

## **Appendix 8**

### **Draft 2017 MS4 Stormwater Annual Report**

#### **Water Testing**

#### **Inlet Test Results MS4 & PPCP**

CB No.	5674	5679	5142	538	545	883	831	5014	5031	2021	3104	2149	3101A	8309	8327	8422	8399	9278	Average
Sheet No.	T19	T20	T20	H13	H13	K14	H9	S20	S21	W10	W14	W13	W14	O15	O15	O17	O17	O17	
Street	Laura	Fulton	Chamberlain	Chapel	Oliver	Chapel	Whalley	Kendall	Alabama	Donna	Quinnipiac	Quinnipiac	Hemmingway	Elm	York	S.Frontage	Temple	Orange	
Type	Ind	Ind	Ind	Res	Res	Res	Com	Com	Ind	Res	Res	Res	Res	Com	Com	Com	Com	Res	
Outlet No.	156	156	156	70	70	70	26	147	147	200	253	249	253	109	109	109	109	122	
Date	11/29/16	11/29/16	11/29/16	11/29/16	11/29/16	11/29/16	11/29/16	3/1/17	3/1/17	3/1/17	3/1/17	3/1/17	3/1/17	4/4/17	4/4/17	4/4/17	4/4/17	4/4/17	
Storm	1.25", 8	1.25", 8	1.25", 8	1.25", 8	1.25", 8	1.25", 8	1.25", 8	0.22 >12	0.22 >12	0.22 >12	0.22 >12	0.22 >12	0.22 >12	0.29 >12	0.29 >12	0.29 >12	0.29 >12	0.29 >12	
Estimated Time	4h45m	4h	4h	5h	5h	4h	3h10m	1h	1h	2h30m	3h15m	4h15m	4h45m	8h30m ?	8h30m ?	8h30m ?	8h30m ?	10h30m ?	
Ammonia Nitrogen	0.15	0.1	0.12	0.23	0.1	0.1	0.55	0.57	0.27	0.14	0.32	0.18	0.19	0.364	0.1	0.143	4.52	0.1	
COD	18.6	15.3	33.9	39.6	39.6	8.5	13.6	332	320	656	589	218	190	247	491	53.6	454	293	
MBAS Surfactants	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.15	0.02	0.32	0.27	0.24	0.18	0.12	0.12	0.02	
Nitrite / Nitrate	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.71	0.48	0.23	0.77	0.66	0.56	0.2	0.2	0.2	0.2	2	
N Total Kjeldhal	0.64	0.46	0.82	1.58	1.62	1.19	1.2	2.83	1.59	1.58	3.1	2.4	2.07	1.2	1.2	0.488	7.24	4.52	
pH	6.43	6.45	6.3	6.3	6.7	6.8	6.72	6.3	5.67	6.82	5.43	6.52	7.14	7.6	7.53	6.91	6.38	7.63	
Total Phosphorus	0.1	0.06	0.28	0.21	0.31	0.29	0.19	0.45	0.65	0.61	0.7	0.37	0.34	0.334	0.724	0.113	0.193	0.082	
Rainfall pH	6.26	6.65	6.3	6.3	6.7	6.8	6.45												
Sp Conductance	20.7	20.7	23.1	28.7	25.7	19.9	19.3	28.7	307	26	277	328	251	145	111	77	1078	37	6.49
TSS	56.5	31	31	77.5	104	147.5	76	766.5	944	1096.5	463.5	442	899	1635	1426.5	66	784.5	386.5	156.88
Turbidity	13.4	7.43	6.35	5.95	7.16	11.3	16.3	18	999	999	999	999	999	39.9	43.8	23.6	39.8	16.3	524.08
Hardness	6.5	4.1	5.1	9.4	7.9	14.4	4.9	151	156.2	45.1	31.2	68.4	31.3	165.1	126.8	6.7	1241	299.9	291.35
Total Nitrogen	0.84	0.66	1.02	1.78	1.82	1.39	1.4	3.54	2.07	1.81	3.87	3.06	2.63	1.4	1.4	0.688	7.44	6.52	131.94
E-Coli	1400	580	1100	90	120	800	2800	200	100	100	1200	1000	100	400	700	300	100	2400	749.44
Enterococcus	2400	1400	12100	2300	3700	1700	9500	3800	500	100	5600	4400	2200	1900	3900	2400	1000	3000	3438.89

Oil & Grease	5.2	9.4	3.9	4.5	3.2	4.6	3	1.3	2.1	21	9.4	11	12	40	14	3.7	12	3.9	9.12
O&G Hydrocarbon	1.4	4.9	1	1.6	1	1	1.1												1.71
Drains to MS4 monitored outlet																			
Exceeds relevant water quality limits																			

PPCP

1-7 Dimeth	0	780	0	220	560	890	66	980	0	0	0	270	0	0	310	0	0	0	226.44
Acetaminophen	20	67	0	0	140	60	0	64	71	13	72	110	0	260	450	1300	130	72	157.17
Atenolol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Azithromycin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Caffeine	580	740	150	1800	1900	1200	770	980	1400	1500	2300	3700	1700	1300	5800	1300	1500	1400	1667.78
Carbamazepine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Cotinine	0	0	52	190	200	240	200	0	0	0	610	450	0	0	250	0	0	0	121.78
Primidone	0	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	17.78
Urobilin	0	0	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.67
One qualifier in lab report																			
Two qualifiers in lab report																			

