Appendix A

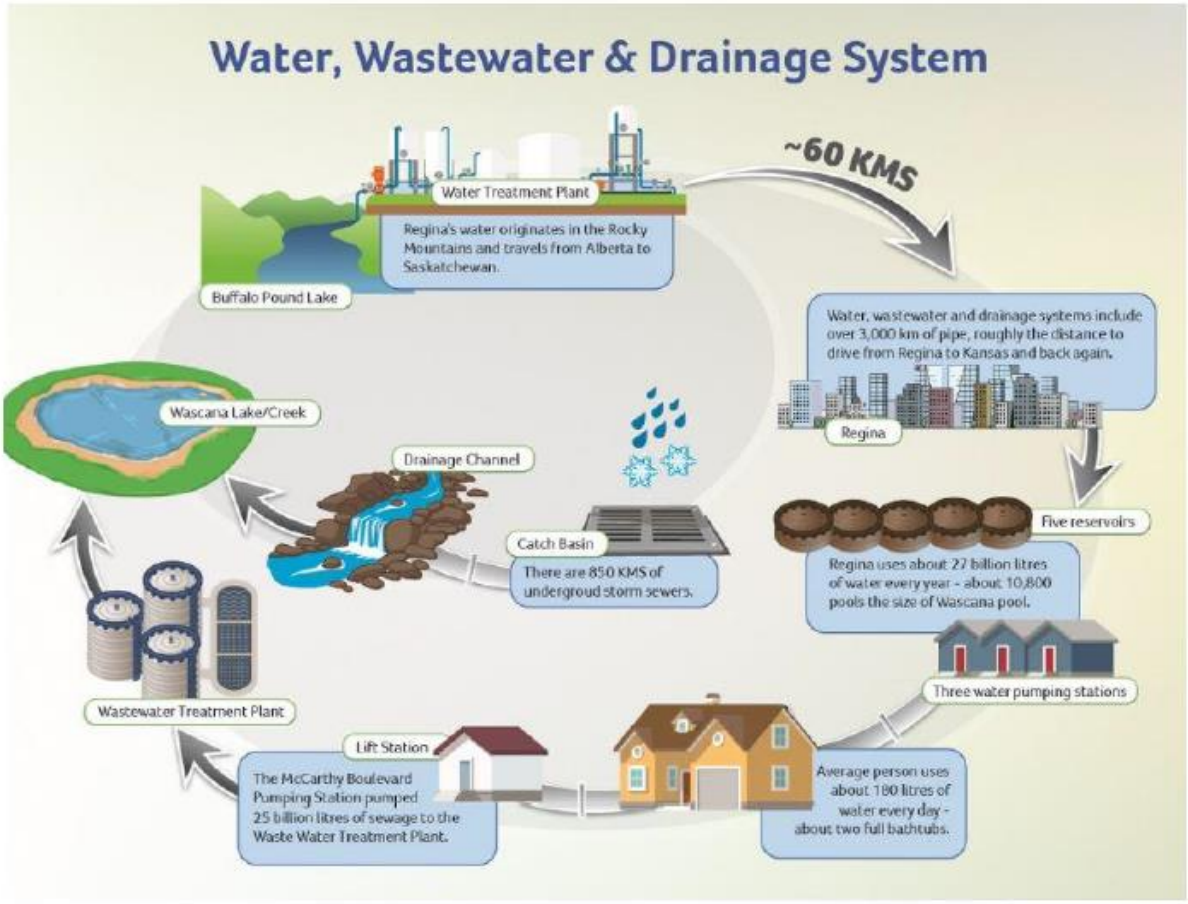

Figure A. Water, Wastewater & Drainage System

Table A. summary of parameters tested in the primary effluent entering the WWTP

Category	Parameter	Average	Maximum	Minimum
Hydrocarbons (PAHs)	1-Methylnaphthalene	0.00012	0.0002	0.0001
	2-Methylnaphthalene	0.00012	0.0002	0.0001
	Acenaphthene	0.0001	0.0001	0.0001
	Acenaphthylene	0.00011	0.0002	0.0001
	Acridine	0.001	0.001	0.001
	Anthracene	0.00012	0.0002	0.0001
	Benzo(A)Anthracene	0.000311	0.00068	0.00007
	Benzo(A)Pyrene	0.000229	0.00045	0.00008
	Benzo(B,J,K)Fluoranthene	0.001	0.001	0.001
	Benzo(E)Pyrene	0.001	0.001	0.001
	Benzo(G,H,I)Perylene	0.001	0.001	0.001
	Chrysene	0.00029	0.0006	0.0002
	Dibenzo(A,H)Anthracene	0.001	0.001	0.001
	Fluoranthene	0.00024	0.0006	0.0001
	Fluorene	0.0001	0.0001	0.0001
	Indeno(1,2,3-C,D)Pyrene	0.001	0.001	0.001
	Naphthalene	0.00012	0.0002	0.0001
	Perylene	0.001	0.001	0.001
	Phenanthrene	0.00027	0.0006	0.0001
	Quinoline	0.00012	0.0002	0.0001
Hydrocarbons (BTEX)	Benzene	0.0005	0.0005	0.0005
	Ethylbenzene	0.0006	0.0008	0.0005
	O-Xylene	0.0008	0.0015	0.0005
	M+P-Xylene	0.0013	0.0030	0.0005
	Xylenes	0.0018	0.0045	0.0005
	Toluene	0.0021	0.0045	0.0008
Hydrocarbons (F1-F4)	F1-Btex	0.15	0.5	0.05
	F2 (C10-C16)	0.5242	1.3	0.5
	F3 (C16-C34)	4.0278	7.5	0.99
	F4 (C34-C50)	1.4594	4	0.56
	Phenols	0.1095	0.13	0.093
Other	Mineral Oil & Grease	5	5	5
	Oil & Grease Total	18.25	35.2	8.8
Total Metals	Aluminum	1.070	4	0.32
	Antimony	0.001	0.0016	0.0005
	Arsenic	0.002	0.003	0.0014
	Barium	0.089	0.15	0.068
	Beryllium	0.000	0.0002	0.0001
	Boron	0.278	0.35	0.21
	Cadmium	0.000	0.00055	0.00008
	Chromium (Total)	0.006	0.017	0.0019

	Cobalt	0.001	0.0021	0.0004
	Copper	0.121	0.17	0.08
	Cyanide, Total	0.003	0.003	0.002
	Iron	1.611	5.2	0.44
	Lead	0.005	0.026	0.0022
	Manganese	0.261	0.35	0.18
	Mercury	0.000	0.00178	0.00002
	Molybdenum	0.017	0.031	0.0072
	Nickel	0.006	0.012	0.0033
	Potassium	22	24	18
	Selenium	0.01	0.012	0.0044
	Silver	0.00	0.0015	0.00013
	Sodium	172	178	160
	Strontium	0.493	0.58	0.44
	Thallium	0.000	0.0002	0.0002
	Tin	0.003	0.0072	0.002
	Titanium	0.049	0.13	0.0037
	Uranium	0.002	0.0037	0
	Vanadium	0.011	0.06	0.0021
	Zinc	0.135	0.23	0.096
Dissolved Metals	Aluminum, Dissolved	0.036	0.057	0.015
	Antimony, Dissolved	0.001	0.0006	0.0005
	Arsenic, Dissolved	0.001	0.0013	0.001
	Barium, Dissolved	0.047	0.052	0.043
	Beryllium, Dissolved	0.000	0.0001	0.0001
	Boron, Dissolved	0.245	0.29	0.21
	Cadmium, Dissolved	0.00003	0.00004	0.00002
	Chromium, Dissolved	0.00085	0.001	0.0007
	Cobalt, Dissolved	0.000325	0.0004	0.0003
	Copper, Dissolved	0.023	0.033	0.0062
	Iron, Dissolved	0.165	0.2	0.11
	Lead, Dissolved	0.001	0.0007	0.0004
	Manganese, Dissolved	0.228	0.26	0.19
	Mercury, Dissolved	0.000	0.00001	0
	Molybdenum, Dissolved	0.011	0.015	0.007
	Nickel, Dissolved	0.003	0.0038	0.0027
	Selenium, Dissolved	0.005	0.0049	0.0042
	Silver, Dissolved	0.000	0.0001	0.00005
	Strontium, Dissolved	0.443	0.46	0.42
	Thallium, Dissolved	0.000	0.0002	0.0002
	Tin, Dissolved	0.001	0.0009	0.0004
	Titanium, Dissolved	0.010	0.019	0.0021
	Uranium, Dissolved	0.001	0.0012	0.0009
	Vanadium, Dissolved	0.001	0.0013	0.0008

	Zinc, Dissolved	0.022	0.026	0.012
Surchargable Parameters	Biological Oxygen Demand (BOD)	216.16	295	104
	Total Suspended Solids (SS)	232	476	124
	Total Phosphate (TP)	5.48	7.02	2.50
	Chemical Oxygen Demand (COD)	552	913	298
	Total Kjeldahl Nitrogen (TKN)	46.70	65.10	20.90
Other	pH	7.50	7.71	7.28
	Temperature (Celsius)	17.02	25.01	9.08

* Unless otherwise indicated, all results are in mg/L