



Water and Waste Department
Environmental Standards Division

SEWPCC SCHEDULE B Quarterly Monitoring Reports



January 2015 – December 2015

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**City Of Winnipeg
Water Waste Department**

South End Water Pollution Control Centre Quarterly Monitoring Report

1st Quarter Sampling Parameter	February 9, 2015			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	ug/L	10	10	<10	<10
Mercury (Hg)-Total	ng/L	1.0	1.0	180	7.7
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0781	0.0044
Trihalomethanes (total)	mg/L	0.0010	0.0010	0.0032	0.0028
Oil and Grease (I.R.)	mg/L	20	1.0	528	<1.0
Tetraethyl Lead	ug/L	0.028	0.028	<0.028	<0.028
Tri-n-butyltin Cation	ug/L	0.052	0.050	<0.052	<0.050
pH unStabilized Trout Bioassay	Pass/Fail				fail
Hardness	mg/L				130
Alkalinity	mg/L				250
Temperature	°C				14.5
Dissolved Oxygen	mg/L				8.59
Conductivity	umhos/cm				951
pH	units		0.10		6.73
pH Stabilized Trout Bioassay	Pass/Fail				pass
Hardness	mg/L				130
Alkalinity	mg/L				240
Temperature	°C				14.5
Dissolved Oxygen	mg/L				7.80
Conductivity	umhos/cm				949
pH	units		0.10		6.73
Ammonia, Total (as N)	mg/L		2.0		52.3
Ammonia, Un-ionized (as N)	mg/L		0.010		0.074
Chlorine, Total	mg/L		0.10		<0.10
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.020	0.020	<0.020	<0.020
Cadmium (Cd)-Total	mg/L	0.0010	0.0010	<0.0010	<0.0010
Chromium (Cr)-Total	mg/L	0.10	0.10	<0.10	<0.10
Copper (Cu)-Total	mg/L	0.020	0.020	0.230	<0.020
Lead (Pb)-Total	mg/L	0.0090	0.0090	0.0231	<0.0090
Molybdenum (Mo)-Total	mg/L	0.020	0.020	<0.020	<0.020
Nickel (Ni)-Total	mg/L	0.20	0.20	<0.20	<0.20
Selenium (Se)-Total	mg/L	0.10	0.10	<0.10	<0.10
Zinc (Zn)-Total	mg/L	0.20	0.20	0.37	<0.20
Low Level Nonylphenols and Ethoxylates					
Nonylphenols	ug/L	10	1.0	<10	<1.0
Nonylphenol Monoethoxylates	ug/L	20	2.0	<20	<2.0
Nonylphenol Diethoxylates	ug/L	1.0	0.10	<1.0	<0.10
Octylphenol	ug/L	10	1.0	<10	<1.0
Octylphenol Monoethoxylate	ug/L	20	2.0	<20	<2.0
Octylphenol Diethoxylate	ug/L	1.0	0.10	<1.0	<0.10
Bisphenol A	ug/L	2.0	0.20	<2.0	0.30
Total Nonylphenol Ethoxylates	ug/L	20	2.0	<20	<2.0
Total Octylphenol Ethoxylate	ug/L	20	2.0	<20	<2.0

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Dioxins and Furans					
2378 TCDD	pg/L	0.93	0.48	<0.93	<0.48
12378 PeCDD	pg/L	1.4	0.65	<1.4	<0.65
123478 HxCDD	pg/L	0.79	0.38	<0.79	<0.38
123678 HxCDD	pg/L	0.69	0.32	2.57	<0.32
123789 HxCDD	pg/L	0.71	0.34	<0.71	<0.34
1234678 HpCDD	pg/L	1.6	0.71	21.1	1.20
OCDD	pg/L	3.2	0.96	145	4.72
2378 TCDF	pg/L	0.61	0.38	<0.61	<0.38
12378 PeCDF	pg/L	0.40	0.51	<0.40	<0.51
23478 PeCDF	pg/L	0.41	0.49	<0.41	<0.49
123478 HxCDF	pg/L	1.0	0.38	<1.0	<0.38
123678 HxCDF	pg/L	0.98	0.38	<0.98	<0.38
234678 HxCDF	pg/L	1.1	0.43	<1.1	<0.43
123789 HxCDF	pg/L	1.1	0.56	<1.1	<0.56
1234678 HpCDF	pg/L	1.5	0.51	5.3	<0.51
1234789 HpCDF	pg/L	1.9	0.79	<1.9	<0.79
OCDF	pg/L	2.3	0.76	14.5	<0.76
Total TCDD	pg/L	0.93	0.48	<0.93	4.29
Total PeCDD	pg/L	1.4	0.65	<1.4	<0.65
Total HxCDD	pg/L	0.79	0.38	11.1	<0.38
Total HpCDD	pg/L	1.6	0.71	38.8	0.82
Total TCDF	pg/L	0.61	0.38	<0.61	<0.38
Total PeCDF	pg/L	0.41	0.51	6.10	<0.51
Total HxCDF	pg/L	1.1	0.56	<1.1	<0.56
Total HpCDF	pg/L	1.9	0.79	11.5	<0.79
Phenoxyacid Herbicides by GC/MS					
2,4,5-TP	ug/L	50	0.50	<50	<0.50
MCPA	ug/L	50	0.50	<50	<0.50
Mecoprop	ug/L	50	0.50	<50	<0.50
2,4,5-T	ug/L	50	0.50	<50	<0.50
2,4-D	ug/L	50	0.50	<50	<0.50
2,4-DP	ug/L	50	0.50	<50	<0.50
Bromoxynil	ug/L	50	0.50	<50	<0.50
Dicamba	ug/L	50	0.50	<50	<0.50
Dinoseb	ug/L	50	0.50	<50	<0.50
Picloram	ug/L	50	0.50	<50	<0.50
PCB					
Aroclor 1016	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1221	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1232	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1242	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1248	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1254	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1260	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1262	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1268	mg/L	0.00020	0.00010	<0.00020	<0.00010
Total PCBs	mg/L	0.00060	0.00030	<0.00060	<0.00030

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1st Quarter Sampling Parameter	February 9, 2015			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Pesticides, Organochlorine					
Aldrin	ug/L	100	1.0	<100	<1.0
a-chlordane	ug/L	100	1.0	<100	<1.0
g-chlordane	ug/L	100	1.0	<100	<1.0
alpha-BHC	ug/L	100	1.0	<100	<1.0
beta-BHC	ug/L	100	1.0	<100	<1.0
delta-BHC	ug/L	100	1.0	<100	<1.0
op-DDD	ug/L	100	1.0	<100	<1.0
pp-DDD	ug/L	100	1.0	<100	<1.0
op-DDE	ug/L	100	1.0	<100	<1.0
pp-DDE	ug/L	100	1.0	<100	<1.0
op-DDT	ug/L	100	1.0	<100	<1.0
pp-DDT	ug/L	100	1.0	<100	<1.0
Dieldrin	ug/L	100	1.0	<100	<1.0
alpha-Endosulfan	ug/L	100	1.0	<100	<1.0
beta-Endosulfan	ug/L	100	1.0	<100	<1.0
Endosulfan Sulfate	ug/L	100	1.0	<100	<1.0
Endrin	ug/L	100	1.0	<100	<1.0
Endrin Aldehyde	ug/L	100	1.0	<100	<1.0
Hexachlorobenzene	ug/L	100	1.0	<100	<1.0
Heptachlor	ug/L	100	1.0	<100	<1.0
Heptachlor Epoxide	ug/L	100	1.0	<100	<1.0
Lindane	ug/L	100	1.0	<100	<1.0
Methoxychlor	ug/L	100	1.0	<100	<1.0
Mirex	ug/L	100	1.0	<100	<1.0
Oxychlordane	ug/L	100	1.0	<100	<1.0
Octachlorostyrene	ug/L	50	0.50	<50	<0.50
Toxaphene	ug/L	35	10	<35	<10
EPA 8270 Extractables					
1-Chloronaphthalene	ug/L	8.0	0.40	<8.0	<0.40
1-Methylnaphthalene	ug/L	8.0	0.40	<8.0	<0.40
1,2-Dichlorobenzene	ug/L	8.0	0.40	<8.0	<0.40
1,2,3-Trichlorobenzene	ug/L	8.0	0.40	<8.0	<0.40
1,2,4-Trichlorobenzene	ug/L	8.0	0.40	<8.0	<0.40
1,3-Dichlorobenzene	ug/L	8.0	0.40	<8.0	<0.40
1,4-Dichlorobenzene	ug/L	8.0	0.40	<8.0	<0.40
2-Chloronaphthalene	ug/L	8.0	0.40	<8.0	<0.40
2-Chlorophenol	ug/L	6.0	0.30	<6.0	<0.30
2-Methylnaphthalene	ug/L	8.0	0.40	<8.0	<0.40
2-Methylphenol	ug/L	10	0.50	<10	<0.50
2-Nitrophenol	ug/L	10	0.50	<10	<0.50
2,3,4-Trichlorophenol	ug/L	10	0.50	<10	<0.50
2,3,4,5-Tetrachlorophenol	ug/L	40	0.50	<40	<0.50
2,3,4,6-Tetrachlorophenol	ug/L	40	0.50	<40	<0.50
2,3,5-Trichlorophenol	ug/L	10	0.50	<10	<0.50
2,3,5,6-Tetrachlorophenol	ug/L	40	0.50	<40	<0.50
2,4-Dichlorophenol	ug/L	6.0	0.30	<6.0	<0.30
2,4-Dimethylphenol	ug/L	10	0.50	<10	<0.50
2,4-Dinitrophenol	ug/L	120	1.0	<120	<1.0
2,4-Dinitrotoluene	ug/L	8.0	0.40	<8.0	<0.40
2,4,5-Trichlorophenol	ug/L	10	0.50	<10	<0.50
2,4,6-Trichlorophenol	ug/L	10	0.50	<10	<0.50

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2,6-Dichlorophenol	ug/L	10	0.50	<10	<0.50
2,6-Dinitrotoluene	ug/L	8.0	0.40	<8.0	<0.40
3,3'-Dichlorobenzidine	ug/L	8.0	0.40	<8.0	<0.40
3&4-Methylphenol	ug/L	10	0.50	221	<0.50
4-Bromophenyl phenyl ether	ug/L	8.0	0.40	<8.0	<0.40
4-Chloro-3-methylphenol	ug/L	10	0.50	<10	<0.50
4-Chloroaniline	ug/L	8.0	0.40	<8.0	<0.40
4-Chlorophenyl phenyl ether	ug/L	8.0	0.40	<8.0	<0.40
4-Nitrophenol	ug/L	10	0.50	<10	<0.50
4,6-Dinitro-2-methylphenol	ug/L	100	2.0	<100	<2.0
5-Nitroacenaphthene	ug/L	10	0.40	<10	<0.40
Acenaphthene	ug/L	4.0	0.20	<4.0	<0.20
Acenaphthylene	ug/L	4.0	0.20	<4.0	<0.20
Anthracene	ug/L	4.0	0.20	<4.0	<0.20
Benzo(a)anthracene	ug/L	4.0	0.20	<4.0	<0.20
Benzo(a)pyrene	ug/L	1.0	0.050	<1.0	<0.050
Benzo(b)fluoranthene	ug/L	4.0	0.20	<4.0	<0.20
Benzo(ghi)perylene	ug/L	4.0	0.20	<4.0	<0.20
Benzo(k)fluoranthene	ug/L	4.0	0.20	<4.0	<0.20
Biphenyl	ug/L	8.0	0.40	<8.0	<0.40
Bis(2-chloroethoxy)methane	ug/L	8.0	0.40	<8.0	<0.40
Bis(2-chloroethyl)ether	ug/L	8.0	0.40	<8.0	<0.40
Bis(2-chloroisopropyl)ether	ug/L	8.0	0.40	<8.0	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	40	2.0	<40	<2.0
Butylbenzyl phthalate	ug/L	8.0	0.40	<8.0	<0.40
Camphene	ug/L	8.0	0.40	<8.0	<0.40
Chrysene	ug/L	4.0	0.20	<4.0	<0.20
Cresols, Total	ug/L	20	1.0	221	<1.0
Di-n-butylphthalate	ug/L	40	2.0	<40	<2.0
Di-n-octylphthalate	ug/L	8.0	0.40	<8.0	<0.40
Dibenzo(a,h)anthracene	ug/L	4.0	0.20	<4.0	<0.20
Dibenzofuran	ug/L	4.0	0.20	<4.0	<0.20
Diethylphthalate	ug/L	4.0	0.20	<4.0	<0.20
Dimethylphthalate	ug/L	4.0	0.20	<4.0	<0.20
Diphenyl ether	ug/L	8.0	0.40	<8.0	<0.40
Diphenylamine	ug/L	8.0	0.40	<8.0	<0.40
Fluoranthene	ug/L	4.0	0.20	<4.0	<0.20
Fluorene	ug/L	4.0	0.20	<4.0	<0.20
Hexachlorobenzene	ug/L	0.80	0.040	<0.80	<0.040
Hexachlorobutadiene	ug/L	4.0	0.20	<4.0	<0.20
Hexachlorocyclopentadiene	ug/L	8.0	0.40	<8.0	<0.40
Hexachloroethane	ug/L	8.0	0.40	<8.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	4.0	0.20	<4.0	<0.20
Indole	ug/L	80	0.40	91	<0.40
Isophorone	ug/L	8.0	0.40	<8.0	<0.40
N-Nitroso-di-n-propylamine	ug/L	8.0	0.40	<8.0	<0.40
Naphthalene	ug/L	4.0	0.20	<4.0	<0.20
Nitrobenzene	ug/L	8.0	0.40	<8.0	<0.40
Pentachlorophenol	ug/L	80	0.50	<80	<0.50
Perylene	ug/L	4.0	0.20	<4.0	<0.20
Phenanthrene	ug/L	4.0	0.20	<4.0	<0.20
Phenol	ug/L	10	0.50	62	<0.50
Pyrene	ug/L	4.0	0.20	<4.0	<0.20

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Volatile Organics plus F1					
Acetone	mg/L	0.020	0.020	0.080	<0.020
Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromodichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromoform	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromomethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
n-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
sec-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
tert-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Carbon Disulfide	mg/L	0.00050	0.00050	0.00104	<0.00050
Carbon tetrachloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chloroethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
Chloroform	mg/L	0.00050	0.00050	0.00322	0.00278
Chloromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
2-Chlorotoluene	mg/L	0.020	0.020	<0.020	<0.020
4-Chlorotoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromo-3-chloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromoethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromomethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,4-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichlorodifluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,1-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dinitropyrene	mg/L	na	na	na	na
Ethyl Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
F1	mg/L	0.10	0.10	<0.10	<0.10
Hexachlorobutadiene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Hexane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2-Hexanone	mg/L	0.020	0.020	<0.020	<0.020
Isopropylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
4-Isopropyltoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
MEK	mg/L	0.020	0.020	<0.020	<0.020
MIBK	mg/L	0.020	0.020	<0.020	<0.020
MTBE	mg/L	0.00050	0.00050	<0.00050	<0.00050
4,4'-Methylenebis(2-chloroaniline)	mg/L	na	na	na	na
Naphthalene	mg/L	0.00050	0.00050	<0.00050	<0.00050

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Styrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Tetrachloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Toluene	mg/L	0.00050	0.00050	0.00850	<0.00050
1,2,3-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichlorofluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3,5-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Vinyl chloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
m+p-Xylenes	mg/L	0.00050	0.00050	<0.00050	<0.00050
o-Xylene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Xylenes (Total)	mg/L	0.0015	0.0015	<0.0015	<0.0015

NOTES:

MDL- Method detection limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

°C - degrees Celsius

umhos/cm - microohms⁻¹/centimeter

<- less than

na - not analyzed due to contract lab error

All parameters were analyzed by contract laboratory.

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2nd Quarter Sampling Parameter	May 26, 2015		SEWPCC		
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	ug/L	1.0	1.0	<1.0	<1.0
Mercury (Hg)-Total	ng/L	1.0	1.0	272	4.4
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0467	<0.0010
Trihalomethanes (total)	mg/L	0.0010	0.0010	0.0033	0.0034
Oil and Grease (I.R.)	mg/L	1.0	1.0	6.2	<1.0
Tetraethyl Lead	ug/L	0.070	0.0070	<0.070	<0.0070
Tri-n-butyltin Cation	ug/L	0.050	0.050	<0.050	<0.050
pH unStabilized Trout Bioassay	Pass/Fail				fail
Hardness	mg/L				nr
Alkalinity	mg/L				nr
Temperature	°C				15.9
Dissolved Oxygen	mg/L				8.8
Conductivity	umhos/cm				994
pH	units				6.9
pH Stabilized Trout Bioassay	Pass/Fail				pass
Hardness	mg/L				328
Alkalinity	mg/L				335
Temperature	°C				15.0
Dissolved Oxygen	mg/L				9.3
Conductivity	umhos/cm				972
pH	units				6.66
Ammonia, Total (as N)	mg/L				36.5
Ammonia, Un-ionized (as N)	mg/L				0.05
Chlorine, Total	mg/L				0.07
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.0020	0.0020	<0.0020	<0.0020
Cadmium (Cd)-Total	mg/L	0.00010	0.00010	0.00012	<0.00010
Chromium (Cr)-Total	mg/L	0.010	0.010	<0.010	<0.010
Copper (Cu)-Total	mg/L	0.0020	0.0020	0.0783	0.00790
Lead (Pb)-Total	mg/L	0.00090	0.00090	0.00397	<0.00090
Molybdenum (Mo)-Total	mg/L	0.0020	0.0020	0.0036	0.0039
Nickel (Ni)-Total	mg/L	0.020	0.020	<0.020	<0.020
Selenium (Se)-Total	mg/L	0.010	0.010	<0.010	<0.010
Zinc (Zn)-Total	mg/L	0.020	0.020	0.122	0.059
Low Level Nonylphenols and Ethoxylates					
Nonylphenols	ug/L	1.0	1.0	<1.0	<1.0
Nonylphenol Monoethoxylates	ug/L	2.0	2.0	<2.0	<2.0
Nonylphenol Diethoxylates	ug/L	0.10	0.10	0.85	0.21
Octylphenol	ug/L	1.0	1.0	<1.0	<1.0
Octylphenol Monoethoxylate	ug/L	2.0	2.0	<2.0	<2.0
Octylphenol Diethoxylate	ug/L	0.10	0.10	0.19	0.11
Bisphenol A	ug/L	0.20	0.20	<0.20	0.24
Total Nonylphenol Ethoxylates	ug/L	2.0	2.0	<2.0	<2.0
Total Octylphenol Ethoxylate	ug/L	2.0	2.0	<2.0	<2.0

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Dioxins and Furans					
2378 TCDD	pg/L	0.42	0.25	<0.42	<0.25
12378 PeCDD	pg/L	0.44	0.35	<0.44	<0.35
123478 HxCDD	pg/L	0.36	0.24	<0.36	<0.24
123678 HxCDD	pg/L	0.29	0.21	<0.29	<0.21
123789 HxCDD	pg/L	0.32	0.22	0.62	<0.22
1234678 HpCDD	pg/L	0.22	0.34	8.80	<0.34
OCDD	pg/L	0.66	0.65	49.7	2.80
2378 TCDF	pg/L	0.29	0.21	<0.29	<0.21
12378 PeCDF	pg/L	0.27	0.30	0.32	<0.30
23478 PeCDF	pg/L	0.22	0.27	<0.22	<0.27
123478 HxCDF	pg/L	0.43	0.12	<0.43	<0.12
123678 HxCDF	pg/L	0.41	0.11	<0.41	<0.11
234678 HxCDF	pg/L	0.51	0.11	<0.51	<0.11
123789 HxCDF	pg/L	0.48	0.13	<0.48	0.38
1234678 HpCDF	pg/L	0.22	0.21	1.46	<0.21
1234789 HpCDF	pg/L	0.28	0.26	<0.28	<0.26
OCDF	pg/L	0.24	0.42	2.80	<0.42
Total TCDD	pg/L	0.42	0.25	<0.42	4.78
Total PeCDD	pg/L	0.44	0.35	4.68	<0.35
Total HxCDD	pg/L	0.36	0.24	1.99	<0.24
Total HpCDD	pg/L	0.22	0.34	8.31	<0.34
Total TCDF	pg/L	0.29	0.21	<0.29	2.17
Total PeCDF	pg/L	0.27	0.30	<0.27	<0.30
Total HxCDF	pg/L	0.51	0.13	<0.51	<0.13
Total HpCDF	pg/L	0.28	0.26	1.46	<0.26
Phenoxyacid Herbicides by GC/MS					
2,4,5-TP	ug/L	50	0.50	<50	<0.50
MCPA	ug/L	50	0.50	<50	<0.50
Mecoprop	ug/L	50	0.50	<50	<0.50
2,4,5-T	ug/L	50	0.50	<50	<0.50
2,4-D	ug/L	50	0.50	<50	0.72
2,4-DP	ug/L	50	0.50	<50	<0.50
Bromoxynil	ug/L	50	0.50	<50	<0.50
Dicamba	ug/L	50	0.50	<50	<0.50
Dinoseb	ug/L	50	0.50	<50	<0.50
Picloram	ug/L	50	0.50	<50	<0.50
PCB					
Aroclor 1016	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1221	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1232	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1242	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1248	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1254	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1260	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1262	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1268	mg/L	0.00010	0.000050	<0.00010	<0.000050
Total PCBs	mg/L	0.00030	0.00015	<0.00030	<0.00015

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Pesticides, Organochlorine					
Aldrin	ug/L	2.0	0.10	<2.0	<0.10
a-chlordane	ug/L	2.0	0.10	<2.0	<0.10
g-chlordane	ug/L	2.0	0.10	<2.0	<0.10
alpha-BHC	ug/L	2.0	0.10	<2.0	<0.10
beta-BHC	ug/L	2.0	0.10	<2.0	<0.10
delta-BHC	ug/L	2.0	0.10	<2.0	<0.10
op-DDD	ug/L	2.0	0.10	<2.0	<0.10
pp-DDD	ug/L	2.0	0.10	<2.0	<0.10
op-DDE	ug/L	3.6	0.10	<3.6	<0.10
pp-DDE	ug/L	2.0	0.10	<2.0	<0.10
op-DDT	ug/L	2.0	0.10	<2.0	<0.10
pp-DDT	ug/L	2.0	0.10	<2.0	<0.10
Dieldrin	ug/L	2.0	0.10	<2.0	<0.10
alpha-Endosulfan	ug/L	4.5	0.10	<4.5	<0.10
beta-Endosulfan	ug/L	2.0	0.10	<2.0	<0.10
Endosulfan Sulfate	ug/L	2.0	0.10	<2.0	<0.10
Endrin	ug/L	2.0	0.10	<2.0	<0.10
Endrin Aldehyde	ug/L	2.0	0.10	<2.0	<0.10
Hexachlorobenzene	ug/L	2.0	0.10	<2.0	<0.10
Heptachlor	ug/L	2.0	0.10	<2.0	<0.10
Heptachlor Epoxide	ug/L	2.0	0.10	<2.0	<0.10
Lindane	ug/L	2.0	0.10	<2.0	<0.10
Methoxychlor	ug/L	2.0	0.10	<2.0	<0.10
Mirex	ug/L	2.0	0.10	<2.0	<0.10
Oxychlordane	ug/L	2.0	0.10	<2.0	<0.10
Octachlorostyrene	ug/L	2.0	0.050	<2.0	<0.050
Toxaphene	ug/L	6.5	2.0	<6.5	<2.0
EPA 8270 Extractables					
1-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40
1-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40
1,2-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,2,3-Trichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,2,4-Trichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,3-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,4-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
2-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40
2-Chlorophenol	ug/L	3.0	0.30	<3.0	<0.30
2-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40
2-Methylphenol	ug/L	5.0	0.50	<5.0	<0.50
2-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4,5-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4,6-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,5,6-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dichlorophenol	ug/L	3.0	0.30	<3.0	<0.30
2,4-Dimethylphenol	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dinitrophenol	ug/L	20	2.0	<20	<2.0
2,4-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40
2,4,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,4,6-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50

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	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
				Grab	Grab
2,6-Dichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,6-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40
3,3'-Dichlorobenzidine	ug/L	4.0	0.40	<4.0	<0.40
3&4-Methylphenol	ug/L	50	0.50	145	<0.50
4-Bromophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Chloro-3-methylphenol	ug/L	5.0	0.50	<5.0	<0.50
4-Chloroaniline	ug/L	4.0	0.40	<4.0	<0.40
4-Chlorophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
4,6-Dinitro-2-methylphenol	ug/L	20	2.0	<20	<2.0
5-Nitroacenaphthene	ug/L	4.0	0.40	<4.0	<0.40
Acenaphthene	ug/L	2.0	0.20	<2.0	<0.20
Acenaphthylene	ug/L	2.0	0.20	<2.0	<0.20
Anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)pyrene	ug/L	0.50	0.050	<0.50	<0.050
Benzo(b)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(ghi)perylene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(k)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Biphenyl	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethoxy)methane	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroisopropyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	20	2.0	<20	<2.0
Butylbenzyl phthalate	ug/L	4.0	0.40	<4.0	<0.40
Camphene	ug/L	4.0	0.40	<4.0	<0.40
Chrysene	ug/L	2.0	0.20	<2.0	<0.20
Cresols, Total	ug/L	55	1.0	145	<1.0
Di-n-butylphthalate	ug/L	20	2.0	<20	<2.0
Di-n-octylphthalate	ug/L	4.0	0.40	<4.0	<0.40
Dibenzo(a,h)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Dibenzofuran	ug/L	2.0	0.20	<2.0	<0.20
Diethylphthalate	ug/L	2.0	0.20	3.1	<0.20
Dimethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Diphenyl ether	ug/L	4.0	0.40	<4.0	<0.40
Diphenylamine	ug/L	4.0	0.40	<4.0	<0.40
Fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Fluorene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorobenzene	ug/L	0.40	0.040	<0.40	<0.040
Hexachlorobutadiene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorocyclopentadiene	ug/L	4.0	0.40	<4.0	<0.40
Hexachloroethane	ug/L	4.0	0.40	<4.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	2.0	0.20	<2.0	<0.20
Indole	ug/L	30	0.40	35	<0.40
Isophorone	ug/L	4.0	0.40	<4.0	<0.40
N-Nitroso-di-n-propylamine	ug/L	4.0	0.40	<4.0	<0.40
Naphthalene	ug/L	2.0	0.20	<2.0	<0.20
Nitrobenzene	ug/L	4.0	0.40	<4.0	<0.40
Pentachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
Perylene	ug/L	2.0	0.20	<2.0	<0.20
Phenanthrene	ug/L	2.0	0.20	<2.0	<0.20
Phenol	ug/L	5.0	0.50	34.3	<0.50
Pyrene	ug/L	2.0	0.20	<2.0	<0.20

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2nd Quarter Sampling Parameter	May 26, 2015			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Volatile Organics plus F1					
Acetone	mg/L	0.020	0.020	0.069	<0.020
Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromodichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromoform	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromomethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
n-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
sec-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
tert-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Carbon Disulfide	mg/L	0.00050	0.00050	0.00067	<0.00050
Carbon tetrachloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chloroethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
Chloroform	mg/L	0.00050	0.00050	0.00327	0.00340
Chloromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
2-Chlorotoluene	mg/L	0.020	0.020	<0.020	<0.020
4-Chlorotoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromo-3-chloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromoethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromomethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,4-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichlorodifluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,1-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichloromethane	mg/L	0.00050	0.00050	<0.00050	0.00072
1,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dinitropyrene	mg/L	na	na	na	na
Ethyl Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
F1	mg/L	0.10	0.10	<0.10	<0.10
Hexachlorobutadiene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Hexane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2-Hexanone	mg/L	0.020	0.020	<0.020	<0.020
Isopropylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
4-Isopropyltoluene	mg/L	0.0010	0.0020	<0.0010	<0.0020
MEK	mg/L	0.020	0.020	<0.020	<0.020
MIBK	mg/L	0.020	0.020	<0.020	<0.020
MTBE	mg/L	0.00050	0.00050	<0.00050	<0.00050
4,4'-Methylenebis(2-chloroaniline)	mg/L	na	na	na	na
Naphthalene	mg/L	0.00050	0.00050	<0.00050	<0.00050

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Styrene	mg/L	0.00050	0.00050	0.00101	<0.00050
1,1,1,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Tetrachloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Toluene	mg/L	0.00050	0.00050	0.00331	<0.00050
1,2,3-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichlorofluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3,5-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Vinyl chloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
m+p-Xylenes	mg/L	0.00050	0.00050	<0.00050	<0.00050
o-Xylene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Xylenes (Total)	mg/L	0.0015	0.0015	<0.0015	<0.0015

NOTES:

MDL- Method detection limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

°C - degrees Celsius

umhos/cm - microohms⁻¹/centimeter

<- less than

na - not analyzed due to contract lab error

nr - no result provided by contract lab

All parameters were analyzed by contract laboratory.

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3rd Quarter Sampling Parameter	September 2, 2015			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	ug/L	1.0	1.0	1.2	<1.0
Mercury (Hg)-Total	ng/L	1.0	1.0	78.4	4.2
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0471	0.0019
Trihalomethanes (total)	mg/L	0.0010	0.0010	0.0042	0.0038
Oil and Grease (I.R.)	mg/L	5.0	5.0	146	<5.0
Tetraethyl Lead	ug/L	0.070	0.0070	<0.070	<0.0070
Tri-n-butyltin Cation	ug/L	0.055	0.052	<0.055	<0.052
pH unStabilized Trout Bioassay	Pass/Fail				fail
Hardness	mg/L				270
Alkalinity	mg/L				290
Temperature	°C				14.5
Dissolved Oxygen	mg/L				8.13
Conductivity	umhos/cm				1096
pH	units		0.10		6.66
pH Stabilized Trout Bioassay	Pass/Fail				fail
Hardness	mg/L				270
Alkalinity	mg/L				280
Temperature	°C				14.5
Dissolved Oxygen	mg/L				8.61
Conductivity	umhos/cm				1113
pH	units		0.10		6.42
Ammonia, Total (as N)	mg/L		1.0		27.8
Ammonia, Un-ionized (as N)	mg/L		0.010		0.019
Chlorine, Total	mg/L		0.10		<0.10
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00151	0.00081
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000188	0.000015
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0088	<0.0010
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.0981	0.0115
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00934	0.000437
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00356	0.00280
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0107	0.0052
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0011	<0.0010
Zinc (Zn)-Total	mg/L	0.0020	0.0020	0.165	0.0334
Low Level Nonylphenols and Ethoxylates					
Nonylphenols	ug/L	10	1.0	<10	<1.0
Nonylphenol Monoethoxylates	ug/L	20	2.0	<20	<2.0
Nonylphenol Diethoxylates	ug/L	1.0	0.10	<1.0	0.33
Octylphenol	ug/L	10	1.0	<10	<1.0
Octylphenol Monoethoxylate	ug/L	20	2.0	<20	<2.0
Octylphenol Diethoxylate	ug/L	1.0	0.10	<1.0	0.13
Bisphenol A	ug/L	2.0	0.20	<2.0	0.33
Total Nonylphenol Ethoxylates	ug/L	20	2.0	<20	<2.0
Total Octylphenol Ethoxylate	ug/L	20	2.0	<20	<2.0

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Dioxins and Furans					
2378 TCDD	pg/L	0.45	0.37	<0.45	0.71
12378 PeCDD	pg/L	0.42	0.21	<0.42	<0.21
123478 HxCDD	pg/L	0.36	0.26	<0.36	<0.26
123678 HxCDD	pg/L	0.34	0.26	<0.34	<0.26
123789 HxCDD	pg/L	0.35	0.26	0.43	0.35
1234678 HpCDD	pg/L	0.39	0.21	10.2	0.57
OCDD	pg/L	0.53	0.21	83.6	2.82
2378 TCDF	pg/L	0.45	0.31	<0.45	<0.31
12378 PeCDF	pg/L	0.27	0.22	0.32	0.48
23478 PeCDF	pg/L	0.23	0.20	0.27	<0.20
123478 HxCDF	pg/L	0.35	0.12	<0.35	0.20
123678 HxCDF	pg/L	0.31	0.11	<0.31	0.18
234678 HxCDF	pg/L	0.40	0.12	<0.40	0.18
123789 HxCDF	pg/L	0.43	0.15	<0.43	0.51
1234678 HpCDF	pg/L	0.26	0.17	1.90	<0.17
1234789 HpCDF	pg/L	0.33	0.23	<0.33	<0.23
OCDF	pg/L	0.33	0.24	3.19	0.44
Total TCDD	pg/L	0.45	0.37	<0.45	2.02
Total PeCDD	pg/L	0.42	0.21	1.22	<0.21
Total HxCDD	pg/L	0.36	0.26	<0.36	0.35
Total HpCDD	pg/L	0.39	0.21	20.9	0.62
Total TCDF	pg/L	0.45	0.31	<0.45	<0.31
Total PeCDF	pg/L	0.27	0.22	<0.27	0.48
Total HxCDF	pg/L	0.43	0.15	1.92	0.56
Total HpCDF	pg/L	0.33	0.23	4.43	<0.23
Phenoxyacid Herbicides by GC/MS					
2,4,5-TP	ug/L	2.5	0.50	<2.5	<0.50
MCPA	ug/L	2.5	0.50	<2.5	<0.50
Mecoprop	ug/L	2.5	0.50	<2.5	<0.50
2,4,5-T	ug/L	2.5	0.50	<2.5	<0.50
2,4-D	ug/L	2.5	0.50	<2.5	<0.50
2,4-DP	ug/L	2.5	0.50	<2.5	<0.50
Bromoxynil	ug/L	2.5	0.50	<2.5	<0.50
Dicamba	ug/L	2.5	0.50	<2.5	<0.50
Dinoseb	ug/L	2.5	0.50	<2.5	<0.50
Picloram	ug/L	2.5	0.50	<2.5	<0.50
PCB					
Aroclor 1016	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1221	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1232	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1242	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1248	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1254	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1260	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1262	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1268	mg/L	0.00010	0.00010	<0.00010	<0.00010
Total PCBs	mg/L	0.00030	0.00030	<0.00030	<0.00030

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3rd Quarter Sampling	September 2, 2015			SEWPCC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Pesticides, Organochlorine						
Aldrin	ug/L	5.0	1.0	<5.0	<1.0	
a-chlordane	ug/L	5.0	1.0	<5.0	<1.0	
g-chlordane	ug/L	5.0	1.0	<5.0	<1.0	
alpha-BHC	ug/L	5.0	1.0	<5.0	<1.0	
beta-BHC	ug/L	5.0	1.0	<5.0	<1.0	
delta-BHC	ug/L	5.0	1.0	<5.0	<1.0	
op-DDD	ug/L	5.0	1.0	<5.0	<1.0	
pp-DDD	ug/L	5.0	1.0	<5.0	<1.0	
op-DDE	ug/L	5.0	1.0	<5.0	<1.0	
pp-DDE	ug/L	5.0	1.0	<5.0	<1.0	
op-DDT	ug/L	5.0	1.0	<5.0	<1.0	
pp-DDT	ug/L	5.0	1.0	<5.0	<1.0	
Dieldrin	ug/L	36	1.0	<36	<1.0	
alpha-Endosulfan	ug/L	19	1.0	<19	<1.0	
beta-Endosulfan	ug/L	5.0	1.0	<5.0	<1.0	
Endosulfan Sulfate	ug/L	5.0	1.0	<5.0	<1.0	
Endrin	ug/L	5.0	1.0	<5.0	<1.0	
Endrin Aldehyde	ug/L	5.0	1.0	<5.0	<1.0	
Hexachlorobenzene	ug/L	5.0	1.0	<5.0	<1.0	
Heptachlor	ug/L	5.0	1.0	<5.0	<1.0	
Heptachlor Epoxide	ug/L	5.0	1.0	<5.0	<1.0	
Lindane	ug/L	5.0	1.0	<5.0	<1.0	
Methoxychlor	ug/L	5.0	1.0	<5.0	<1.0	
Mirex	ug/L	5.0	1.0	<5.0	<1.0	
Oxychlordane	ug/L	5.0	1.0	<5.0	<1.0	
Octachlorostyrene	ug/L	2.5	0.50	<2.5	<0.50	
Toxaphene	ug/L	34	15	<34	<15	
EPA 8270 Extractables						
1-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40	
1-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40	
1,2-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40	
1,2,3-Trichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40	
1,2,4-Trichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40	
1,3-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40	
1,4-Dichlorobenzene	ug/L	4.0	0.40	<4.0	0.46	
2-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40	
2-Chlorophenol	ug/L	3.0	0.30	<3.0	<0.30	
2-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40	
2-Methylphenol	ug/L	5.0	0.50	<5.0	<0.50	
2-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50	
2,3,4-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50	
2,3,4,5-Tetrachlorophenol	ug/L	10	1.0	<10	<1.0	
2,3,4,6-Tetrachlorophenol	ug/L	10	1.0	<10	<1.0	
2,3,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50	
2,3,5,6-Tetrachlorophenol	ug/L	10	1.0	<10	<1.0	
2,4-Dichlorophenol	ug/L	3.0	0.30	<3.0	<0.30	
2,4-Dimethylphenol	ug/L	5.0	0.50	<5.0	<0.50	
2,4-Dinitrophenol	ug/L	10	1.0	15	<1.0	
2,4-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40	
2,4,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50	
2,4,6-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50	

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	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
				Grab	Grab
2,6-Dichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,6-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40
3,3'-Dichlorobenzidine	ug/L	4.0	0.40	<4.0	<0.40
3&4-Methylphenol	ug/L	5.0	0.50	60	<0.50
4-Bromophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Chloro-3-methylphenol	ug/L	5.0	0.50	<5.0	<0.50
4-Chloroaniline	ug/L	4.0	0.40	<4.0	<0.40
4-Chlorophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
4,6-Dinitro-2-methylphenol	ug/L	20	2.0	<20	<2.0
5-Nitroacenaphthene	ug/L	4.0	0.40	<4.0	<0.40
Acenaphthene	ug/L	2.0	0.20	<2.0	<0.20
Acenaphthylene	ug/L	2.0	0.20	<2.0	<0.20
Anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)pyrene	ug/L	0.50	0.050	<0.50	<0.050
Benzo(b)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(ghi)perylene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(k)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Biphenyl	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethoxy)methane	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroisopropyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	20	2.0	<20	<2.0
Butylbenzyl phthalate	ug/L	4.0	0.40	13.7	<0.40
Camphene	ug/L	4.0	0.40	<4.0	<0.40
Chrysene	ug/L	2.0	0.20	<2.0	<0.20
Cresols, Total	ug/L	10	1.0	60	<1.0
Di-n-butylphthalate	ug/L	20	2.0	<20	<2.0
Di-n-octylphthalate	ug/L	4.0	0.40	<4.0	<0.40
Dibenzo(a,h)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Dibenzofuran	ug/L	2.0	0.20	<2.0	<0.20
Diethylphthalate	ug/L	2.0	0.20	2.3	<0.20
Dimethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Diphenyl ether	ug/L	4.0	0.40	<4.0	<0.40
Diphenylamine	ug/L	4.0	0.40	<4.0	<0.40
Fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Fluorene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorobenzene	ug/L	0.40	0.040	<0.40	<0.040
Hexachlorobutadiene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorocyclopentadiene	ug/L	4.0	0.40	<4.0	<0.40
Hexachloroethane	ug/L	4.0	0.40	<4.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	2.0	0.20	<2.0	<0.20
Indole	ug/L	4.0	0.40	7.7	<0.40
Isophorone	ug/L	4.0	0.40	<4.0	<0.40
N-Nitroso-di-n-propylamine	ug/L	4.0	0.40	<4.0	<0.40
Naphthalene	ug/L	2.0	0.20	<2.0	<0.20
Nitrobenzene	ug/L	4.0	0.40	<4.0	<0.40
Pentachlorophenol	ug/L	10	1.00	<10	<1.0
Perylene	ug/L	2.0	0.20	<2.0	<0.20
Phenanthrene	ug/L	2.0	0.20	<2.0	<0.20
Phenol	ug/L	5.0	0.50	24.2	<0.50
Pyrene	ug/L	2.0	0.20	<2.0	<0.20

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	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Volatile Organics plus F1						
Acetone	mg/L	0.020	0.020	0.043	<0.020	
Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Bromobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Bromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Bromodichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Bromoform	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Bromomethane	mg/L	0.0010	0.0010	<0.0010	<0.0010	
n-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
sec-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
tert-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Carbon Disulfide	mg/L	0.0010	0.0010	<0.0010	<0.0010	
Carbon tetrachloride	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Chlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Chloroethane	mg/L	0.0010	0.0010	<0.0010	<0.0010	
Chloroform	mg/L	0.00050	0.00050	0.00418	0.00375	
Chloromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010	
2-Chlorotoluene	mg/L	0.020	0.020	<0.020	<0.020	
4-Chlorotoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Dibromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,2-Dibromo-3-chloropropane	mg/L	0.0010	0.0010	<0.0010	<0.0010	
1,2-Dibromoethane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Dibromomethane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,2-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,3-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,4-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	0.00056	
Dichlorodifluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010	
1,1-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,2-Dichloroethane	mg/L	0.0010	0.0010	<0.0010	<0.0010	
1,1-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
cis-1,2-Dichloroethene	mg/L	0.0010	0.0010	<0.0010	<0.0010	
trans-1,2-Dichloroethene	mg/L	0.0010	0.0010	<0.0010	<0.0010	
Dichloromethane	mg/L	0.00050	0.00150	<0.00050	<0.0015	
1,2-Dichloropropane	mg/L	0.0010	0.0010	<0.0010	<0.0010	
1,3-Dichloropropane	mg/L	0.0010	0.0010	<0.0010	<0.0010	
2,2-Dichloropropane	mg/L	0.0010	0.0010	<0.0010	<0.0010	
1,1-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
cis-1,3-Dichloropropene	mg/L	0.0010	0.0010	<0.0010	<0.0010	
trans-1,3-Dichloropropene	mg/L	0.0010	0.0010	<0.0010	<0.0010	
Dinitropyrene	mg/L	na	na	na	na	
Ethyl Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
F1	mg/L	0.10	0.10	<0.10	<0.10	
Hexachlorobutadiene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Hexane	mg/L	0.0010	0.0010	<0.0010	<0.0010	
2-Hexanone	mg/L	0.020	0.020	<0.020	<0.020	
Isopropylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
4-Isopropyltoluene	mg/L	0.0010	0.0010	<0.0010	<0.0010	
MEK	mg/L	0.020	0.020	<0.020	<0.020	
MIBK	mg/L	0.020	0.020	<0.020	<0.020	
MTBE	mg/L	0.00050	0.00050	<0.00050	<0.00050	
4,4'-Methylenebis(2-chloroaniline)	mg/L	na	na	na	na	
Naphthalene	mg/L	0.0010	0.0010	<0.0010	<0.0010	

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Styrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Tetrachloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Toluene	mg/L	0.00050	0.00050	0.00209	<0.00050
1,2,3-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichlorofluoromethane	mg/L	0.0020	0.0020	<0.0020	<0.0020
1,2,3-Trichloropropane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,2,4-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3,5-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Vinyl chloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
m+p-Xylenes	mg/L	0.00050	0.00050	<0.00050	<0.00050
o-Xylene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Xylenes (Total)	mg/L	0.0015	0.0015	<0.0015	<0.0015

NOTES:

MDL- Method detection limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

°C - degrees Celsius

umhos/cm - microohms⁻¹/centimeter

<- less than

na - not analyzed due to contract lab error

All parameters were analyzed by contract laboratory.

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4th Quarter Sampling Parameter	November 24, 2015			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	ug/L	1.0	1.0	<1.0	<1.0
Mercury (Hg)-Total	ng/L	0.50	1.0	232	16
Phenols (4AAP)	mg/L	0.050	0.0010	0.074	0.0061
Trihalomethanes (total)	mg/L	0.0010	0.0010	0.0029	0.0023
Oil and Grease (I.R.)	mg/L	50	5.0	151	<5.0
Tetraethyl Lead	ug/L	0.28	0.0070	<0.28	<0.0070
Tri-n-butyltin Cation	ug/L	0.053	0.052	<0.053	<0.052
pH unStabilized Trout Bioassay	Pass/Fail				fail
Hardness	mg/L				230
Alkalinity	mg/L				300
Temperature	°C				14.6
Dissolved Oxygen	mg/L				7.47
Conductivity	umhos/cm				1512
pH	units		0.10		6.75
pH Stabilized Trout Bioassay	Pass/Fail				pass
Hardness	mg/L				250
Alkalinity	mg/L				270
Temperature	°C				16.2
Dissolved Oxygen	mg/L				7.06
Conductivity	umhos/cm				1549
pH	units		0.10		6.72
Ammonia, Total (as N)	mg/L		1.0		33.5
Ammonia, Un-ionized (as N)	mg/L		0.010		0.052
Chlorine, Total	mg/L		0.10		<0.10
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00102	0.00128
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000177	0.000062
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0032	0.0021
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.126	0.0186
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00315	0.00191
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00303	0.00211
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0089	0.0079
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0011	<0.0010
Zinc (Zn)-Total	mg/L	0.0020	0.0020	0.186	0.0523
Low Level Nonylphenols and Ethoxylates					
Nonylphenols	ug/L	1.0	1.0	1.2	<1.0
Nonylphenol Monoethoxylates	ug/L	2.0	2.0	4.4	<2.0
Nonylphenol Diethoxylates	ug/L	0.10	0.10	2.16	0.21
Octylphenol	ug/L	1.0	1.0	<1.0	<1.0
Octylphenol Monoethoxylate	ug/L	2.0	2.0	<2.0	<2.0
Octylphenol Diethoxylate	ug/L	0.10	0.10	0.30	<0.10
Bisphenol A	ug/L	0.20	0.20	0.25	0.34
Total Nonylphenol Ethoxylates	ug/L	2.0	2.0	6.6	<2.0
Total Octylphenol Ethoxylate	ug/L	2.0	2.0	<2.0	<2.0

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4th Quarter Sampling Parameter	November 24, 2015			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Dioxins and Furans					
2378 TCDD	pg/L	1.2	1.3	<1.2	<1.3
12378 PeCDD	pg/L	2.5	0.63	<2.5	<0.63
123478 HxCDD	pg/L	1.1	0.60	<1.1	<0.60
123678 HxCDD	pg/L	0.96	0.56	<0.96	<0.56
123789 HxCDD	pg/L	1.0	0.57	<1.0	<0.57
1234678 HpCDD	pg/L	0.78	0.49	12	0.80
OCDD	pg/L	0.72	0.57	103	3.70
2378 TCDF	pg/L	0.73	1.20	<0.73	<1.2
12378 PeCDF	pg/L	0.66	0.64	<0.66	<0.64
23478 PeCDF	pg/L	0.63	0.57	<0.63	<0.57
123478 HxCDF	pg/L	1.9	0.44	<1.9	<0.44
123678 HxCDF	pg/L	1.7	0.40	<1.7	<0.40
234678 HxCDF	pg/L	1.9	0.40	<1.9	<0.40
123789 HxCDF	pg/L	1.9	0.60	<1.9	<0.60
1234678 HpCDF	pg/L	0.79	0.34	1.50	<0.34
1234789 HpCDF	pg/L	0.80	0.56	1.21	<0.56
OCDF	pg/L	0.57	0.53	5.30	<0.53
Total TCDD	pg/L	1.2	1.3	2.2	<1.3
Total PeCDD	pg/L	2.5	0.63	<2.5	<0.63
Total HxCDD	pg/L	1.1	0.60	<1.1	<0.60
Total HpCDD	pg/L	0.78	0.49	12.5	1.42
Total TCDF	pg/L	0.73	1.2	<0.73	<1.2
Total PeCDF	pg/L	0.66	0.64	<0.66	<0.64
Total HxCDF	pg/L	1.9	0.60	<1.9	<0.60
Total HpCDF	pg/L	0.80	0.56	3.71	<0.56
Phenoxyacid Herbicides by GC/MS					
2,4,5-TP	ug/L	5.0	5.0	<5.0	<5.0
MCPA	ug/L	5.0	5.0	<5.0	<5.0
Mecoprop	ug/L	5.0	5.0	<5.0	<5.0
2,4,5-T	ug/L	5.0	5.0	<5.0	<5.0
2,4-D	ug/L	5.0	5.0	<5.0	<5.0
2,4-DP	ug/L	5.0	5.0	<5.0	<5.0
Bromoxynil	ug/L	5.0	5.0	<5.0	<5.0
Dicamba	ug/L	13	13	<13	<13
Dinoseb	ug/L	5.0	5.0	<5.0	<5.0
Picloram	ug/L	5.0	5.0	<5.0	<5.0
PCB					
Aroclor 1016	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1221	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1232	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1242	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1248	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1254	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1260	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1262	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1268	mg/L	0.00010	0.00010	<0.00010	<0.00010
Total PCBs	mg/L	0.00030	0.00030	<0.00030	<0.00030

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4th Quarter Sampling Parameter	November 24, 2015			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Pesticides, Organochlorine					
Aldrin	ug/L	4.0	0.10	<4.0	<0.10
a-chlordane	ug/L	4.0	0.10	<4.0	<0.10
g-chlordane	ug/L	4.0	0.10	<4.0	<0.10
alpha-BHC	ug/L	4.0	0.10	<4.0	<0.10
beta-BHC	ug/L	4.0	0.10	<4.0	<0.10
delta-BHC	ug/L	4.0	0.10	<4.0	<0.10
op-DDD	ug/L	12	0.10	<12	<0.10
pp-DDD	ug/L	4.0	0.10	<4.0	<0.10
op-DDE	ug/L	140	0.10	<140	<0.10
pp-DDE	ug/L	4.0	0.10	<4.0	<0.10
op-DDT	ug/L	40	0.10	<40	<0.10
pp-DDT	ug/L	40	0.10	<40	<0.10
Dieldrin	ug/L	40	0.10	<40	<0.10
alpha-Endosulfan	ug/L	40	0.10	<40	<0.10
beta-Endosulfan	ug/L	4.8	0.10	<4.8	<0.10
Endosulfan Sulfate	ug/L	4.0	0.10	<4.0	<0.10
Endrin	ug/L	4.0	0.10	<4.0	<0.10
Endrin Aldehyde	ug/L	4.0	0.10	<4.0	<0.10
Hexachlorobenzene	ug/L	4.0	0.10	<4.0	<0.10
Heptachlor	ug/L	4.0	0.10	<4.0	<0.10
Heptachlor Epoxide	ug/L	4.0	0.10	<4.0	<0.10
Lindane	ug/L	4.0	0.10	<4.0	<0.10
Methoxychlor	ug/L	40	0.10	<40	<0.10
Mirex	ug/L	4.0	0.10	<4.0	<0.10
Oxychlordane	ug/L	4.0	0.20	<4.0	<0.20
Octachlorostyrene	ug/L	20	0.050	<20	<0.050
Toxaphene	ug/L	14	4.0	<14	<4.0
EPA 8270 Extractables					
1-Chloronaphthalene	ug/L	200	20	<200	<20
1-Methylnaphthalene	ug/L	200	20	<200	<20
1,2-Dichlorobenzene	ug/L	200	20	<200	<20
1,2,3-Trichlorobenzene	ug/L	200	20	<200	<20
1,2,4-Trichlorobenzene	ug/L	200	20	<200	<20
1,3-Dichlorobenzene	ug/L	200	20	<200	<20
1,4-Dichlorobenzene	ug/L	200	20	<200	<20
2-Chloronaphthalene	ug/L	200	20	<200	<20
2-Chlorophenol	ug/L	150	15	<150	<15
2-Methylnaphthalene	ug/L	200	20	<200	<20
2-Methylphenol	ug/L	250	25	<250	<25
2-Nitrophenol	ug/L	250	25	<250	<25
2,3,4-Trichlorophenol	ug/L	250	25	<250	<25
2,3,4,5-Tetrachlorophenol	ug/L	250	25	<250	<25
2,3,4,6-Tetrachlorophenol	ug/L	250	25	<250	<25
2,3,5-Trichlorophenol	ug/L	250	25	<250	<25
2,3,5,6-Tetrachlorophenol	ug/L	250	25	<250	<25
2,4-Dichlorophenol	ug/L	150	15	<150	<15
2,4-Dimethylphenol	ug/L	250	25	<250	<25
2,4-Dinitrophenol	ug/L	500	50	<500	<50
2,4-Dinitrotoluene	ug/L	200	20	<200	<20
2,4,5-Trichlorophenol	ug/L	250	25	<250	<25
2,4,6-Trichlorophenol	ug/L	250	25	<250	<25

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4th Quarter Sampling Parameter	November 24, 2015			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
				Grab	Grab
2,6-Dichlorophenol	ug/L	250	25	<250	<25
2,6-Dinitrotoluene	ug/L	200	20	<200	<20
3,3'-Dichlorobenzidine	ug/L	1000	100	<1000	<100
3&4-Methylphenol	ug/L	250	25	<250	<25
4-Bromophenyl phenyl ether	ug/L	200	20	<200	<20
4-Chloro-3-methylphenol	ug/L	250	25	<250	<25
4-Chloroaniline	ug/L	1000	100	<1000	<100
4-Chlorophenyl phenyl ether	ug/L	200	20	<200	<20
4-Nitrophenol	ug/L	250	25	<250	<25
4,6-Dinitro-2-methylphenol	ug/L	1000	100	<1000	<100
5-Nitroacenaphthene	ug/L	200	20	<200	<20
Acenaphthene	ug/L	100	10	<100	<10
Acenaphthylene	ug/L	100	10	<100	<10
Anthracene	ug/L	100	10	<100	<10
Benzo(a)anthracene	ug/L	100	10	<100	<10
Benzo(a)pyrene	ug/L	25	2.5	<25	<2.5
Benzo(b)fluoranthene	ug/L	100	10	<100	<10
Benzo(ghi)perylene	ug/L	100	10	<100	<10
Benzo(k)fluoranthene	ug/L	100	10	<100	<10
Biphenyl	ug/L	200	20	<200	<20
Bis(2-chloroethoxy)methane	ug/L	200	20	<200	<20
Bis(2-chloroethyl)ether	ug/L	200	20	<200	<20
Bis(2-chloroisopropyl)ether	ug/L	200	20	<200	<20
Bis(2-ethylhexyl)phthalate	ug/L	1000	100	<1000	<100
Butylbenzyl phthalate	ug/L	200	20	<200	<20
Camphene	ug/L	200	20	<200	<20
Chrysene	ug/L	100	10	<100	<10
Cresols, Total	ug/L	500	50	<500	<50
Di-n-butylphthalate	ug/L	1000	100	<1000	<100
Di-n-octylphthalate	ug/L	200	20	<200	<20
Dibenzo(a,h)anthracene	ug/L	100	10	<100	<10
Dibenzofuran	ug/L	100	10	<100	<10
Diethylphthalate	ug/L	100	10	<100	<10
Dimethylphthalate	ug/L	100	10	<100	<10
Diphenyl ether	ug/L	200	20	<200	<20
Diphenylamine	ug/L	200	20	<200	<20
Fluoranthene	ug/L	100	10	<100	<10
Fluorene	ug/L	100	10	<100	<10
Hexachlorobenzene	ug/L	20	2.0	<20	<2.0
Hexachlorobutadiene	ug/L	100	10	<100	<10
Hexachlorocyclopentadiene	ug/L	200	20	<200	<20
Hexachloroethane	ug/L	200	20	<200	<20
Indeno(1,2,3-cd)pyrene	ug/L	100	10	<100	<10
Indole	ug/L	200	20	<200	<20
Isophorone	ug/L	200	20	<200	<20
N-Nitroso-di-n-propylamine	ug/L	200	20	<200	<20
Naphthalene	ug/L	100	10	<100	<10
Nitrobenzene	ug/L	200	20	<200	<20
Pentachlorophenol	ug/L	250	25	<250	<25
Perylene	ug/L	100	10	<100	<10
Phenanthrene	ug/L	100	10	<100	<10
Phenol	ug/L	250	75	<250	<75
Pyrene	ug/L	100	10	<100	<10

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4th Quarter Sampling Parameter	November 24, 2015			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Volatile Organics plus F1					
Acetone	mg/L	0.020	0.020	0.061	<0.020
Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromodichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromoform	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromomethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
n-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
sec-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
tert-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Carbon Disulfide	mg/L	0.00050	0.00050	0.00099	<0.00050
Carbon tetrachloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chloroethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
Chloroform	mg/L	0.00050	0.00050	0.00287	0.00226
Chloromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
2-Chlorotoluene	mg/L	0.020	0.020	<0.020	<0.020
4-Chlorotoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromo-3-chloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromoethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromomethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,4-Dichlorobenzene	mg/L	0.00050	0.00050	0.00098	0.00053
Dichlorodifluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,1-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dinitropyrene	mg/L	na	na	na	na
Ethyl Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
F1	mg/L	0.10	0.10	<0.10	<0.10
Hexachlorobutadiene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Hexane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2-Hexanone	mg/L	0.020	0.020	<0.020	<0.020
Isopropylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
4-Isopropyltoluene	mg/L	0.0010	0.0010	<0.0010	<0.0010
MEK	mg/L	0.020	0.020	<0.020	<0.020
MIBK	mg/L	0.020	0.020	<0.020	<0.020
MTBE	mg/L	0.00050	0.00050	<0.00050	<0.00050
4,4'-Methylenebis(2-chloroaniline)	mg/L	na	na	na	na
Naphthalene	mg/L	0.00050	0.00050	<0.00050	<0.00050

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4th Quarter Sampling Parameter	November 24, 2015			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Styrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Tetrachloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Toluene	mg/L	0.00050	0.00050	0.00282	<0.00050
1,2,3-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichlorofluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3,5-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Vinyl chloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
m+p-Xylenes	mg/L	0.00050	0.00050	<0.00050	<0.00050
o-Xylene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Xylenes (Total)	mg/L	0.0015	0.0015	<0.0015	<0.0015

NOTES:

MDL- Method detection limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

°C - degrees Celsius

umhos/cm - microohms⁻¹/centimeter

<- less than

na - not analyzed due to contract lab error

All parameters were analyzed by contract laboratory.