

**CSO 004**

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

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

MONITORED PERIOD: October 1, 2016 through October 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-Oct-2016				0.16		120	2.0	0.08	0.11
2-Oct-2016				0.16		120	2.0	0.08	0.09
3-Oct-2016									
4-Oct-2016									
5-Oct-2016									
6-Oct-2016									
7-Oct-2016	115	1.9	365970	0.61	0.366	240	4.0	0.15	0.37
8-Oct-2016				0.10		135	2.3	0.04	0.03
9-Oct-2016									
10-Oct-2016									
11-Oct-2016									
12-Oct-2016									
13-Oct-2016				0.01		15	0.3	0.04	0.01
14-Oct-2016									
15-Oct-2016									
16-Oct-2016									
17-Oct-2016				0.21		135	2.3	0.09	0.10
18-Oct-2016									
19-Oct-2016				0.03		45	0.8	0.04	0.02
20-Oct-2016	50	0.8	13564	0.41	0.014	285	4.8	0.09	0.12
21-Oct-2016	1060	17.7	3788705	1.85	3.789	930	15.5	0.12	0.30
22-Oct-2016				0.06		75	1.3	0.05	0.03
23-Oct-2016									
24-Oct-2016									
25-Oct-2016									
26-Oct-2016									
27-Oct-2016				0.19		150	2.5	0.08	0.11
28-Oct-2016				0.01		15	0.3	0.04	0.01
29-Oct-2016									
30-Oct-2016				0.22		165	2.8	0.08	0.10
31-Oct-2016									
<b>Total</b>	<b>1225</b>	<b>20.4</b>	<b>4168239</b>	<b>4.02</b>	<b>4.168</b>	<b>2430</b>	<b>40.5</b>		

**CSO 005**

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

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

MONITORED PERIOD: October 1, 2016 through October 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-Oct-2016				0.16		120	2.0	0.08	0.11
2-Oct-2016				0.16		120	2.0	0.08	0.09
3-Oct-2016									
4-Oct-2016									
5-Oct-2016									
6-Oct-2016									
7-Oct-2016	85	1.4	206550	0.61	0.207	240	4.0	0.15	0.37
8-Oct-2016				0.10		135	2.3	0.04	0.03
9-Oct-2016									
10-Oct-2016									
11-Oct-2016									
12-Oct-2016									
13-Oct-2016				0.01		15	0.3	0.04	0.01
14-Oct-2016									
15-Oct-2016									
16-Oct-2016									
17-Oct-2016				0.21		135	2.3	0.09	0.10
18-Oct-2016									
19-Oct-2016				0.03		45	0.8	0.04	0.02
20-Oct-2016				0.41		285	4.8	0.09	0.12
21-Oct-2016	385	6.4	1055526	1.85	1.056	930	15.5	0.12	0.30
22-Oct-2016				0.06		75	1.3	0.05	0.03
23-Oct-2016									
24-Oct-2016									
25-Oct-2016									
26-Oct-2016									
27-Oct-2016				0.19		150	2.5	0.08	0.11
28-Oct-2016				0.01		15	0.3	0.04	0.01
29-Oct-2016									
30-Oct-2016				0.22		165	2.8	0.08	0.10
31-Oct-2016									
<b>Total</b>	<b>470</b>	<b>7.8</b>	<b>1262076</b>	<b>4.02</b>	<b>1.262</b>	<b>2430</b>	<b>40.5</b>		

**CSO 006**

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

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

MONITORED PERIOD: October 1, 2016 through October 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-Oct-2016				0.16		120	2.0	0.08	0.11
2-Oct-2016				0.16		120	2.0	0.08	0.09
3-Oct-2016									
4-Oct-2016									
5-Oct-2016									
6-Oct-2016									
7-Oct-2016				0.61		240	4.0	0.15	0.37
8-Oct-2016				0.10		135	2.3	0.04	0.03
9-Oct-2016									
10-Oct-2016									
11-Oct-2016									
12-Oct-2016									
13-Oct-2016				0.01		15	0.3	0.04	0.01
14-Oct-2016									
15-Oct-2016									
16-Oct-2016									
17-Oct-2016				0.21		135	2.3	0.09	0.10
18-Oct-2016									
19-Oct-2016				0.03		45	0.8	0.04	0.02
20-Oct-2016				0.41		285	4.8	0.09	0.12
21-Oct-2016				1.85		930	15.5	0.12	0.30
22-Oct-2016				0.06		75	1.3	0.05	0.03
23-Oct-2016									
24-Oct-2016									
25-Oct-2016									
26-Oct-2016									
27-Oct-2016				0.19		150	2.5	0.08	0.11
28-Oct-2016				0.01		15	0.3	0.04	0.01
29-Oct-2016									
30-Oct-2016				0.22		165	2.8	0.08	0.10
31-Oct-2016									
<b>Total</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>4.02</b>	<b>0.000</b>	<b>2430</b>	<b>40.5</b>		

**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: October 1, 2016 through October 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-Oct-2016				0.16		120	2.0	0.08	0.11
2-Oct-2016				0.16		120	2.0	0.08	0.09
3-Oct-2016									
4-Oct-2016									
5-Oct-2016									
6-Oct-2016									
7-Oct-2016				0.61		240	4.0	0.15	0.37
8-Oct-2016				0.10		135	2.3	0.04	0.03
9-Oct-2016									
10-Oct-2016									
11-Oct-2016									
12-Oct-2016									
13-Oct-2016				0.01		15	0.3	0.04	0.01
14-Oct-2016									
15-Oct-2016									
16-Oct-2016									
17-Oct-2016				0.21		135	2.3	0.09	0.10
18-Oct-2016									
19-Oct-2016				0.03		45	0.8	0.04	0.02
20-Oct-2016				0.41		285	4.8	0.09	0.12
21-Oct-2016				1.85		930	15.5	0.12	0.30
22-Oct-2016				0.06		75	1.3	0.05	0.03
23-Oct-2016									
24-Oct-2016									
25-Oct-2016									
26-Oct-2016									
27-Oct-2016				0.19		150	2.5	0.08	0.11
28-Oct-2016				0.01		15	0.3	0.04	0.01
29-Oct-2016									
30-Oct-2016				0.22		165	2.8	0.08	0.10
31-Oct-2016									
<b>Total</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>4.02</b>	<b>0.000</b>	<b>2430</b>	<b>40.5</b>		

**CSO 007**

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

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

**MONITORED PERIOD: October 1, 2016 through October 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-Oct-2016				0.16		120	2.0	0.08	0.11
2-Oct-2016				0.16		120	2.0	0.08	0.09
3-Oct-2016									
4-Oct-2016									
5-Oct-2016									
6-Oct-2016									
7-Oct-2016				0.61		240	4.0	0.15	0.37
8-Oct-2016				0.10		135	2.3	0.04	0.03
9-Oct-2016									
10-Oct-2016									
11-Oct-2016									
12-Oct-2016									
13-Oct-2016				0.01		15	0.3	0.04	0.01
14-Oct-2016									
15-Oct-2016									
16-Oct-2016									
17-Oct-2016				0.21		135	2.3	0.09	0.10
18-Oct-2016									
19-Oct-2016				0.03		45	0.8	0.04	0.02
20-Oct-2016				0.41		285	4.8	0.09	0.12
21-Oct-2016				1.85		930	15.5	0.12	0.30
22-Oct-2016				0.06		75	1.3	0.05	0.03
23-Oct-2016									
24-Oct-2016									
25-Oct-2016									
26-Oct-2016									
27-Oct-2016				0.19		150	2.5	0.08	0.11
28-Oct-2016				0.01		15	0.3	0.04	0.01
29-Oct-2016									
30-Oct-2016				0.22		165	2.8	0.08	0.10
31-Oct-2016									
<b>Total</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>4.02</b>	<b>0.000</b>	<b>2430</b>	<b>40.5</b>		

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: October 1, 2016 through October 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-Oct-2016				0.16		120	2.0	0.08	0.11
2-Oct-2016				0.16		120	2.0	0.08	0.09
3-Oct-2016									
4-Oct-2016									
5-Oct-2016									
6-Oct-2016									
7-Oct-2016	40	0.7	12887	0.61	0.013	240	4.0	0.15	0.37
8-Oct-2016				0.10		135	2.3	0.04	0.03
9-Oct-2016									
10-Oct-2016									
11-Oct-2016									
12-Oct-2016									
13-Oct-2016				0.01		15	0.3	0.04	0.01
14-Oct-2016									
15-Oct-2016									
16-Oct-2016									
17-Oct-2016				0.21		135	2.3	0.09	0.10
18-Oct-2016									
19-Oct-2016				0.03		45	0.8	0.04	0.02
20-Oct-2016				0.41		285	4.8	0.09	0.12
21-Oct-2016	230	3.8	76028	1.85	0.076	930	15.5	0.12	0.30
22-Oct-2016				0.06		75	1.3	0.05	0.03
23-Oct-2016									
24-Oct-2016									
25-Oct-2016									
26-Oct-2016									
27-Oct-2016				0.19		150	2.5	0.08	0.11
28-Oct-2016				0.01		15	0.3	0.04	0.01
29-Oct-2016									
30-Oct-2016				0.22		165	2.8	0.08	0.10
31-Oct-2016									
<b>Total</b>	<b>270</b>	<b>4.5</b>	<b>88915</b>	<b>4.02</b>	<b>0.089</b>	<b>2430</b>	<b>40.5</b>		

**CSO 009**

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

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

**MONITORED PERIOD: October 1, 2016 through October 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-Oct-2016				0.16		120	2.0	0.08	0.11
2-Oct-2016				0.16		120	2.0	0.08	0.09
3-Oct-2016									
4-Oct-2016									
5-Oct-2016									
6-Oct-2016									
7-Oct-2016	60	1.0	52556	0.61	0.053	240	4.0	0.15	0.37
8-Oct-2016				0.10		135	2.3	0.04	0.03
9-Oct-2016									
10-Oct-2016									
11-Oct-2016									
12-Oct-2016									
13-Oct-2016				0.01		15	0.3	0.04	0.01
14-Oct-2016									
15-Oct-2016									
16-Oct-2016									
17-Oct-2016	10	0.2	1021	0.21	0.001	135	2.3	0.09	0.10
18-Oct-2016									
19-Oct-2016				0.03		45	0.8	0.04	0.02
20-Oct-2016	10	0.2	1611	0.41	0.002	285	4.8	0.09	0.12
21-Oct-2016	255	4.3	156184	1.85	0.156	930	15.5	0.12	0.30
22-Oct-2016				0.06		75	1.3	0.05	0.03
23-Oct-2016									
24-Oct-2016									
25-Oct-2016									
26-Oct-2016									
27-Oct-2016				0.19		150	2.5	0.08	0.11
28-Oct-2016				0.01		15	0.3	0.04	0.01
29-Oct-2016									
30-Oct-2016				0.22		165	2.8	0.08	0.10
31-Oct-2016									
<b>Total</b>	<b>335</b>	<b>5.6</b>	<b>211372</b>	<b>4.02</b>	<b>0.211</b>	<b>2430</b>	<b>40.5</b>		