

CSO 004

**Sanitary Sewer Overflow
DISCHARGE MONITORING REPORT (DMR)**

Outfall Number: CSO 004
 Overflow Location: 3rd St., CSO
 Flow Data Collected By: Drnach Environmental, Inc.
 Rain Data Collected By: Drnach Environmental, Inc.
 Rain Gauge Location: New Ken Plant

MONITORED PERIOD: August 1, 2016 through August 31, 2016

Date	Overflow Duration (min)	Overflow Duration (hrs)	Total Overflow (GPD)	Total (24 hr.) Precip. (in.)	Total Overflow (MGD)	Precip. Duration (min.)	Precip. Duration (hrs.)	Precip. Intensity (inches/hr.)	Precip. Max Intensity (inches/hr.)
1-Aug-2016									
2-Aug-2016									
3-Aug-2016									
4-Aug-2016									
5-Aug-2016									
6-Aug-2016				0.34		60	1.0	0.34	0.21
7-Aug-2016									
8-Aug-2016									
9-Aug-2016									
10-Aug-2016				0.01		15	0.3	0.04	0.01
11-Aug-2016	30	0.5	11890	0.31	0.012	30	0.5	0.62	0.31
12-Aug-2016				0.02		15	0.3	0.08	0.02
13-Aug-2016	45	0.8	15497	0.71	0.015	120	2.0	0.36	0.39
14-Aug-2016				0.23		120	2.0	0.12	0.13
15-Aug-2016	30	0.5	5050	0.20	0.005	135	2.3	0.09	0.15
16-Aug-2016	55	0.9	27027	0.36	0.027	135	2.3	0.16	0.28
17-Aug-2016	45	0.8	32139	0.59	0.032	390	6.5	0.09	0.14
18-Aug-2016									
19-Aug-2016									
20-Aug-2016									
21-Aug-2016				0.29		105	1.8	0.17	0.19
22-Aug-2016									
23-Aug-2016									
24-Aug-2016									
25-Aug-2016	5	0.1	22843	1.06	0.023	45	0.8	1.41	1.05
26-Aug-2016	125	2.1	623062	0.12	0.623	45	0.8	0.16	0.11
27-Aug-2016									
28-Aug-2016				0.66		90	1.5	0.44	0.63
29-Aug-2016									
30-Aug-2016									
31-Aug-2016				0.08		105	1.8	0.05	0.03
Total	335	5.6	737509	4.98	0.738	1410	23.5		

CSO 005

**Sanitary Sewer Overflow
DISCHARGE MONITORING REPORT (DMR)**

Outfall Number: CSO 005
 Overflow Location: 4th Street
 Flow Data Collected By: Dmach Environmental, Inc.
 Rain Data Collected By: Dmach Environmental, Inc.
 Rain Gauge Location: New Ken Plant

MONITORED PERIOD: August 1, 2016 through August 31, 2016

Date	Overflow Duration (min)	Overflow Duration (hrs)	Total Overflow (GPD)	Total (24 hr.) Precip. (in.)	Total Overflow (MGD)	Precip. Duration (min.)	Precip. Duration (hrs.)	Precip. Intensity (inches/hr.)	Precip. Max Intensity (inches/hr.)
1-Aug-2016									
2-Aug-2016									
3-Aug-2016									
4-Aug-2016									
5-Aug-2016									
6-Aug-2016	10	0.2	32324	0.34	0.032	60	1.0	0.34	0.21
7-Aug-2016									
8-Aug-2016									
9-Aug-2016									
10-Aug-2016				0.01		15	0.3	0.04	0.01
11-Aug-2016	20	0.3	44243	0.31	0.044	30	0.5	0.62	0.31
12-Aug-2016				0.02		15	0.3	0.08	0.02
13-Aug-2016	30	0.5	52821	0.71	0.053	120	2.0	0.36	0.39
14-Aug-2016				0.23		120	2.0	0.12	0.13
15-Aug-2016	15	0.3	20986	0.20	0.021	135	2.3	0.09	0.15
16-Aug-2016	40	0.7	80659	0.36	0.081	135	2.3	0.16	0.28
17-Aug-2016	25	0.4	44955	0.59	0.045	390	6.5	0.09	0.14
18-Aug-2016									
19-Aug-2016									
20-Aug-2016									
21-Aug-2016				0.29		105	1.8	0.17	0.19
22-Aug-2016									
23-Aug-2016									
24-Aug-2016									
25-Aug-2016	15	0.3	181614	1.06	0.182	45	0.8	1.41	1.05
26-Aug-2016	60	1.0	228892	0.12	0.229	45	0.8	0.16	0.11
27-Aug-2016									
28-Aug-2016	15	0.3	14363	0.66	0.014	90	1.5	0.44	0.63
29-Aug-2016									
30-Aug-2016									
31-Aug-2016				0.08		105	1.8	0.05	0.03
Total	230	3.8	700858	4.98	0.701	1410	23.5		

CSO 006

**Sanitary Sewer Overflow
DISCHARGE MONITORING REPORT (DMR)**

Outfall Number: CSO 006
 Overflow Location: 5th Street
 Flow Data Collected By: Dmach Environmental, Inc.
 Rain Data Collected By: Dmach Environmental, Inc.
 Rain Gauge Location: New Ken Plant

MONITORED PERIOD: August 1, 2016 through August 31, 2016

Date	Overflow Duration (min)	Overflow Duration (hrs)	Total Overflow (GPD)	Total (24 hr.) Precip. (in.)	Total Overflow (MGD)	Precip. Duration (min)	Precip. Duration (hrs.)	Precip. Intensity (inches/hr.)	Precip. Max Intensity (inches/hr.)
1-Aug-2016									
2-Aug-2016									
3-Aug-2016									
4-Aug-2016									
5-Aug-2016									
6-Aug-2016				0.34		60	1.0	0.34	0.21
7-Aug-2016									
8-Aug-2016									
9-Aug-2016									
10-Aug-2016				0.01		15	0.3	0.04	0.01
11-Aug-2016				0.31		30	0.5	0.62	0.31
12-Aug-2016				0.02		15	0.3	0.08	0.02
13-Aug-2016				0.71		120	2.0	0.36	0.39
14-Aug-2016				0.23		120	2.0	0.12	0.13
15-Aug-2016				0.20		135	2.3	0.09	0.15
16-Aug-2016				0.36		135	2.3	0.16	0.28
17-Aug-2016				0.59		390	6.5	0.09	0.14
18-Aug-2016									
19-Aug-2016									
20-Aug-2016									
21-Aug-2016				0.29		105	1.8	0.17	0.19
22-Aug-2016									
23-Aug-2016									
24-Aug-2016									
25-Aug-2016	5	0.1	11817	1.06	0.012	45	0.8	1.41	1.05
26-Aug-2016				0.12		45	0.8	0.16	0.11
27-Aug-2016									
28-Aug-2016				0.66		90	1.5	0.44	0.63
29-Aug-2016									
30-Aug-2016									
31-Aug-2016				0.08		105	1.8	0.05	0.03
Total	5	0.1	11817	4.98	0.012	1410	23.5		

CSO 007

**Sanitary Sewer Overflow
DISCHARGE MONITORING REPORT (DMR)**

Outfall Number: CSO 007
 Overflow Location: 6th Street
 Flow Data Collected By: Dmarch Environmental, Inc.
 Rain Data Collected By: Dmarch Environmental, Inc.
 Rain Gauge Location: New Ken Plant

MONITORED PERIOD: August 1, 2016 through August 31, 2016

Date	Overflow Duration (min)	Overflow Duration (hrs)	Total Overflow (GPD)	Total (24 hr.) Precip. (in.)	Total Overflow (MGD)	Precip. Duration (min.)	Precip. Duration (hrs.)	Precip. Intensity (inches/hr.)	Precip. Max Intensity (inches/hr.)
1-Aug-2016									
2-Aug-2016									
3-Aug-2016									
4-Aug-2016									
5-Aug-2016									
6-Aug-2016				0.34		60	1.0	0.34	0.21
7-Aug-2016									
8-Aug-2016									
9-Aug-2016									
10-Aug-2016				0.01		15	0.3	0.04	0.01
11-Aug-2016				0.31		30	0.5	0.62	0.31
12-Aug-2016				0.02		15	0.3	0.08	0.02
13-Aug-2016				0.71		120	2.0	0.36	0.39
14-Aug-2016				0.23		120	2.0	0.12	0.13
15-Aug-2016				0.20		135	2.3	0.09	0.15
16-Aug-2016				0.36		135	2.3	0.16	0.28
17-Aug-2016				0.59		390	6.5	0.09	0.14
18-Aug-2016									
19-Aug-2016									
20-Aug-2016									
21-Aug-2016				0.29		105	1.8	0.17	0.19
22-Aug-2016									
23-Aug-2016									
24-Aug-2016									
25-Aug-2016	10	0.2	67632	1.06	0.068	45	0.8	1.41	1.05
26-Aug-2016	15	0.3	66995	0.12	0.067	45	0.8	0.16	0.11
27-Aug-2016									
28-Aug-2016				0.66		90	1.5	0.44	0.63
29-Aug-2016									
30-Aug-2016									
31-Aug-2016				0.08		105	1.8	0.05	0.03
Total	25	0.4	134627	4.98	0.135	1410	23.5		

CSO 008

**Sanitary Sewer Overflow
DISCHARGE MONITORING REPORT (DMR)**

Outfall Number: CSO 008
 Overflow Location: 7th Street
 Flow Data Collected By: Drnach Environmental, Inc.
 Rain Data Collected By: Drnach Environmental, Inc.
 Rain Gauge Location: New Ken Plant

MONITORED PERIOD: August 1, 2016 through August 31, 2016

Date	Overflow Duration (min)	Overflow Duration (hrs)	Total Overflow (GPD)	Total (24 hr.) Precip. (in.)	Total Overflow (MGD)	Precip. Duration (min.)	Precip. Duration (hrs.)	Precip. Intensity (inches/hr.)	Precip. Max Intensity (inches/hr.)
1-Aug-2016									
2-Aug-2016									
3-Aug-2016									
4-Aug-2016									
5-Aug-2016									
6-Aug-2016				0.34		60	1.0	0.34	0.21
7-Aug-2016									
8-Aug-2016									
9-Aug-2016									
10-Aug-2016				0.01		15	0.3	0.04	0.01
11-Aug-2016	10	0.2	259	0.31	0.000	30	0.5	0.62	0.31
12-Aug-2016				0.02		15	0.3	0.08	0.02
13-Aug-2016				0.71		120	2.0	0.36	0.39
14-Aug-2016				0.23		120	2.0	0.12	0.13
15-Aug-2016				0.20		135	2.3	0.09	0.15
16-Aug-2016	15	0.3	5185	0.36	0.005	135	2.3	0.16	0.28
17-Aug-2016				0.59		390	6.5	0.09	0.14
18-Aug-2016									
19-Aug-2016									
20-Aug-2016									
21-Aug-2016				0.29		105	1.8	0.17	0.19
22-Aug-2016									
23-Aug-2016									
24-Aug-2016									
25-Aug-2016	15	0.3	76012	1.06	0.076	45	0.8	1.41	1.05
26-Aug-2016	30	0.5	120133	0.12	0.120	45	0.8	0.16	0.11
27-Aug-2016									
28-Aug-2016				0.66		90	1.5	0.44	0.63
29-Aug-2016									
30-Aug-2016									
31-Aug-2016				0.08		105	1.8	0.05	0.03
Total	70	1.2	201590	4.98	0.202	1410	23.5		

CSO 009

**Sanitary Sewer Overflow
DISCHARGE MONITORING REPORT (DMR)**

Outfall Number: CSO 009
 Overflow Location: 9th Street
 Flow Data Collected By: Dmach Environmental, Inc.
 Rain Data Collected By: Dmach Environmental, Inc.
 Rain Gauge Location: New Ken Plant

MONITORED PERIOD: August 1, 2016 through August 31, 2016

Date	Overflow Duration (min)	Overflow Duration (hrs)	Total Overflow (GPD)	Total (24 hr.) Precip. (in.)	Total Overflow (MGD)	Precip. Duration (min.)	Precip. Duration (hrs.)	Precip. Intensity (inches/hr.)	Precip. Max Intensity (inches/hr.)
1-Aug-2016									
2-Aug-2016									
3-Aug-2016									
4-Aug-2016									
5-Aug-2016									
6-Aug-2016				0.34		60	1.0	0.34	0.21
7-Aug-2016									
8-Aug-2016									
9-Aug-2016									
10-Aug-2016				0.01		15	0.3	0.04	0.01
11-Aug-2016	10	0.2	1712	0.31	0.002	30	0.5	0.62	0.31
12-Aug-2016				0.02		15	0.3	0.08	0.02
13-Aug-2016	15	0.3	2837	0.71	0.003	120	2.0	0.36	0.39
14-Aug-2016				0.23		120	2.0	0.12	0.13
15-Aug-2016				0.20		135	2.3	0.09	0.15
16-Aug-2016	10	0.2	1920	0.36	0.002	135	2.3	0.16	0.28
17-Aug-2016				0.59		390	6.5	0.09	0.14
18-Aug-2016									
19-Aug-2016									
20-Aug-2016									
21-Aug-2016				0.29		105	1.8	0.17	0.19
22-Aug-2016									
23-Aug-2016									
24-Aug-2016									
25-Aug-2016				1.06		45	0.8	1.41	1.05
26-Aug-2016	15	0.3	28247	0.12	0.028	45	0.8	0.16	0.11
27-Aug-2016									
28-Aug-2016				0.66		90	1.5	0.44	0.63
29-Aug-2016									
30-Aug-2016									
31-Aug-2016				0.08		105	1.8	0.05	0.03
Total	50	0.8	34715	4.98	0.035	1410	23.5		