

City Of Winnipeg
Water Waste Department

South End Water Pollution Control Centre Quarterly Monitoring Report

1'st Quarter Sampling		March 29, 2007			SEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
Miscellaneous						
Chromium, Hexavalent	mg/L	0.001	0.001	<0.001	<0.001	
Mercury (Hg)-Total	ng/L	0.5	0.5	130	22	
Toxaphene	mg/L	0.0001	0.0001	<0.0001	<0.0001	
Phenols (4AAP)	mg/L	0.001	0.001	0.025	0.011	
Tributyltin	ug/L	<0.05	<0.05	0.05	0.05	
Tetraethyl Lead	ug/L	<0.05	<0.05	0.05	0.05	
Total Oil and Grease	mg/L	1	1	36	3	
Trout Bioassay	Pass/Fail			NA	Pass	
Total Metals*						
Arsenic, Total	mg/L	0.001	0.001	0.002	0.001	
Cadmium, Total	mg/L	0.001	0.001	<0.001	<0.001	
Chromium, Total	mg/L	0.001	0.001	0.023	0.004	
Copper, Total	mg/L	0.001	0.001	0.249	0.053	
Molybdenum, Total	mg/L	NA	NA	NA	NA	
Nickel, Total	mg/L	0.001	0.001	0.018	0.013	
Lead, Total	mg/L	0.001	0.001	0.007	0.001	
Selenium, Total	mg/L	NA	NA	NA	NA	
Zinc, Total	mg/L	0.003	0.003	0.266	0.083	
Dioxins and Furans						
2378 TeCDD	pg/L	0.1	0.1	<0.10	<0.10	
12378 PeCDD	pg/L	0.1	0.1	<0.10	0.62	
123478 HxCDD	pg/L	0.1	0.1	0.86	0.48	
123678 HxCDD	pg/L	0.1	0.1	1.5	0.71	
123789 HxCDD	pg/L	0.1	0.1	1.6	0.92	
1234678 HpCDD	pg/L	0.1	0.1	27	5.1	
OCDD	pg/L	0.2	0.1	370	40	
Total TCDD	pg/L	0.1	0.1	<0.10	<0.10	
Total PeCDD	pg/L	0.1	0.1	<0.10	0.63	
Total HxCDD	pg/L	0.1	0.1	9.9	2.3	
Total HpCDD	pg/L	0.1	0.1	62	11	
Total PCDDs	pg/L	0.2	0.1	440	54	
2378 TeCDF	pg/L	0.1	0.1	<0.10	<0.10	
12378 PeCDF	pg/L	0.6	0.6	<0.60	0.88	
23478 PeCDF	pg/L	0.1	0.1	<0.10	0.53	
123478 HxCDF	pg/L	1	1	<1.0	1.1	
123678 HxCDF	pg/L	0.6	0.6	0.69	<0.60	
123789 HxCDF	pg/L	0.6	0.6	<0.60	<0.60	
234678 HxCDF	pg/L	0.1	0.1	0.77	0.48	
1234678 HpCDF	pg/L	0.1	0.1	6.6	1.9	
1234789 HpCDF	pg/L	0.1	0.1	0.99	0.64	
OCDF	pg/L	2	2	20	0.49	
Total TCDF	pg/L	0.1	0.1	<0.10	<0.10	
Total PeCDF	pg/L	0.6	0.6	2.0	1.2	
Total HxCDF	pg/L	1	1	5.0	2.7	
Total HpCDF	pg/L	0.1	0.1	16	4.2	

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Total PCDFs	pg/L	2	2	43	13	
Total TEQ (ND=0) (WHO Calc)	pg/L			0.95	1.4	
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			1.2	1.5	
Total TEQ (ND=DL) (WHO Calc)	pg/L			1.4	1.6	
13C12 2378 TeCDD	%			77	71	
13C12 12378 PeCDD	%			84	83	
13C12 123478 HxCDD	%			71	75	
13C12 123678 HxCDD	%			78	84	
13C12 1234678 HpCDD	%			64	78	
13C12 OCDD	%			46	56	
13C12 2378 TeCDF	%			98	89	
13C12 12378 PeCDF	%			100	110	
13C12 23478 PeCDF	%			69	70	
13C12 123478 HxCDF	%			54	56	
13C12 123678 HxCDF	%			63	66	
13C12 234678 HxCDF	%			79	85	
13C12 123789 HxCDF	%			72	80	
13C12 1234678 HpCDF	%			60	68	
13C12 1234789 HpCDF	%			59	70	
EPA 8270 Extractables						
1,2,3-Trichlorobenzene	ug/L	0.4	0.4	<0.4	<0.4	
1,2,4-Trichlorobenzene	ug/L	0.4	0.4	<0.4	<0.4	
1,2-Dichlorobenzene	ug/L	0.4	0.4	<0.4	<0.4	
4-Chloroaniline	ug/L	0.4	0.4	<0.4	<0.4	
1,3-Dichlorobenzene	ug/L	0.4	0.4	<0.4	<0.4	
1,4-Dichlorobenzene	ug/L	0.4	0.4	<0.4	<0.4	
1-Chloronaphthalene	ug/L	0.4	0.4	<0.4	<0.4	
1-Methylnaphthalene	ug/L	0.4	0.4	<0.4	<0.4	
2,3,4,5-Tetrachlorophenol	ug/L	0.5	0.5	<0.5	<0.5	
2,3,4,6-Tetrachlorophenol	ug/L	0.5	0.5	<0.5	<0.5	
2,3,4-Trichlorophenol	ug/L	0.5	0.5	<0.5	<0.5	
2,3,5,6-Tetrachlorophenol	ug/L	0.5	0.5	<0.5	<0.5	
2,3,5-Trichlorophenol	ug/L	0.5	0.5	<0.5	<0.5	
2,4,5-Trichlorophenol	ug/L	0.5	0.5	<0.5	<0.5	
2,4,6-Trichlorophenol	ug/L	0.5	0.5	<0.5	<0.5	
2,4-Dichlorophenol	ug/L	0.3	0.3	<0.3	<0.3	
2,4-Dimethylphenol	ug/L	0.5	0.5	<0.5	<0.5	
2,4-Dinitrophenol	ug/L	1	1	<1	<2	
2,4-Dinitrotoluene	ug/L	0.4	0.4	<0.4	<0.4	
2,6-Dichlorophenol	ug/L	0.5	0.5	<0.5	<0.5	
2,6-Dinitrotoluene	ug/L	0.4	0.4	<0.4	<0.4	
2-Chloronaphthalene	ug/L	0.4	0.4	<0.4	<0.4	
2-Chlorophenol	ug/L	0.3	0.3	<0.3	<0.3	
2-Methylnaphthalene	ug/L	0.4	0.4	<0.4	<0.4	
2-Methylphenol	ug/L	0.5	0.5	0.7	0.5	

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2-Nitrophenol	ug/L	0.5	0.5	<0.5	<0.5	
3,3'-Dichlorobenzidine	ug/L	0.4	0.4	<0.4	<0.4	
3&4-Methylphenol	ug/L	0.5	0.5	0.7	<0.5	
4,6-Dinitro-2-methylphenol	ug/L	2	2	<2	<2	
4-Bromophenyl phenyl ether	ug/L	0.4	0.4	<0.4	<0.4	
4-Chloro-3-methylphenol	ug/L	0.5	0.5	<0.5	<0.5	
4-Chlorophenyl phenyl ether	ug/L	0.4	0.4	<0.4	<0.4	
4-Nitrophenol	ug/L	0.5	0.5	<0.5	<0.5	
5-Nitroacenaphthene	ug/L	0.4	0.4	<0.4	<0.4	
Acenaphthene	ug/L	0.2	0.2	<0.2	<0.2	
Acenaphthylene	ug/L	0.2	0.2	<0.2	<0.2	
Anthracene	ug/L	0.2	0.2	<0.2	<0.2	
Benzo(a)anthracene	ug/L	0.2	0.2	<0.2	0.2	
Benzo(a)pyrene	ug/L	0.01	0.01	<0.01	<0.01	
Benzo(b)fluoranthene	ug/L	0.2	0.2	<0.2	<0.2	
Benzo(ghi)perylene	ug/L	0.2	0.2	<0.2	<0.2	
Benzo(k)fluoranthene	ug/L	0.2	0.2	<0.2	<0.2	
Biphenyl	ug/L	0.4	0.4	<0.4	<0.4	
Bis(2-chloroethoxy)methane	ug/L	0.4	0.4	<0.4	<0.4	
Bis(2-chloroethyl)ether	ug/L	0.4	0.4	<0.4	<0.4	
Bis(2-chloroisopropyl)ether	ug/L	0.4	0.4	<0.4	<0.4	
Bis(2-ethylhexyl)phthalate	ug/L	2	2	5	<2	
Butylbenzyl phthalate	ug/L	0.4	0.4	1.8	<0.4	
Camphepane	ug/L	0.4	0.4	<0.4	<0.4	
Chrysene	ug/L	0.2	0.2	<0.2	<0.2	
Dibenzo(a,h)anthracene	ug/L	0.2	0.2	<0.2	<0.2	
Diethylphthalate	ug/L	0.2	0.2	1.2	0.3	
Dimethylphthalate	ug/L	0.2	0.2	<0.2	<0.2	
Di-n-butylphthalate	ug/L	2	2	<2	<2	
Di-n-octylphthalate	ug/L	0.4	0.4	0.5	<0.4	
Diphenyl ether	ug/L	0.4	0.4	<0.4	<0.4	
Diphenylamine	ug/L	0.4	0.4	<0.4	<0.4	
Fluoranthene	ug/L	0.2	0.2	<0.2	<0.2	
Fluorene	ug/L	0.2	0.2	<0.2	<0.2	
Hexachlorobenzene	ug/L	0.04	0.04	<0.04	<0.04	
Hexachlorobutadiene	ug/L	0.2	0.2	<0.2	<0.2	
Hexachlorocyclopentadiene	ug/L	0.4	0.4	<0.4	<0.4	
Hexachloroethane	ug/L	0.4	0.4	<0.4	<0.4	
Indeno(1,2,3-cd)pyrene	ug/L	0.2	0.2	<0.2	<0.2	
Indole	ug/L	0.4	0.4	<0.4	<0.4	
Isophorone	ug/L	0.4	0.4	<0.4	<0.4	
Naphthalene	ug/L	0.2	0.2	<0.2	<0.2	
Nitrobenzene	ug/L	0.4	0.4	<0.4	<0.4	
N-Nitroso-di-n-propylamine	ug/L	0.4	0.4	<0.4	<0.4	
Pentachlorophenol	ug/L	0.5	0.5	<0.5	<0.5	
Perylene	ug/L	0.2	0.2	<0.2	<0.2	
Phenanthrene	ug/L	0.2	0.2	<0.2	<0.2	

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Phenol	ug/L	0.5	0.5	0.8	<0.5	
Pyrene	ug/L	0.2	0.2	<0.2	<0.2	
Nitrobenzene d5	%			101	102	
2-Fluorobiphenyl	%			90	91	
p-Terphenyl d14	%			43	69	
Phenol d5	%			23	24	
2,4,6-Tribromophenol	%			110	110	
Cresols (total)	ug/L	1	1	7	<1	
Low Level Nonylphenols and Ethoxylates						
Nonylphenols	ug/L	0.1	0.1	3.9	1.1	
Nonylphenol Monoethoxylates	ug/L	0.5	0.5	6.3	<0.5	
Nonylphenol Diethoxylates	ug/L	1.2	1.2	<1	<1	
Nonylphenol Triethoxylates	ug/L	2	2	<2	<2	
t-Octylphenol	ug/L	0.02	0.02	0.22	0.08	
t-Octylphenol Monoethoxylate	ug/L	0.1	0.1	<0.1	<0.1	
t-Octylphenol Diethoxylate	ug/L	0.2	0.2	<0.2	<0.2	
t-Octylphenol Triethoxylate	ug/L	0.5	0.5	<0.5	<0.5	
PCB						
Aroclor 1016	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1221	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1232	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1242	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1248	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1254	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1260	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1262	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1268	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Total PCBs	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Pesticides, Organochlorine						
op-DDT	ug/L	1	0.1	<1	<0.1	
pp-DDD	ug/L	1	0.1	<1	<0.1	
pp-DDE	ug/L	1	0.1	<1	<0.1	
pp-DDT	ug/L	1	0.1	<1	<0.1	
Heptachlor	ug/L	1	0.1	<1	<0.1	
Heptachlor Epoxide	ug/L	1	0.1	<1	<0.1	
a-chlordane	ug/L	1	0.1	<1	<0.1	
g-chlordane	ug/L	1	0.1	<1	<0.1	
Aldrin	ug/L	1	0.1	<1	<0.1	
Dieldrin	ug/L	1	0.1	<1	<0.1	
Lindane	ug/L	1	0.1	<1	<0.1	
Methoxychlor	ug/L	1	0.1	<1	<0.1	
alpha-BHC	ug/L	1	0.1	<1	<0.1	
beta-BHC	ug/L	1	0.1	<1	<0.1	

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delta-BHC	ug/L	1	0.1	<1	<0.1	
Oxychlordane	ug/L	1	0.1	<1	<0.1	
Endrin	ug/L	1	0.1	<1	<0.1	
beta-Endosulfan	ug/L	1	0.1	<1	<0.1	
alpha-Endosulfan	ug/L	1	0.1	<1	<0.1	
o,p-DDE	ug/L	1	0.1	<1	<0.1	
Endrin Aldehyde	ug/L	1	0.1	<1	<0.1	
Endosulfan Sulfate	ug/L	1	0.1	<1	<0.1	
Mirex	ug/L	1	0.1	<1	<0.1	
op-DDD	ug/L	1	0.1	<1	<0.1	
2-Fluorobiphenyl	%			54	64	
d14-Terphenyl	%			81	73	
Phenoxyacid Herbicides by GC/MS						
2,4,5-TP	ug/L	0.5	0.5	<0.5	<0.5	
MCPA	ug/L	0.5	0.5	<0.5	<0.5	
2,4,5-T	ug/L	0.5	0.5	<0.5	<0.5	
2,4-D	ug/L	0.5	0.5	<0.5	<0.5	
Bromoxynil	ug/L	0.5	0.5	<0.5	<0.5	
Dicamba	ug/L	0.5	0.5	<0.5	<0.5	
Dinoseb	ug/L	0.5	0.5	<0.5	<0.5	
Picloram	ug/L	0.5	0.5	<0.5	<0.5	
2,4-Dichlorophenylacetic Acid	%			77	83	
Target Compounds by GC/MS						
Octachlorostyrene	mg/L	0.005	0.0005	<0.005	0.0026	
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.005	0.0005	<0.005	<0.0005	
Dinitropyrene	mg/L	0.02	0.02	<0.02	<0.02	
2-Fluorobiphenyl	%			78	58	
p-Terphenyl d14	%			118	85	
Volatile Organics						
1,1,1,2-Tetrachloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1,2,2-Tetrachloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1,1-Trichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1,2-Trichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dibromoethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1-Dichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dichloropropane	ug/L	0.5	0.5	<0.5	<0.5	
1,3-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5	
1,4-Dichlorobenzene	ug/L	0.5	0.5	0.6	0.6	
2-Chloroethylvinyl Ether	ug/L	20	20	<20	<20	
2-Hexanone	ug/L	20	20	<20	<20	
Acetone	ug/L	20	20	40	<20	
Benzene	ug/L	0.5	0.5	<0.5	<0.5	

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Bromodichloromethane	ug/L	0.5	0.5	<0.5	<0.5	
Bromoform	ug/L	0.5	0.5	<0.5	<0.5	
Bromomethane	ug/L	1	1	<1	<1	
Carbon Disulfide	ug/L	0.5	0.5	<0.5	<0.5	
Carbon tetrachloride	ug/L	0.5	0.5	<0.5	<0.5	
Chlorobenzene	ug/L	0.5	0.5	<0.5	<0.5	
Chloroethane	ug/L	1	1	<1	<1	
Chloroform	ug/L	0.5	0.5	6.2	5.1	
Chloromethane	ug/L	1	1	<1	<1	
cis-1,2-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
cis-1,3-Dichloropropene	ug/L	0.5	0.5	<0.5	<0.5	
Dibromochloromethane	ug/L	0.5	0.5	<0.5	<0.5	
Dichlorodifluoromethane	ug/L	1	1	<1	<1	
Dichloromethane	ug/L	0.5	0.5	<0.5	<0.5	
Ethyl Benzene	ug/L	0.5	0.5	<0.5	<0.5	
m+p-Xylenes	ug/L	1	1	<1	<1	
Methyl Ethyl Ketone	ug/L	20	20	<20	<20	
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20	
MTBE	ug/L	0.5	0.5	<0.5	<0.5	
o-Xylene	ug/L	0.5	0.5	<0.5	<0.5	
Styrene	ug/L	0.5	0.5	1.4	<0.5	
Tetrachloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
Toluene	ug/L	0.5	0.5	7.4	<0.5	
trans-1,2-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
trans-1,3-Dichloropropene	ug/L	0.5	0.5	<0.5	<0.5	
Trichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
Trichlorofluoromethane	ug/L	1	1	<1	<1	
Trihalomethanes (total)	ug/L	2	2	6.2	5.1	
Vinyl chloride	ug/L	0.5	0.5	<0.5	<0.5	
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5	
1,2-Dichloroethane d4	%			101	104	
Toluene-d8	%			98	98	
4-Bromofluorobenzene	%			99	100	

NOTES:

MDL- Method Detection Limit

mg/L- milligrams/Litre

mg/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

<- less than

NA- not analyzed

NR- not reported

* Total Metals were analyzed in-house on biweekly composite samples, and the reported results are quarterly averages.
All other parameters were analyzed by contract laboratory.

This report was revised February 17, 2010 to include Total Metals data.

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Miscellaneous						
Chromium, Hexavalent	mg/L	0.001	0.001	<0.001	<0.001	
Mercury (Hg)-Total	ng/L	0.5	0.5	88	6.3	
Toxaphene	mg/L	0.0001	0.0001	<0.0001	<0.0001	
Phenols (4AAP)	mg/L	0.001	0.001	0.036	0.006	
Tributyltin	ug/L	<0.05	<0.05	0.05	0.05	
Tetraethyl Lead	ug/L	<0.05	<0.05	0.05	0.05	
Total Oil and Grease	mg/L	1	1	35	<1	
Trout Bioassay	Pass/Fail			NA	Fail	
Total Metals*						
Arsenic, Total	mg/L	0.001	0.001	0.002	0.002	
Cadmium, Total	mg/L	0.001	0.001	<0.001	<0.001	
Chromium, Total	mg/L	0.001	0.001	0.007	0.003	
Copper, Total	mg/L	0.001	0.001	0.402	0.064	
Molybdenum, Total	mg/L	NA	NA	NA	NA	
Nickel, Total	mg/L	0.001	0.001	0.025	0.014	
Lead, Total	mg/L	0.001	0.001	0.005	<0.001	
Selenium, Total	mg/L	NA	NA	NA	NA	
Zinc, Total	mg/L	0.003	0.003	0.146	0.051	
Dioxins and Furans						
2378 TeCDD	pg/L	0.2	0.3	<0.20	<0.30	
12378 PeCDD	pg/L	0.1	0.1	1.7	<0.10	
123478 HxCDD	pg/L	0.1	0.1	1.2	<0.10	
123678 HxCDD	pg/L	0.1	0.1	1.1	1.0	
123789 HxCDD	pg/L	0.1	0.1	1.3	1.3	
1234678 HpCDD	pg/L	0.1	0.1	7.2	2.2	
OCDD	pg/L	0.2	0.2	53	6.7	
Total TCDD	pg/L	0.2	0.3	<0.20	<0.30	
Total PeCDD	pg/L	0.1	0.1	1.7	<0.10	
Total HxCDD	pg/L	0.1	0.1	5.3	3.3	
Total HpCDD	pg/L	0.1	0.1	12	3.3	
Total PCDDs	pg/L	0.2	0.3	72	13	
2378 TeCDF	pg/L	0.1	0.1	<0.10	<0.10	
12378 PeCDF	pg/L	0.1	0.1	1.1	1.3	
23478 PeCDF	pg/L	0.1	0.1	1.8	1.2	
123478 HxCDF	pg/L	0.4	0.4	1.9	1.6	
123678 HxCDF	pg/L	0.5	0.5	1.6	1.9	
123789 HxCDF	pg/L	0.5	0.5	1.6	1.4	
234678 HxCDF	pg/L	0.5	0.5	1.2	1.3	
1234678 HpCDF	pg/L	0.1	0.1	4.1	1.8	
1234789 HpCDF	pg/L	0	0	2	1.9	
OCDF	pg/L	0.2	0.1	11	4.5	
Total TCDF	pg/L	0.1	0.1	<0.10	<0.10	
Total PeCDF	pg/L	0.1	0	3.1	2.5	
Total HxCDF	pg/L	0.5	0.5	6.8	6.1	
Total HpCDF	pg/L	0.1	0	8.2	4.2	

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2'nd Quarter Sampling		June 21, 2007			SEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
Total PCDFs	pg/L	0.5	0.5	29	17	
Total TEQ (ND=0) (WHO Calc)	pg/L			3.7	1.6	
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			3.8	1.8	
Total TEQ (ND=DL) (WHO Calc)	pg/L			4.0	2.0	
13C12 2378 TeCDD	%			61	41	
13C12 12378 PeCDD	%			65	58	
13C12 123478 HxCDD	%			71	74	
13C12 123678 HxCDD	%			76	78	
13C12 1234678 HpCDD	%			65	68	
13C12 OCDD	%			59	68	
13C12 2378 TeCDF	%			73	59	
13C12 12378 PeCDF	%			73	75	
13C12 23478 PeCDF	%			76	76	
13C12 123478 HxCDF	%			74	80	
13C12 123678 HxCDF	%			73	84	
13C12 234678 HxCDF	%			69	79	
13C12 123789 HxCDF	%			68	77	
13C12 1234678 HpCDF	%			65	73	
13C12 1234789 HpCDF	%			65	76	
37C14 2378 TeCDD	%			60	45	
 EPA 8270 Extractables						
1-Chloronaphthalene	ug/L	4	0.4	<4	<0.4	
1-Methylnaphthalene	ug/L	4	0.4	<4	<0.4	
1,2-Dichlorobenzene	ug/L	4	0.4	<4	<0.4	
1,2,3-Trichlorobenzene	ug/L	4	0.4	<4	<0.4	
1,2,4-Trichlorobenzene	ug/L	4	0.4	<4	<0.4	
1,3-Dichlorobenzene	ug/L	4	0.4	<4	<0.4	
1,4-Dichlorobenzene	ug/L	4	0.4	<4	0.5	
2-Chloronaphthalene	ug/L	4	0.4	<4	<0.4	
2-Chlorophenol	ug/L	3	0.3	<3	<0.3	
2-Methylnaphthalene	ug/L	4	0.4	<4	<0.4	
2-Methylphenol	ug/L	5	0.5	<5	<0.5	
2-Nitrophenol	ug/L	5	0.5	<5	<0.5	
2,3,4-Trichlorophenol	ug/L	5	0.5	<5	<0.5	
2,3,4,5-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5	
2,3,4,6-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5	
2,3,5-Trichlorophenol	ug/L	5	0.5	<5	<0.5	
2,3,5,6-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5	
2,4-Dichlorophenol	ug/L	3	0.3	<3	<0.3	
2,4-Dimethylphenol	ug/L	5	0.5	<5	<0.5	
2,4-Dinitrophenol	ug/L	10	1	<10	<1	
2,4-Dinitrotoluene	ug/L	4	0.4	<4	<0.4	
2,4,5-Trichlorophenol	ug/L	5	0.5	<5	<0.5	
2,4,6-Trichlorophenol	ug/L	5	0.5	<5	<0.5	
2,6-Dichlorophenol	ug/L	5	0.5	<5	<0.5	
2,6-Dinitrotoluene	ug/L	4	0.4	<4	<0.4	
3,3'-Dichlorobenzidine	ug/L	4	0.4	<4	<0.4	

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Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
3&4-Methylphenol	ug/L	5	0.5	38	<0.5	
4-Bromophenyl phenyl ether	ug/L	4	0.4	<4	<0.4	
4-Chloro-3-methylphenol	ug/L	5	0.5	<5	<0.5	
4-Chloroaniline	ug/L	4	0.4	<4	<0.4	
4-Chlorophenyl phenyl ether	ug/L	4	0.4	<4	<0.4	
4-Nitrophenol	ug/L	5	0.5	<5	<0.5	
4,6-Dinitro-2-methylphenol	ug/L	20	2	<20	<2	
5-Nitroacenaphthene	ug/L	4	0.4	<4	<0.4	
Acenaphthene	ug/L	2	0.2	<2	<0.2	
Acenaphthylene	ug/L	2	0.2	<2	<0.2	
Anthracene	ug/L	2	0.2	<2	<0.2	
Benzo(a)anthracene	ug/L	2	0.2	<2	<0.2	
Benzo(a)pyrene	ug/L	0.1	0.01	<0.1	<0.01	
Benzo(b)fluoranthene	ug/L	2	0.2	<2	<0.2	
Benzo(ghi)perylene	ug/L	2	0.2	<2	<0.2	
Benzo(k)fluoranthene	ug/L	2	0.2	<2	<0.2	
Biphenyl	ug/L	4	0.4	<4	<0.4	
Bis(2-chloroethoxy)methane	ug/L	4	0.4	<4	<0.4	
Bis(2-chloroethyl)ether	ug/L	4	0.4	<4	<0.4	
Bis(2-chloroisopropyl)ether	ug/L	4	0.4	<4	<0.4	
Bis(2-ethylhexyl)phthalate	ug/L	20	2	<20	<2	
Butylbenzyl phthalate	ug/L	4	0.4	<4	<0.4	
Camphene	ug/L	4	0.4	<4	<0.4	
Chrysene	ug/L	2	0.2	<2	<0.2	
Cresols (total)	ug/L	10	1	40	<1	
Di-n-butylphthalate	ug/L	20	2	<20	<2	
Di-n-octylphthalate	ug/L	4	0.4	<4	<0.4	
Dibenzo(a,h)anthracene	ug/L	2	0.2	<2	<0.2	
Diethylphthalate	ug/L	2	0.2	2	<0.2	
Dimethylphthalate	ug/L	2	0.2	<2	<0.2	
Diphenyl ether	ug/L	4	0.4	<4	<0.4	
Diphenylamine	ug/L	4	0.4	<4	<0.4	
Fluoranthene	ug/L	2	0.2	<2	<0.2	
Fluorene	ug/L	2	0.2	<2	<0.2	
Hexachlorobenzene	ug/L	0.4	0.04	<0.4	<0.04	
Hexachlorobutadiene	ug/L	2	0.2	<2	<0.2	
Hexachlorocyclopentadiene	ug/L	4	0.4	<4	<0.4	
Hexachloroethane	ug/L	4	0.4	<4	<0.4	
Indeno(1,2,3-cd)pyrene	ug/L	2	0.2	<2	<0.2	
Indole	ug/L	4	0.4	19	<0.4	
Isophorone	ug/L	4	0.4	<4	<0.4	
N-Nitroso-di-n-propylamine	ug/L	4	0.4	<4	<0.4	
Naphthalene	ug/L	2	0.2	<2	<0.2	
Nitrobenzene	ug/L	4	0.4	<4	<0.4	
Pentachlorophenol	ug/L	5	0.5	<5	<0.5	
Perylene	ug/L	2	0.2	<2	<0.2	
Phenanthrene	ug/L	2	0.2	<2	<0.2	
Phenol	ug/L	5	0.5	<5	<0.5	

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2'nd Quarter Sampling		June 21, 2007			SEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
Pyrene	ug/L	2	0.2	<2	<0.2	
2-Fluorobiphenyl	%			92	115	
2,4,6-Tribromophenol	%			123	89	
Nitrobenzene d5	%			84	127	
p-Terphenyl d14	%			53	119	
Phenol d5	%			25	17	
Low Level Nonylphenols and Ethoxylates						
Nonylphenols	ug/L	0.1	0.1	2.5	0.5	
Nonylphenol Monoethoxylates	ug/L	0.5	0.5	<0.5	<0.5	
Nonylphenol Diethoxylates	ug/L	1.2	1.2	<1	<1	
Nonylphenol Triethoxylates	ug/L	2	2	<2	<2	
t-Octylphenol	ug/L	0.02	0.02	<0.02	<0.02	
t-Octylphenol Monoethoxylate	ug/L	0.1	0.1	<0.1	<0.1	
t-Octylphenol Diethoxylate	ug/L	0.2	0.2	<0.2	<0.2	
t-Octylphenol Triethoxylate	ug/L	0.5	0.5	<0.5	<0.5	
Total TEQ (CCME)	ug/L			2.45	0.518	
PCB						
Aroclor 1016	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1221	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1232	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1242	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1248	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1254	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1260	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1262	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1268	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Total PCBs	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Pesticides, Organochlorine						
op-DDT	ug/L	10	0.1	<10	<0.1	
pp-DDD	ug/L	10	0.1	<10	<0.1	
pp-DDE	ug/L	10	0.1	<10	<0.1	
pp-DDT	ug/L	10	0.1	<10	<0.1	
Heptachlor	ug/L	1	0.1	<1	<0.1	
Heptachlor Epoxide	ug/L	10	0.1	<10	<0.1	
a-chlordane	ug/L	10	0.1	<10	<0.1	
g-chlordane	ug/L	10	0.1	<10	<0.1	
Aldrin	ug/L	1	0.1	<1	<0.1	
Dieldrin	ug/L	10	0.1	<10	<0.1	
Lindane	ug/L	1	0.1	<1	<0.1	
Methoxychlor	ug/L	10	0.1	<10	<0.1	
alpha-BHC	ug/L	1	0.1	<1	<0.1	
beta-BHC	ug/L	1	0.1	<1	<0.1	
delta-BHC	ug/L	1	0.1	<1	<0.1	
Oxychlordane	ug/L	10	0.1	<10	<0.1	
Endrin	ug/L	10	0.1	<10	<0.1	

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2'nd Quarter Sampling		June 21, 2007			SEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
beta-Endosulfan	ug/L	10	0.1	<10	<0.1	
alpha-Endosulfan	ug/L	50	0.1	<50	<0.1	
o,p-DDE	ug/L	10	0.1	<10	<0.1	
Endrin Aldehyde	ug/L	10	0.1	<10	<0.1	
Endosulfan Sulfate	ug/L	10	0.1	<10	<0.1	
Mirex	ug/L	10	0.1	<10	<0.1	
op-DDD	ug/L	10	0.1	<10	<0.1	
2-Fluorobiphenyl	%			108	91	
d14-Terphenyl	%			118	96	
Phenoxyacid Herbicides by GC/MS						
2,4,5-TP	ug/L	0.5	0.5	<0.5	<0.5	
MCPA	ug/L	0.5	0.5	<0.5	<0.5	
Mecoprop	ug/L	<0.5	<0.5	0.5	0.5	
2,4,5-T	ug/L	0.5	0.5	<0.5	<0.5	
2,4-D	ug/L	0.5	0.5	<0.5	<0.5	
Bromoxynil	ug/L	0.5	0.5	<0.5	<0.5	
Dicamba	ug/L	0.5	0.5	<0.5	<0.5	
Dinoseb	ug/L	0.5	0.5	<0.5	<0.5	
Picloram	ug/L	0.5	0.5	<0.5	<0.5	
2,4-Dichlorophenylacetic Acid	%			90	93	
Target Compounds by GC/MS						
Octachlorostyrene	mg/L	0.0005	0.0005	<0.0005	<0.0005	
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.005	0.0005	<0.005	<0.0005	
Dinitropyrene	mg/L	0.2	0.02	<0.2	<0.02	
2-Fluorobiphenyl	%			67	70	
p-Terphenyl d14	%			11	89	
Volatile Organics						
1,1,1,2-Tetrachloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1,2,2-Tetrachloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1,1-Trichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1,2-Trichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dibromoethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1-Dichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dichloropropane	ug/L	0.5	0.5	<0.5	<0.5	
1,3-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5	
1,4-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5	
2-Hexanone	ug/L	20	20	<20	<20	
Acetone	ug/L	20	20	50	<20	
Benzene	ug/L	0.5	0.5	<0.5	<0.5	
Bromodichloromethane	ug/L	0.5	0.5	<0.5	<0.5	
Bromoform	ug/L	0.5	0.5	<0.5	<0.5	
Bromomethane	ug/L	1	1	<1	<1	

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2'nd Quarter Sampling		June 21, 2007			SEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
Carbon Disulfide	ug/L	0.5	0.5	<0.5	<0.5	
Carbon tetrachloride	ug/L	0.5	0.5	<0.5	<0.5	
Chlorobenzene	ug/L	0.5	0.5	<0.5	<0.5	
Chloroethane	ug/L	1	1	<1	<1	
Chloroform	ug/L	0.5	0.5	10.8	9.6	
Chloromethane	ug/L	1	1	<1	<1	
cis-1,2-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
cis-1,3-Dichloropropene	ug/L	0.5	0.5	<0.5	<0.5	
Dibromochloromethane	ug/L	0.5	0.5	<0.5	<0.5	
Dichlorodifluoromethane	ug/L	1	1	<1	<1	
Dichloromethane	ug/L	0.5	0.5	0.7	5.1	
Ethyl Benzene	ug/L	0.5	0.5	<0.5	<0.5	
m+p-Xylenes	ug/L	1	1	<1	<1	
Methyl Ethyl Ketone	ug/L	20	20	<20	<20	
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20	
MTBE	ug/L	0.5	0.5	<0.5	<0.5	
o-Xylene	ug/L	0.5	0.5	<0.5	<0.5	
Styrene	ug/L	0.5	0.5	0.9	<0.5	
Tetrachloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
Toluene	ug/L	0.5	0.5	3.2	<0.5	
trans-1,2-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
trans-1,3-Dichloropropene	ug/L	0.5	0.5	<0.5	<0.5	
Trichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
Trichlorofluoromethane	ug/L	1	1	<1	<1	
Trihalomethanes (total)	ug/L	2	2	10.8	9.6	
Vinyl chloride	ug/L	0.5	0.5	<0.5	<0.5	
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5	
1,2-Dichloroethane d4	%			99	104	
Toluene-d8	%			96	98	
4-Bromofluorobenzene	%			102	101	

NOTES:

MDL- Method Detection Limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

<- less than

NA- not analyzed

NR- not reported

* Total Metals were analyzed in-house on biweekly composite samples, and the reported results are quarterly averages.
All other parameters were analyzed by contract laboratory.

This report was revised February 17, 2010 to include Total Metals data.

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3'rd Quarter Sampling		September 20, 2007			SEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
Miscellaneous						
Chromium, Hexavalent	mg/L	0.001	0.001	<0.001	<0.001	
Mercury (Hg)-Total	ng/L	0.5	0.5	260	9.9	
Toxaphene	mg/L	0.0001	0.0001	<0.0001	<0.0001	
Phenols (4AAP)	mg/L	0.001	0.001	0.121	0.009	
Tributyltin	ug/L	0.05	0.05	<0.05	<0.05	
Tetraethyl Lead	ug/L	0.05	0.05	<0.05	<0.05	
Total Oil and Grease	mg/L	5	1	93	<1	
Trout Bioassay	Pass/Fail			NA	Fail	
Total Metals*						
Arsenic, Total	mg/L	0.001	0.001	0.002	0.001	
Cadmium, Total	mg/L	0.001	0.001	0.002	<0.001	
Chromium, Total	mg/L	0.001	0.001	0.010	0.003	
Copper, Total	mg/L	0.001	0.001	0.225	0.039	
Molybdenum, Total	mg/L	NA	NA	NA	NA	
Nickel, Total	mg/L	0.001	0.001	0.018	0.009	
Lead, Total	mg/L	0.001	0.001	0.006	<0.001	
Selenium, Total	mg/L	NA	NA	NA	NA	
Zinc, Total	mg/L	0.003	0.003	0.191	0.043	
Dioxins and Furans						
2378 TeCDD	pg/L	0.7	0.8	<0.70	<0.80	
12378 PeCDD	pg/L	0.5	0.4	<0.50	<0.40	
123478 HxCDD	pg/L	0.6	0.6	<0.60	<0.60	
123678 HxCDD	pg/L	0.6	0.5	<0.60	<0.50	
123789 HxCDD	pg/L	0.5	0.5	<0.50	<0.50	
1234678 HpCDD	pg/L	1	0.8	33	4.5	
OCDD	pg/L	1	0.9	280	19	
Total TCDD	pg/L	0.7	0.8	<0.70	<0.80	
Total PeCDD	pg/L	0.5	0.4	<0.50	<0.40	
Total HxCDD	pg/L	0.6	0.6	6.3	<0.60	
Total HpCDD	pg/L	1	0.8	61	4.5	
Total PCDDs	pg/L	1	0.9	350	24	
2378 TeCDF	pg/L	0.5	0.5	<0.50	<0.50	
12378 PeCDF	pg/L	0.4	0.4	<0.40	<0.40	
23478 PeCDF	pg/L	0.3	0.3	<0.30	<0.30	
123478 HxCDF	pg/L	0	0	<0.40	<0.30	
123678 HxCDF	pg/L	0.4	0.3	<0.40	<0.30	
123789 HxCDF	pg/L	0.5	0.5	<0.50	<0.50	
234678 HxCDF	pg/L	0.4	0.4	<0.40	<0.40	
1234678 HpCDF	pg/L	0.7	0.7	9.8	<0.70	
1234789 HpCDF	pg/L	1	0.9	<1.0	<0.90	
OCDF	pg/L	2	2	29	<2.0	
Total TCDF	pg/L	0.5	0.5	<0.50	<0.50	
Total PeCDF	pg/L	0.4	0.4	<0.40	<0.40	
Total HxCDF	pg/L	1	1	3.6	<0.50	
Total HpCDF	pg/L	1	0.9	9.8	<0.90	

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3'rd Quarter Sampling		September 20, 2007			SEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
Total PCDFs	pg/L	2	2	42	<2.0	
Total TEQ (ND=0) (WHO Calc)	pg/L			0.48	0.05	
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			1.37	0.92	
Total TEQ (ND=DL) (WHO Calc)	pg/L			2.25	1.79	
13C12 2378 TeCDD	%			67	69	
13C12 12378 PeCDD	%			74	81	
13C12 123478 HxCDD	%			69	73	
13C12 123678 HxCDD	%			72	78	
13C12 1234678 HpCDD	%			59	65	
13C12 OCDD	%			53	65	
13C12 2378 TeCDF	%			62	65	
13C12 12378 PeCDF	%			75	84	
13C12 23478 PeCDF	%			71	81	
13C12 123478 HxCDF	%			64	83	
13C12 123678 HxCDF	%			69	88	
13C12 234678 HxCDF	%			74	88	
13C12 123789 HxCDF	%			67	90	
13C12 1234678 HpCDF	%			63	64	
13C12 1234789 HpCDF	%			56	65	
37C14 2378 TeCDD	%			60	59	
 EPA 8270 Extractables						
1-Chloronaphthalene	ug/L	4	0.4	<4	<0.4	
1-Methylnaphthalene	ug/L	4	0.4	<4	<0.4	
1,2-Dichlorobenzene	ug/L	4	0.4	<4	<0.4	
1,2,3-Trichlorobenzene	ug/L	4	0.4	<4	<0.4	
1,2,4-Trichlorobenzene	ug/L	4	0.4	<4	<0.4	
1,3-Dichlorobenzene	ug/L	4	0.4	<4	<0.4	
1,4-Dichlorobenzene	ug/L	4	0.4	11	0.8	
2-Chloronaphthalene	ug/L	4	0.4	<4	<0.4	
2-Chlorophenol	ug/L	3	0.3	<3	<0.3	
2-Methylnaphthalene	ug/L	4	0.4	<4	<0.4	
2-Methylphenol	ug/L	5	0.5	<5	<0.5	
2-Nitrophenol	ug/L	5	0.5	<5	<0.5	
2,3,4-Trichlorophenol	ug/L	5	0.5	<5	<0.5	
2,3,4,5-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5	
2,3,4,6-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5	
2,3,5-Trichlorophenol	ug/L	5	0.5	<5	<0.5	
2,3,5,6-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5	
2,4-Dichlorophenol	ug/L	3	0.3	<3	<0.3	
2,4-Dimethylphenol	ug/L	5	0.5	<5	<0.5	
2,4-Dinitrophenol	ug/L	10	1	<10	<1	
2,4-Dinitrotoluene	ug/L	4	0.4	<4	<0.4	
2,4,5-Trichlorophenol	ug/L	5	0.5	<5	<0.5	
2,4,6-Trichlorophenol	ug/L	5	0.5	<5	<0.5	
2,6-Dichlorophenol	ug/L	5	0.5	<5	<0.5	
2,6-Dinitrotoluene	ug/L	4	0.4	<4	<0.4	
3,3'-Dichlorobenzidine	ug/L	4	0.4	<4	<0.4	

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Parameter	Units	September 20, 2007		SEWPCC	
		MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
3&4-Methylphenol	ug/L	0.5	0.5	1.4	<0.5
4-Bromophenyl phenyl ether	ug/L	4	0.4	<4	<0.4
4-Chloro-3-methylphenol	ug/L	5	0.5	<5	<0.5
4-Chloroaniline	ug/L	4	0.4	<4	<0.4
4-Chlorophenyl phenyl ether	ug/L	4	0.4	<4	<0.4
4-Nitrophenol	ug/L	5	0.5	<5	<0.5
4,6-Dinitro-2-methylphenol	ug/L	20	2	<20	<2
5-Nitroacenaphthene	ug/L	4	0.4	<4	<0.4
Acenaphthene	ug/L	2	0.2	<2	<0.2
Acenaphthylene	ug/L	2	0.2	<2	<0.2
Anthracene	ug/L	2	0.2	<2	<0.2
Benzo(a)anthracene	ug/L	2	0.2	<2	<0.2
Benzo(a)pyrene	ug/L	0.1	0.01	<0.1	<0.01
Benzo(b)fluoranthene	ug/L	2	0.2	<2	<0.2
Benzo(ghi)perylene	ug/L	2	0.2	<2	<0.2
Benzo(k)fluoranthene	ug/L	2	0.2	<2	<0.2
Biphenyl	ug/L	4	0.4	<4	<0.4
Bis(2-chloroethoxy)methane	ug/L	4	0.4	<4	<0.4
Bis(2-chloroethyl)ether	ug/L	4	0.4	<4	<0.4
Bis(2-chloroisopropyl)ether	ug/L	4	0.4	<4	<0.4
Bis(2-ethylhexyl)phthalate	ug/L	20	2	<20	<2
Butylbenzyl phthalate	ug/L	4	0.4	<4	0.4
Camphene	ug/L	4	0.4	<4	<0.4
Chrysene	ug/L	2	0.2	<2	<0.2
Cresols (total)	ug/L	10	1	130	<1
Di-n-butylphthalate	ug/L	20	2	<20	<2
Di-n-octylphthalate	ug/L	4	0.4	<4	<0.4
Dibenzo(a,h)anthracene	ug/L	2	0.2	<2	<0.2
Diethylphthalate	ug/L	2	0.2	7	<0.2
Dimethylphthalate	ug/L	2	0.2	<2	<0.2
Diphenyl ether	ug/L	4	0.4	<4	<0.4
Diphenylamine	ug/L	4	0.4	<4	<0.4
Fluoranthene	ug/L	2	0.2	<2	<0.2
Fluorene	ug/L	2	0.2	<2	<0.2
Hexachlorobenzene	ug/L	0.4	0.04	<0.4	<0.04
Hexachlorobutadiene	ug/L	2	0.2	<2	<0.2
Hexachlorocyclopentadiene	ug/L	4	0.4	<4	<0.4
Hexachloroethane	ug/L	4	0.4	<4	<0.4
Indeno(1,2,3-cd)pyrene	ug/L	2	0.2	<2	<0.2
Indole	ug/L	0.4	0.4	1.0	<0.4
Isophorone	ug/L	4	0.4	<4	<0.4
N-Nitroso-di-n-propylamine	ug/L	4	0.4	<4	<0.4
Naphthalene	ug/L	2	0.2	<2	<0.2
Nitrobenzene	ug/L	4	0.4	<4	<0.4
Pentachlorophenol	ug/L	5	0.5	<5	<0.5
Perylene	ug/L	2	0.2	<2	<0.2
Phenanthrene	ug/L	2	0.2	<2	<0.2
Phenol	ug/L	5	0.5	28	<0.5

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3'rd Quarter Sampling		September 20, 2007			SEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
Pyrene	ug/L	2	0.2	<2	<0.2	
2-Fluorobiphenyl	%			60	57	
2,4,6-Tribromophenol	%			135	106	
Nitrobenzene d5	%			87	79	
p-Terphenyl d14	%			69	99	
Phenol d5	%			47	24	
Low Level Nonylphenols and Ethoxylates						
Nonylphenols	ug/L	0.1	0.1	21.8	0.7	
Nonylphenol Monoethoxylates	ug/L	0.5	0.5	45.6	<0.5	
Nonylphenol Diethoxylates	ug/L	1.2	1.2	<1	<1	
Nonylphenol Triethoxylates	ug/L	2	2	<2	<2	
t-Octylphenol	ug/L	0.02	0.02	0.8	0.12	
t-Octylphenol Monoethoxylate	ug/L	0.1	0.1	0.2	<0.1	
t-Octylphenol Diethoxylate	ug/L	0.2	0.2	<0.2	<0.2	
t-Octylphenol Triethoxylate	ug/L	0.5	0.5	<0.5	<0.5	
Total TEQ (CCME)	ug/L			45.5	0.799	
PCB						
Aroclor 1016	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1221	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1232	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1242	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1248	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1254	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1260	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1262	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1268	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Total PCBs	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Pesticides, Organochlorine						
op-DDT	ug/L	10	0.1	<10	<0.1	
pp-DDD	ug/L	1	0.1	<1	<0.1	
pp-DDE	ug/L	1	0.1	<1	<0.1	
pp-DDT	ug/L	10	0.1	<10	<0.1	
Heptachlor	ug/L	1	0.1	<1	<0.1	
Heptachlor Epoxide	ug/L	1	0.1	<1	<0.1	
a-chlordane	ug/L	1	0.1	<1	<0.1	
g-chlordane	ug/L	1	0.1	<1	<0.1	
Aldrin	ug/L	1	0.1	<1	<0.1	
Dieldrin	ug/L	1	0.1	<1	<0.1	
Lindane	ug/L	1	0.1	<1	<0.1	
Methoxychlor	ug/L	10	0.1	<10	<0.1	
alpha-BHC	ug/L	1	0.1	<1	<0.1	
beta-BHC	ug/L	1	0.1	<1	<0.1	
delta-BHC	ug/L	1	0.1	<1	<0.1	
Oxychlordane	ug/L	1	0.1	<1	<0.1	
Endrin	ug/L	1	0.1	<1	<0.1	

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Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
beta-Endosulfan	ug/L	1	0.1	<1	<0.1	
alpha-Endosulfan	ug/L	1	0.1	<1	<0.1	
o,p-DDE	ug/L	1	0.1	<1	<0.1	
Endrin Aldehyde	ug/L	1	0.1	<1	<0.1	
Endosulfan Sulfate	ug/L	1	0.1	<1	<0.1	
Mirex	ug/L	1	0.1	<1	<0.1	
op-DDD	ug/L	1	0.1	<1	<0.1	
2-Fluorobiphenyl	%			61	62	
d14-Terphenyl	%			80	82	
Phenoxyacid Herbicides by GC/MS						
2,4,5-TP	ug/L	0.5	0.5	<0.5	<0.5	
MCPCA	ug/L	0.5	0.5	<0.5	<0.5	
Mecoprop	ug/L	<0.5	<0.5	0.5	0.5	
2,4,5-T	ug/L	0.5	0.5	<0.5	<0.5	
2,4-D	ug/L	0.5	0.5	<0.5	<0.5	
Bromoxynil	ug/L	0.5	0.5	<0.5	<0.5	
Dicamba	ug/L	0.5	0.5	<0.5	<0.5	
Dinoseb	ug/L	0.5	0.5	<0.5	<0.5	
Picloram	ug/L	0.5	0.5	<0.5	<0.5	
2,4-Dichlorophenylacetic Acid	%			75	73	
Target Compounds by GC/MS						
Octachlorostyrene	mg/L	0.005	0.0005	<0.005	<0.0005	
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.005	0.0005	<0.005	<0.0005	
Dinitropyrene	mg/L	0.2	0.02	<0.2	<0.02	
2-Fluorobiphenyl	%			99	78	
p-Terphenyl d14	%			96	68	
Volatile Organics						
1,1,1,2-Tetrachloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1,2,2-Tetrachloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1,1-Trichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1,2-Trichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dibromoethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1-Dichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dichloroethane	ug/L	0.5	0.5	<0.5	0.9	
1,2-Dichloropropane	ug/L	0.5	0.5	<0.5	<0.5	
1,3-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5	
1,4-Dichlorobenzene	ug/L	0.5	0.5	11.0	1.0	
2-Hexanone	ug/L	20	20	<20	<20	
Acetone	ug/L	20	20	110	<20	
Benzene	ug/L	0.5	0.5	<0.5	<0.5	
Bromodichloromethane	ug/L	0.5	0.5	<0.5	<0.5	
Bromoform	ug/L	0.5	0.5	<0.5	<0.5	
Bromomethane	ug/L	1	1	<1	<1	

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3'rd Quarter Sampling		September 20, 2007			SEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
Carbon Disulfide	ug/L	0.5	0.5	0.6	<0.5	
Carbon tetrachloride	ug/L	0.5	0.5	<0.5	<0.5	
Chlorobenzene	ug/L	0.5	0.5	<0.5	<0.5	
Chloroethane	ug/L	1	1	<1	<1	
Chloroform	ug/L	0.5	0.5	9.5	8.3	
Chloromethane	ug/L	1	1	<1	<1	
cis-1,2-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
cis-1,3-Dichloropropene	ug/L	0.5	0.5	<0.5	<0.5	
Dibromochloromethane	ug/L	0.5	0.5	<0.5	<0.5	
Dichlorodifluoromethane	ug/L	1	1	<1	<1	
Dichloromethane	ug/L	0.5	0.5	<0.5	2.2	
Ethyl Benzene	ug/L	0.5	0.5	<0.5	<0.5	
m+p-Xylenes	ug/L	1	1	<1	<1	
Methyl Ethyl Ketone	ug/L	20	20	<20	<20	
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20	
MTBE	ug/L	0.5	0.5	<0.5	<0.5	
o-Xylene	ug/L	0.5	0.5	<0.5	<0.5	
Styrene	ug/L	0.5	0.5	<0.5	<0.5	
Tetrachloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
Toluene	ug/L	0.5	0.5	63.2	1.2	
trans-1,2-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
trans-1,3-Dichloropropene	ug/L	0.5	0.5	<0.5	<0.5	
Trichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
Trichlorofluoromethane	ug/L	1	1	<1	<1	
Trihalomethanes (total)	ug/L	2	2	9.5	8.3	
Vinyl chloride	ug/L	0.5	0.5	<0.5	<0.5	
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5	
1,2-Dichloroethane d4	%			84	98	
Toluene-d8	%			99	101	
4-Bromofluorobenzene	%			105	108	

NOTES:

MDL- Method Detection Limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

<- less than

NA- not analyzed

NR- not reported

* Total Metals were analyzed in-house on biweekly composite samples, and the reported results are quarterly averages.
All other parameters were analyzed by contract laboratory.

This report was revised February 17, 2010 to include Total Metals data.

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4'th Quarter Sampling		December 27, 2007			SEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
Miscellaneous						
Chromium, Hexavalent	mg/L	0.001	0.001	<0.001	<0.001	
Mercury (Hg)-Total	ng/L	0.5	0.5	NR	4.1	
Toxaphene	mg/L	0.0001	0.0001	<0.0001	<0.0001	
Phenols (4AAP)	mg/L	0.001	0.001	0.107	0.008	
Tributyltin	ug/L	0.05	0.05	<0.05	<0.05	
TetraEthyl Lead	ug/L	0.05	0.05	<0.05	<0.05	
Total Oil and Grease	mg/L	1	1	53	<1	
Trout Bioassay	Pass/Fail			NA	Fail	
Total Metals*						
Arsenic, Total	mg/L	0.001	0.001	0.001	0.001	
Cadmium, Total	mg/L	0.001	0.001	<0.001	<0.001	
Chromium, Total	mg/L	0.001	0.001	0.009	0.002	
Copper, Total	mg/L	0.001	0.001	0.179	0.029	
Molybdenum, Total	mg/L	NA	NA	NA	NA	
Nickel, Total	mg/L	0.001	0.001	0.023	0.009	
Lead, Total	mg/L	0.001	0.001	0.004	<0.001	
Selenium, Total	mg/L	NA	NA	NA	NA	
Zinc, Total	mg/L	0.003	0.003	0.177	0.042	
Dioxins and Furans						
2378 TeCDD	pg/L	0.5	0.5	<0.50	<0.50	
12378 PeCDD	pg/L	0.5	0.5	<0.50	<0.50	
123478 HxCDD	pg/L	0.3	0.3	<0.30	<0.30	
123678 HxCDD	pg/L	0.4	0.3	<0.40	<0.30	
123789 HxCDD	pg/L	0.3	0.3	<0.30	<0.30	
1234678 HpCDD	pg/L	0.7	0.7	6.8	7.1	
OCDD	pg/L	1	1	59	57	
Total TCDD	pg/L	0.5	0.5	<0.50	<0.50	
Total PeCDD	pg/L	0.5	0.5	<0.50	<0.50	
Total HxCDD	pg/L	0.4	0.3	<0.40	<0.30	
Total HpCDD	pg/L	0.7	0.7	13	14	
Total PCDDs	pg/L	1	1	72	72	
2378 TeCDF	pg/L	0.3	0.3	<0.30	<0.30	
12378 PeCDF	pg/L	0.3	0.3	<0.30	<0.30	
23478 PeCDF	pg/L	0.2	0.2	<0.20	<0.20	
123478 HxCDF	pg/L	0.1	0	<0.10	<0.10	
123678 HxCDF	pg/L	0.1	0.1	<0.10	<0.10	
123789 HxCDF	pg/L	0.2	0.2	<0.20	<0.20	
234678 HxCDF	pg/L	0.2	0.2	<0.20	<0.20	
1234678 HpCDF	pg/L	0.4	0.4	2.7	1.5	
1234789 HpCDF	pg/L	0.5	0.6	<0.50	<0.60	
OCDF	pg/L	0.9	0.7	8.1	8.2	
Total TCDF	pg/L	0.3	0.3	<0.30	<0.30	
Total PeCDF	pg/L	0.3	0.3	<0.30	<0.30	
Total HxCDF	pg/L	0	0	<0.20	<0.20	
Total HpCDF	pg/L	0.5	0.6	2.7	1.5	
Total PCDFs	pg/L	0.9	1	11	9.7	

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4'th Quarter Sampling		December 27, 2007			SEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
Total TEQ (ND=0) (WHO Calc)	pg/L			0.11	0.1	
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			0.76	0.75	
Total TEQ (ND=DL) (WHO Calc)	pg/L			1.42	1.4	
13C12 2378 TeCDD	%			54	72	
13C12 12378 PeCDD	%			57	78	
13C12 123478 HxCDD	%			54	78	
13C12 123678 HxCDD	%			46	73	
13C12 1234678 HpCDD	%			46	71	
13C12 OCDD	%			36	59	
13C12 2378 TeCDF	%			51	71	
13C12 12378 PeCDF	%			56	78	
13C12 23478 PeCDF	%			56	78	
13C12 123478 HxCDF	%			46	69	
13C12 123678 HxCDF	%			46	74	
13C12 234678 HxCDF	%			46	72	
13C12 123789 HxCDF	%			47	72	
13C12 1234678 HpCDF	%			43	69	
13C12 1234789 HpCDF	%			44	68	
37C14 2378 TeCDD	%			58	69	
 EPA 8270 Extractables						
1-Chloronaphthalene	ug/L	4	0.4	<4	<0.4	
1-Methylnaphthalene	ug/L	4	0.4	<4	<0.4	
1,2-Dichlorobenzene	ug/L	4	0.4	<4	<0.4	
1,2,3-Trichlorobenzene	ug/L	4	0.4	<4	<0.4	
1,2,4-Trichlorobenzene	ug/L	4	0.4	<4	<0.4	
1,3-Dichlorobenzene	ug/L	4	0.4	<4	<0.4	
1,4-Dichlorobenzene	ug/L	4	0.4	<4	0.4	
2-Chloronaphthalene	ug/L	4	0.4	<4	<0.4	
2-Chlorophenol	ug/L	3	0.3	<3	<0.3	
2-Methylnaphthalene	ug/L	4	0.4	<4	<0.4	
2-Methylphenol	ug/L	5	0.5	<5	<0.5	
2-Nitrophenol	ug/L	5	0.5	<5	<0.5	
2,3,4-Trichlorophenol	ug/L	5	0.5	<5	<0.5	
2,3,4,5-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5	
2,3,4,6-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5	
2,3,5-Trichlorophenol	ug/L	5	0.5	<5	<0.5	
2,3,5,6-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5	
2,4-Dichlorophenol	ug/L	3	0.3	<3	<0.3	
2,4-Dimethylphenol	ug/L	5	0.5	<5	<0.5	
2,4-Dinitrophenol	ug/L	10	1	<10	<1	
2,4-Dinitrotoluene	ug/L	4	0.4	<4	<0.4	
2,4,5-Trichlorophenol	ug/L	5	0.5	<5	<0.5	
2,4,6-Trichlorophenol	ug/L	5	0.5	<5	<0.5	
2,6-Dichlorophenol	ug/L	5	0.5	<5	<0.5	
2,6-Dinitrotoluene	ug/L	4	0.4	<4	<0.4	
3,3'-Dichlorobenzidine	ug/L	4	0.4	<4	<0.4	
3&4-Methylphenol	ug/L	5	0.5	120	<0.5	

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4'th Quarter Sampling		December 27, 2007			SEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
4-Bromophenyl phenyl ether	ug/L	4	0.4	<4	<0.4	
4-Chloro-3-methylphenol	ug/L	5	0.5	<5	<0.5	
4-Chloroaniline	ug/L	4	0.4	<4	<0.4	
4-Chlorophenyl phenyl ether	ug/L	4	0.4	<4	<0.4	
4-Nitrophenol	ug/L	5	0.5	<5	<0.5	
4,6-Dinitro-2-methylphenol	ug/L	20	2	<20	<2	
5-Nitroacenaphthene	ug/L	4	0.4	<4	<0.4	
Acenaphthene	ug/L	2	0.2	<2	<0.2	
Acenaphthylene	ug/L	2	0.2	<2	<0.2	
Anthracene	ug/L	2	0.2	<2	<0.2	
Benzo(a)anthracene	ug/L	2	0.2	<2	<0.2	
Benzo(a)pyrene	ug/L	0.5	0.05	<0.5	<0.05	
Benzo(b)fluoranthene	ug/L	2	0.2	<2	<0.2	
Benzo(ghi)perylene	ug/L	2	0.2	<2	<0.2	
Benzo(k)fluoranthene	ug/L	2	0.2	<2	<0.2	
Biphenyl	ug/L	4	0.4	<4	<0.4	
Bis(2-chloroethoxy)methane	ug/L	4	0.4	<4	<0.4	
Bis(2-chloroethyl)ether	ug/L	4	0.4	<4	<0.4	
Bis(2-chloroisopropyl)ether	ug/L	4	0.4	<4	<0.4	
Bis(2-ethylhexyl)phthalate	ug/L	20	2	<20	<2	
Butylbenzyl phthalate	ug/L	4	0.4	<4	<0.4	
Camphene	ug/L	4	0.4	<4	<0.4	
Chrysene	ug/L	2	0.2	<2	<0.2	
Cresols (total)	ug/L	10	1	120	<1	
Di-n-butylphthalate	ug/L	20	2	<20	<2	
Di-n-octylphthalate	ug/L	4	0.4	<4	<0.4	
Dibenzo(a,h)anthracene	ug/L	2	0.2	<2	<0.2	
Diethylphthalate	ug/L	2	0.2	7	<0.2	
Dimethylphthalate	ug/L	2	0.2	<2	<0.2	
Diphenyl ether	ug/L	4	0.4	<4	<0.4	
Diphenylamine	ug/L	4	0.4	<4	<0.4	
Fluoranthene	ug/L	2	0.2	<2	<0.2	
Fluorene	ug/L	2	0.2	<2	<0.2	
Hexachlorobenzene	ug/L	0.4	0.04	<0.4	<0.04	
Hexachlorobutadiene	ug/L	2	0.2	<2	<0.2	
Hexachlorocyclopentadiene	ug/L	4	0.4	<4	<0.4	
Hexachloroethane	ug/L	4	0.4	<4	<0.4	
Indeno(1,2,3-cd)pyrene	ug/L	2	0.2	<2	<0.2	
Indole	ug/L	4	0.4	65	<0.4	
Isophorone	ug/L	4	0.4	<4	<0.4	
N-Nitroso-di-n-propylamine	ug/L	4	0.4	<4	<0.4	
Naphthalene	ug/L	2	0.2	<2	<0.2	
Nitrobenzene	ug/L	4	0.4	<4	<0.4	
Pentachlorophenol	ug/L	5	0.5	<5	<0.5	
Perylene	ug/L	2	0.2	<2	<0.2	
Phenanthrene	ug/L	2	0.2	<2	<0.2	
Phenol	ug/L	5	0.5	29	<0.5	
Pyrene	ug/L	2	0.2	<2	<0.2	

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4'th Quarter Sampling		December 27, 2007			SEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
2-Fluorobiphenyl	%			111	62	
2,4,6-Tribromophenol	%			137	84	
Nitrobenzene d5	%			121	88	
p-Terphenyl d14	%			0	73	
Phenol d5	%			2	20	
Low Level Nonylphenols and Ethoxylates						
Nonylphenols	ug/L	0.1	0.1	3.6	1.0	
Nonylphenol Monoethoxylates	ug/L	0.5	0.5	14.5	<0.5	
Nonylphenol Diethoxylates	ug/L	1.2	1.2	<1	<1	
Nonylphenol Triethoxylates	ug/L	2	2	<2	<2	
t-Octylphenol	ug/L	0.03	0.02	0.17	0.15	
t-Octylphenol Monoethoxylate	ug/L	0.1	0.1	0.2	<0.1	
t-Octylphenol Diethoxylate	ug/L	0.2	0.2	<0.2	<0.2	
t-Octylphenol Triethoxylate	ug/L	0.5	0.5	<0.5	<0.5	
Total TEQ (CCME)	ug/L			11.1	1.17	
PCB						
Aroclor 1016	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1221	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1232	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1242	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1248	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1254	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1260	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1262	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Aroclor 1268	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Total PCBs	mg/L	0.00005	0.00005	<0.00005	<0.00005	
Pesticides, Organochlorine						
Aldrin	ug/L	1	1	<1	<1	
a-chlordane	ug/L	1	1	<1	<1	
g-chlordane	ug/L	1	1	<1	<1	
alpha-BHC	ug/L	1	1	<1	<1	
beta-BHC	ug/L	1	1	<1	<1	
delta-BHC	ug/L	1	1	<1	<1	
o,p-DDD	ug/L	1	1	<1	<1	
pp-DDD	ug/L	1	1	<1	<1	
o,p-DDE	ug/L	1	1	<1	<1	
pp-DDE	ug/L	1	1	<1	<1	
op-DDT	ug/L	1	1	<1	<1	
pp-DDT	ug/L	1	1	<1	<1	
Dieldrin	ug/L	1	1	<1	<1	
alpha-Endosulfan	ug/L	15	1	<15	<1	
beta-Endosulfan	ug/L	1	1	<1	<1	
Endosulfan Sulfate	ug/L	1	1	<1	<1	
Endrin	ug/L	1	1	<1	<1	
Endrin Aldehyde	ug/L	1	1	<1	<1	

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4'th Quarter Sampling		December 27, 2007			SEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab	
Heptachlor	ug/L	1	1	<1	<1	
Heptachlor Epoxide	ug/L	1	1	<1	<1	
Lindane	ug/L	1	1	<1	<1	
Methoxychlor	ug/L	1	1	<1	<1	
Mirex	ug/L	1	1	<1	<1	
Oxychlordane	ug/L	1	1	<1	<1	
2-Fluorobiphenyl	%			98	97	
d14-Terphenyl	%			112	98	
Phenoxyacid Herbicides by GC/MS						
2,4,5-TP	ug/L	0.5	0.5	<0.5	<0.5	
MCPA	ug/L	0.5	0.5	<0.5	<0.5	
Mecoprop	ug/L	0.5	0.5	<0.5	<0.5	
2,4,5-T	ug/L	0.5	0.5	<0.5	<0.5	
2,4-D	ug/L	0.5	0.5	<0.5	<0.5	
Bromoxynil	ug/L	0.5	0.5	<0.5	<0.5	
Dicamba	ug/L	0.5	0.5	<0.5	<0.5	
Dinoseb	ug/L	0.5	0.5	<0.5	<0.5	
Picloram	ug/L	0.5	0.5	<0.5	<0.5	
2,4-Dichlorophenylacetic Acid	%			96	56	
Target Compounds by GC/MS						
Octachlorostyrene	mg/L	0.005	0.0005	<0.005	<0.0005	
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.005	0.0005	<0.005	<0.0005	
Dinitropyrene	mg/L	0.2	0.02	<0.2	<0.02	
2-Fluorobiphenyl	%	37-123	37-123	107	71	
p-Terphenyl d14	%	41-143	41-143	113	71	
Volatile Organics						
1,1,1,2-Tetrachloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1,2,2-Tetrachloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1,1-Trichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1,2-Trichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dibromoethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1-Dichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,1-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dichloroethane	ug/L	0.5	0.5	<0.5	<0.5	
1,2-Dichloropropane	ug/L	0.5	0.5	<0.5	<0.5	
1,3-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5	
1,4-Dichlorobenzene	ug/L	0.5	0.5	3.5	0.7	
2-Hexanone	ug/L	20	20	<20	<20	
Acetone	ug/L	20	20	110	<20	
Benzene	ug/L	0.5	0.5	<0.5	<0.5	
Bromodichloromethane	ug/L	0.5	0.5	<0.5	<0.5	
Bromoform	ug/L	0.5	0.5	<0.5	<0.5	
Bromomethane	ug/L	1	1	<1	<1	
Carbon Disulfide	ug/L	0.5	0.5	5.8	8	

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4'th Quarter Sampling	December 27, 2007			SEWPCC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Carbon tetrachloride	ug/L	0.5	0.5	<0.5	<0.5	<0.5
Chlorobenzene	ug/L	0.5	0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	1	1	<1	<1	<1
Chloroform	ug/L	0.5	0.5	9.8	8.7	
Chloromethane	ug/L	1	1	<1	<1	<1
cis-1,2-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	ug/L	0.5	0.5	<0.5	<0.5	<0.5
Dibromochloromethane	ug/L	0.5	0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	ug/L	1	1	<1	<1	<1
Dichloromethane	ug/L	0.5	0.5	<0.5	<0.5	<0.5
Ethyl Benzene	ug/L	0.5	0.5	<0.5	<0.5	<0.5
m+p-Xylenes	ug/L	1	1	<1	<1	<1
Methyl Ethyl Ketone	ug/L	20	20	<20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20	<20
MTBE	ug/L	0.5	0.5	<0.5	<0.5	<0.5
o-Xylene	ug/L	0.5	0.5	<0.5	<0.5	<0.5
Styrene	ug/L	0.5	0.5	<0.5	<0.5	<0.5
Tetrachloroethylene	ug/L	0.5	0.5	<0.5	<0.5	<0.5
Toluene	ug/L	0.5	0.5	6.8	0.9	
trans-1,2-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	ug/L	0.5	0.5	<0.5	<0.5	<0.5
Trichloroethylene	ug/L	0.5	0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	ug/L	1	1	<1	<1	<1
Trihalomethanes (total)	ug/L	2	2	9.8	8.7	
Vinyl chloride	ug/L	0.5	0.5	<0.5	<0.5	<0.5
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5	<1.5
1,2-Dichloroethane d4	%			99	100	
Toluene-d8	%			97	97	
4-Bromofluorobenzene	%			104	104	

NOTES:

MDL- Method Detection Limit

mg/L- milligrams/Litre

mg/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

<- less than

NA- not analyzed

NR- not reported

1)Mercury (Hg)- Total : Not reported because sample was turbid and may not have been sufficiently preserved upon receipt.

* Total Metals were analyzed in-house on biweekly composite samples, and the reported results are quarterly averages. All other parameters were analyzed by contract laboratory.

This report was revised February 17, 2010 to include Total Metals data.