	0.00	1.13	0.05
11/17/2018				0.00	0.00	0.00	0.00
11/18/2018				0.00	0.00	0.00	0.00
11/19/2018				0.00	0.00	0.36	0.02
11/20/2018				0.00	0.00	0.40	0.02
11/21/2018				0.00	0.00	0.00	0.00
11/22/2018				0.00	0.00	0.00	0.00
11/23/2018				0.00	0.00	0.00	0.00
11/24/2018				0.00	0.00	0.00	0.00
11/25/2018				0.00	0.00	0.62	0.03
11/26/2018				0.00	0.00	0.60	0.03
11/27/2018				0.00	0.00	0.83	0.03
11/28/2018				0.00	0.00	0.00	0.00
11/29/2018				0.00	0.00	0.00	0.00
11/30/2018				0.00	0.00	0.00	0.00
Total			0:00	0.00		9.17	
No. Events:			0				



Monthly Overflow Summary CSO - 003

Date	Event Start Time (hh:mm)	Event End Time (hh:mm)	Discharge Duration (hh:mm)	Discharge Volume (mgal)	Peak Flow Rate (mgd)	Total Rainfall (in)	Peak Rainfall Intensity (in/hr)
12/1/2019				0.00	0.00	0.00	0.00
12/2/2019	4:00	15:00	11:00	0.19	1.89	0.78	0.03
12/3/2019				0.00	0.00	0.01	0.00
12/4/2019				0.00	0.00	0.00	0.00
12/5/2019				0.00	0.00	0.00	0.00
12/6/2019				0.00	0.00	0.00	0.00
12/7/2019				0.00	0.00	0.00	0.00
12/8/2019				0.00	0.00	0.00	0.00
12/9/2019				0.00	0.00	0.00	0.00
12/10/2019				0.00	0.00	0.00	0.00
12/11/2019				0.00	0.00	0.00	0.00
12/12/2019				0.00	0.00	0.00	0.00
12/13/2019				0.00	0.00	0.00	0.00
12/14/2019				0.00	0.00	0.00	0.00
12/15/2019				0.00	0.00	0.00	0.00
12/16/2019	18:00			0.06	1.67	0.49	0.02
12/17/2019		1:00	7:00	0.00	0.00	0.15	0.01
12/18/2019				0.00	0.00	0.00	0.00
12/19/2019				0.00	0.00	0.00	0.00
12/20/2019				0.00	0.00	0.00	0.00
12/21/2019				0.00	0.00	0.49	0.02
12/22/2019				0.00	0.00	0.02	0.00
12/23/2019				0.00	0.00	0.00	0.00
12/24/2019				0.00	0.00	0.00	0.00
12/25/2019				0.00	0.00	0.00	0.00
12/26/2019				0.00	0.00	0.00	0.00
12/27/2019				0.00	0.00	0.00	0.00
12/28/2019				0.00	0.00	0.26	0.01
12/29/2019				0.00	0.00	0.00	0.00
12/30/2019				0.00	0.00	0.00	0.00
12/31/2019				0.00	0.00	0.15	0.01
Total			112:30	0.25		2.35	
No. Events:			7				



Monthly Overflow Summary CSO - 004

Date	Event Start Time (hh:mm)	Event End Time (hh:mm)	Discharge Duration (hh:mm)	Discharge Volume (mgal)	Peak Flow Rate (mgd)	Total Rainfall (in)	Peak Rainfall Intensity (in/hr)
12/1/2019				0.00	0.00	0.00	0.00
12/2/2019				0.00	0.00	0.78	0.03
12/3/2019				0.00	0.00	0.01	0.00
12/4/2019				0.00	0.00	0.00	0.00
12/5/2019				0.00	0.00	0.00	0.00
12/6/2019				0.00	0.00	0.00	0.00
12/7/2019				0.00	0.00	0.00	0.00
12/8/2019				0.00	0.00	0.00	0.00
12/9/2019				0.00	0.00	0.00	0.00
12/10/2019				0.00	0.00	0.00	0.00
12/11/2019				0.00	0.00	0.00	0.00
12/12/2019				0.00	0.00	0.00	0.00
12/13/2019				0.00	0.00	0.00	0.00
12/14/2019				0.00	0.00	0.00	0.00
12/15/2019				0.00	0.00	0.00	0.00
12/16/2019				0.00	0.00	0.49	0.02
12/17/2019				0.00	0.00	0.15	0.01
12/18/2019				0.00	0.00	0.00	0.00
12/19/2019				0.00	0.00	0.00	0.00
12/20/2019				0.00	0.00	0.00	0.00
12/21/2019				0.00	0.00	0.49	0.02
12/22/2019				0.00	0.00	0.02	0.00
12/23/2019				0.00	0.00	0.00	0.00
12/24/2019				0.00	0.00	0.00	0.00
12/25/2019				0.00	0.00	0.00	0.00
12/26/2019				0.00	0.00	0.00	0.00
12/27/2019				0.00	0.00	0.00	0.00
12/28/2019				0.00	0.00	0.26	0.01
12/29/2019				0.00	0.00	0.00	0.00
12/30/2019				0.00	0.00	0.00	0.00
12/31/2019				0.00	0.00	0.15	0.01
Total			16:15	0.00		2.35	
No. Events:			4				



Associates, Inc.



Monthly Overflow Summary CSO - 005

Date	Event Start Time (hh:mm)	Event End Time (hh:mm)	Discharge Duration (hh:mm)	Discharge Volume (mgal)	Peak Flow Rate (mgd)	Total Rainfall (in)	Peak Rainfall Intensity (in/hr)
12/1/2019				0.00	0.00	0.00	0.00
12/2/2019				0.00	0.00	0.78	0.03
12/3/2019				0.00	0.00	0.01	0.00
12/4/2019				0.00	0.00	0.00	0.00
12/5/2019				0.00	0.00	0.00	0.00
12/6/2019				0.00	0.00	0.00	0.00
12/7/2019				0.00	0.00	0.00	0.00
12/8/2019				0.00	0.00	0.00	0.00
12/9/2019				0.00	0.00	0.00	0.00
12/10/2019				0.00	0.00	0.00	0.00
12/11/2019				0.00	0.00	0.00	0.00
12/12/2019				0.00	0.00	0.00	0.00
12/13/2019				0.00	0.00	0.00	0.00
12/14/2019				0.00	0.00	0.00	0.00
12/15/2019				0.00	0.00	0.00	0.00
12/16/2019	18:00			0.02	2.25	0.49	0.02
12/17/2019		1:00	7:00	0.00	0.00	0.15	0.01
12/18/2019				0.00	0.00	0.00	0.00
12/19/2019				0.00	0.00	0.00	0.00
12/20/2019				0.00	0.00	0.00	0.00
12/21/2019				0.00	0.00	0.49	0.02
12/22/2019				0.00	0.00	0.02	0.00
12/23/2019				0.00	0.00	0.00	0.00
12/24/2019				0.00	0.00	0.00	0.00
12/25/2019				0.00	0.00	0.00	0.00
12/26/2019				0.00	0.00	0.00	0.00
12/27/2019				0.00	0.00	0.00	0.00
12/28/2019				0.00	0.00	0.26	0.01
12/29/2019				0.00	0.00	0.00	0.00
12/30/2019				0.00	0.00	0.00	0.00
12/31/2019				0.00	0.00	0.15	0.01
Total			29:15	0.02		2.35	
No. Events:			6				



Monthly Overflow Summary CSO - 006

Date	Event Start Time (hh:mm)	Event End Time (hh:mm)	Discharge Duration (hh:mm)	Discharge Volume (mgal)	Peak Flow Rate (mgd)	Total Rainfall (in)	Peak Rainfall Intensity (in/hr)
12/1/2019				0.00	0.00	0.00	0.00
12/2/2019				0.00	0.00	0.78	0.03
12/3/2019				0.00	0.00	0.01	0.00
12/4/2019				0.00	0.00	0.00	0.00
12/5/2019				0.00	0.00	0.00	0.00
12/6/2019				0.00	0.00	0.00	0.00
12/7/2019				0.00	0.00	0.00	0.00
12/8/2019				0.00	0.00	0.00	0.00
12/9/2019				0.00	0.00	0.00	0.00
12/10/2019				0.00	0.00	0.00	0.00
12/11/2019				0.00	0.00	0.00	0.00
12/12/2019				0.00	0.00	0.00	0.00
12/13/2019				0.00	0.00	0.00	0.00
12/14/2019				0.00	0.00	0.00	0.00
12/15/2019				0.00	0.00	0.00	0.00
12/16/2019				0.00	0.00	0.49	0.02
12/17/2019				0.00	0.00	0.15	0.01
12/18/2019				0.00	0.00	0.00	0.00
12/19/2019				0.00	0.00	0.00	0.00
12/20/2019				0.00	0.00	0.00	0.00
12/21/2019				0.00	0.00	0.49	0.02
12/22/2019				0.00	0.00	0.02	0.00
12/23/2019				0.00	0.00	0.00	0.00
12/24/2019				0.00	0.00	0.00	0.00
12/25/2019				0.00	0.00	0.00	0.00
12/26/2019				0.00	0.00	0.00	0.00
12/27/2019				0.00	0.00	0.00	0.00
12/28/2019				0.00	0.00	0.26	0.01
12/29/2019				0.00	0.00	0.00	0.00
12/30/2019				0.00	0.00	0.00	0.00
12/31/2019				0.00	0.00	0.15	0.01
Total			0:00	0.00		2.35	
No. Events:			0				



Monthly Overflow Summary CSO - 006A

Date	Event Start Time (hh:mm)	Event End Time (hh:mm)	Discharge Duration (hh:mm)	Discharge Volume (mgal)	Peak Flow Rate (mgd)	Total Rainfall (in)	Peak Rainfall Intensity (in/hr)
12/1/2019				0.00	0.00	0.00	0.00
12/2/2019				0.00	0.00	0.78	0.03
12/3/2019				0.00	0.00	0.01	0.00
12/4/2019				0.00	0.00	0.00	0.00
12/5/2019				0.00	0.00	0.00	0.00
12/6/2019				0.00	0.00	0.00	0.00
12/7/2019				0.00	0.00	0.00	0.00
12/8/2019				0.00	0.00	0.00	0.00
12/9/2019				0.00	0.00	0.00	0.00
12/10/2019				0.00	0.00	0.00	0.00
12/11/2019				0.00	0.00	0.00	0.00
12/12/2019				0.00	0.00	0.00	0.00
12/13/2019				0.00	0.00	0.00	0.00
12/14/2019				0.00	0.00	0.00	0.00
12/15/2019				0.00	0.00	0.00	0.00
12/16/2019				0.00	0.00	0.49	0.02
12/17/2019				0.00	0.00	0.15	0.01
12/18/2019				0.00	0.00	0.00	0.00
12/19/2019				0.00	0.00	0.00	0.00
12/20/2019				0.00	0.00	0.00	0.00
12/21/2019				0.00	0.00	0.49	0.02
12/22/2019				0.00	0.00	0.02	0.00
12/23/2019				0.00	0.00	0.00	0.00
12/24/2019				0.00	0.00	0.00	0.00
12/25/2019				0.00	0.00	0.00	0.00
12/26/2019				0.00	0.00	0.00	0.00
12/27/2019				0.00	0.00	0.00	0.00
12/28/2019				0.00	0.00	0.26	0.01
12/29/2019				0.00	0.00	0.00	0.00
12/30/2019				0.00	0.00	0.00	0.00
12/31/2019				0.00	0.00	0.15	0.01
Total			0:00	0.00		2.35	
No. Events:			0				