

**City Of Winnipeg
Water Waste Department**

West End Water Pollution Control Centre Quarterly Monitoring Report

1'st Quarter Sampling Parameter	February 15, 2011			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	mg/L	0.0010	0.0010	<0.0010	<0.0010
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0490	<0.0010
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	2.0	1.0	66.1	<1.0
Toxaphene	mg/L	0.00010	0.00010	<0.00010	<0.00010
Tributyltin	ug/L	0.005	0.005	<0.005	<0.005
Trout Bioassay	Pass/Fail			NA	Pass
Surrogate: Tributyltin Chloride-D27	%	50-150	50-150	305	113
Surrogate: 1,2-Dichloroethane-d4	%	70-125	70-125	99	101
Surrogate: 4-Bromofluorobenzene	%	72-125	72-125	102	101
Surrogate: Dibromofloromethane	%	71-125	71-125	100	100
Surrogate: Toluene-d8	%	75-125	75-125	103	100
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00145	0.00137
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000900	0.000039
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0023	<0.0010
Cobalt (Co)-Total	mg/L	0.00020	0.00020	0.00053	0.00045
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.123	0.00824
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00247	0.000407
Mercury (Hg)-Total	ng/L	1.0	1.0	57.8	3.5
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.0185	0.0154
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0052	0.0034
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0016	<0.0010
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.127	0.0337
Dioxins and Furans					
2378 TeCDD	pg/L	0.50	0.60	<0.50	<0.60
12378 PeCDD	pg/L	0.50	0.60	<0.50	<0.60
123478 HxCDD	pg/L	0.40	0.30	<0.40	<0.30
123678 HxCDD	pg/L	0.50	0.40	<0.50	<0.40
123789 HxCDD	pg/L	0.50	0.40	1.70	<0.40
1234678 HpCDD	pg/L	0.50	0.40	7.44	<0.40
OCDD	pg/L	2.0	0.50	85.7	4.56
Total TCDD	pg/L	0.50	0.60	3.57	<0.60
Total PeCDD	pg/L	0.50	0.60	<0.50	<0.60
Total HxCDD	pg/L	0.50	0.40	<0.50	<0.40
Total HpCDD	pg/L	0.50	0.40	<0.50	<0.40
Total PCDDs	pg/L	2.0	0.60	89.3	4.56
2378 TeCDF	pg/L	0.30	0.40	<0.30	<0.40
12378 PeCDF	pg/L	0.30	0.30	<0.30	<0.30
23478 PeCDF	pg/L	0.20	0.30	<0.20	<0.30
123478 HxCDF	pg/L	0.40	0.20	<0.40	1.30
123678 HxCDF	pg/L	0.30	0.20	<0.30	0.73
123789 HxCDF	pg/L	0.30	0.20	<0.30	<0.20
234678 HxCDF	pg/L	0.30	0.20	1.89	<0.20
1234678 HpCDF	pg/L	0.70	0.60	<0.70	<0.60
1234789 HpCDF	pg/L	0.90	0.90	<0.90	<0.90
OCDF	pg/L	0.80	0.70	21.9	<0.70
Total TCDF	pg/L	0.30	0.40	<0.30	<0.40
Total PeCDF	pg/L	0.30	0.30	<0.30	<0.30

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Total HxCDF	pg/L	0.40	0.20	2.89	2.31
Total HpCDF	pg/L	0.90	0.90	<0.90	<0.90
Total PCDFs	pg/L	0.90	0.90	24.8	2.31
Total TEQ (ND=0) (WHO Calc)	pg/L			0.47	0.20
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			1.12	0.96
Total TEQ (ND=DL) (WHO Calc)	pg/L			1.77	1.71
Surrogate: 13C12 2378 TeCDD	%	25-164	25-164	78	78
Surrogate: 13C12 12378 PeCDD	%	25-181	25-181	83	95
Surrogate: 13C12 123478 HxCDD	%	32-141	32-141	76	94
Surrogate: 13C12 123678 HxCDD	%	28-130	28-130	65	78
Surrogate: 13C12 1234678 HpCDD	%	23-140	23-140	76	84
Surrogate: 13C12 OCDD	%	17-157	17-157	65	62
Surrogate: 13C12 2378 TeCDF	%	24-169	24-169	80	88
Surrogate: 13C12 12378 PeCDF	%	25-185	25-185	69	86
Surrogate: 13C12 23478 PeCDF	%	21-178	21-178	79	91
Surrogate: 13C12 123478 HxCDF	%	26-152	26-152	49	75
Surrogate: 13C12 123678 HxCDF	%	26-123	26-123	79	94
Surrogate: 13C12 234678 HxCDF	%	28-136	28-136	77	93
Surrogate: 13C12 123789 HxCDF	%	29-147	29-147	81	94
Surrogate: 13C12 1234678 HpCDF	%	28-143	28-143	74	82
Surrogate: 13C12 1234789 HpCDF	%	26-138	26-138	83	95
Surrogate: 37C14 2378 TeCDD	%	35-197	35-197	80	79
EPA 8270 Extractables					
1,2,3-Trichlorobenzene	ug/L	40	0.40	<40	<0.40
1,2,4-Trichlorobenzene	ug/L	40	0.40	<40	<0.40
1,2-Dichlorobenzene	ug/L	40	0.40	<40	<0.40
1,3-Dichlorobenzene	ug/L	40	0.40	<40	<0.40
1,4-Dichlorobenzene	ug/L	40	0.40	<40	<0.40
1-Chloronaphthalene	ug/L	40	0.40	<40	<0.40
1-Methylnaphthalene	ug/L	40	0.40	<40	<0.40
2,3,4,5-Tetrachlorophenol	ug/L	50	0.50	<50	<0.50
2,3,4,6-Tetrachlorophenol	ug/L	50	0.50	<50	<0.50
2,3,4-Trichlorophenol	ug/L	50	0.50	<50	<0.50
2,3,5,6-Tetrachlorophenol	ug/L	50	0.50	<50	<0.50
2,3,5-Trichlorophenol	ug/L	50	0.50	<50	<0.50
2,4,5-Trichlorophenol	ug/L	50	0.50	<50	<0.50
2,4,6-Trichlorophenol	ug/L	50	0.50	<50	<0.50
2,4-Dichlorophenol	ug/L	30	0.30	<30	<0.30
2,4-Dimethylphenol	ug/L	50	0.50	<50	<0.50
2,4-Dinitrophenol	ug/L	100	1.0	<100	<1.0
2,4-Dinitrotoluene	ug/L	40	0.40	<40	<0.40
2,6-Dichlorophenol	ug/L	50	0.50	<50	<0.50
2,6-Dinitrotoluene	ug/L	40	0.40	<40	<0.40
2-Chloronaphthalene	ug/L	40	0.40	<40	<0.40
2-Chlorophenol	ug/L	30	0.30	<30	<0.30
2-Methylnaphthalene	ug/L	40	0.40	<40	<0.40
2-Methylphenol	ug/L	50	0.50	<50	<0.50
2-Nitrophenol	ug/L	50	0.50	<50	<0.50
3&4-Methylphenol	ug/L	50	0.50	156	<0.50
3,3'-Dichlorobenzidine	ug/L	40	0.40	<40	<0.40
4,6-Dinitro-2-methylphenol	ug/L	200	2.0	<200	<2.0
4-Bromophenyl phenyl ether	ug/L	40	0.40	<40	<0.40

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4-Chloro-3-methylphenol	ug/L	50	0.50	<50	<0.50
4-Chloroaniline	ug/L	40	0.40	<40	<0.40
4-Chlorophenyl phenyl ether	ug/L	40	0.40	<40	<0.40
4-Nitrophenol	ug/L	50	0.50	<50	<0.50
5-Nitroacenaphthene	ug/L	40	0.40	<40	<0.40
Acenaphthene	ug/L	20	0.20	<20	<0.20
Acenaphthylene	ug/L	20	0.20	<20	<0.20
Anthracene	ug/L	20	0.20	<20	<0.20
Benzo(a)anthracene	ug/L	20	0.20	<20	<0.20
Benzo(a)pyrene	ug/L	5.0	0.050	<5.0	<0.050
Benzo(b)fluoranthene	ug/L	20	0.20	<20	<0.20
Benzo(ghi)perylene	ug/L	20	0.20	<20	<0.20
Benzo(k)fluoranthene	ug/L	20	0.20	<20	<0.20
Biphenyl	ug/L	40	0.40	<40	<0.40
Bis(2-chloroethoxy)methane	ug/L	40	0.40	<40	<0.40
Bis(2-chloroethyl)ether	ug/L	40	0.40	<40	<0.40
Bis(2-chloroisopropyl)ether	ug/L	40	0.40	<40	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	200	2.0	<200	<2.0
Butylbenzyl phthalate	ug/L	40	0.40	<40	<0.40
Camphene	ug/L	40	0.40	<40	<0.40
Chrysene	ug/L	20	0.20	<20	<0.20
Cresols (total)	ug/L	100	1.0	160	<1.0
Dibenzo(a,h)anthracene	ug/L	20	0.20	<20	<0.20
Dibenzofuran	ug/L	20	0.20	<20	<0.20
Diethylphthalate	ug/L	20	0.20	<20	<0.20
Dimethylphthalate	ug/L	20	0.20	<20	<0.20
Di-n-butylphthalate	ug/L	200	2.0	<200	<2.0
Di-n-octylphthalate	ug/L	40	0.40	<40	<0.40
Diphenyl ether	ug/L	40	0.40	<40	<0.40
Diphenylamine	ug/L	40	0.40	<40	<0.40
Fluoranthene	ug/L	20	0.20	<20	<0.20
Fluorene	ug/L	20	0.20	<20	<0.20
Hexachlorobenzene	ug/L	4.0	0.040	<4.0	<0.040
Hexachlorobutadiene	ug/L	20	0.20	<20	<0.20
Hexachlorocyclopentadiene	ug/L	40	0.40	<40	<0.40
Hexachloroethane	ug/L	40	0.40	<40	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	20	0.20	<20	<0.20
Indole	ug/L	40	0.40	<40	<0.40
Isophorone	ug/L	40	0.40	<40	<0.40
Naphthalene	ug/L	20	0.20	<20	<0.20
Nitrobenzene	ug/L	40	0.40	<40	<0.40
N-Nitroso-di-n-propylamine	ug/L	40	0.40	<40	<0.40
Pentachlorophenol	ug/L	50	0.50	<50	<0.50
Perylene	ug/L	20	0.20	<20	<0.20
Phenanthrene	ug/L	20	0.20	<20	<0.20
Phenol	ug/L	50	0.50	<50	<0.50
Pyrene	ug/L	20	0.20	<20	<0.20
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	0*	85
Surrogate: 2,4,6-Tribromophenol	%	40-150	40-150	0*	100
Surrogate: Nitrobenzene d5	%	50-130	50-130	0*	103
Surrogate: p-Terphenyl d14	%	50-150	50-150	0*	94
Surrogate: Phenol d5	%	30-130	30-130	0*	68

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Low Level Nonylphenols and Ethoxylates					
Nonylphenols	ug/L	0.10	0.10	3.00	0.36
Nonylphenol Monoethoxylates	ug/L	0.50	0.50	18.9	0.57
Nonylphenol Diethoxylates	ug/L	1.2	1.2	5.7	2.2
Nonylphenol Triethoxylates	ug/L	2.0	2.0	8.0	<2.0
t-Octylphenol	ug/L	0.020	0.020	<0.020	0.060
t-Octylphenol Monoethoxylate	ug/L	0.10	0.10	0.19	<0.10
t-Octylphenol Diethoxylate	ug/L	0.20	0.20	<0.20	<0.20
t-Octylphenol Triethoxylate	ug/L	0.50	0.50	<0.50	<0.50
TOTAL TEQ (CCME)	ug/L			19	1.8
PCB					
Aroclor 1016	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1221	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1232	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1242	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1248	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1254	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1260	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1262	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1268	mg/L	0.000050	0.000050	<0.000050	<0.000050
Total PCBs	mg/L	0.000050	0.000050	<0.000050	<0.000050
Surrogate: Decachlorobiphenyl	%	50-150	50-150	92	112
Pesticides, Organochlorine					
a-chlordane	ug/L	10	1.0	<10	<1.0
Aldrin	ug/L	10	1.0	<10	<1.0
alpha-BHC	ug/L	10	1.0	<10	<1.0
alpha-Endosulfan	ug/L	10	1.0	<10	<1.0
beta-BHC	ug/L	10	1.0	<10	<1.0
beta-Endosulfan	ug/L	10	1.0	<10	<1.0
delta-BHC	ug/L	10	1.0	<10	<1.0
Dieldrin	ug/L	10	1.0	<10	<1.0
Endosulfan Sulfate	ug/L	10	1.0	<10	<1.0
Endrin	ug/L	10	1.0	<10	<1.0
Endrin Aldehyde	ug/L	10	1.0	<10	<1.0
g-chlordane	ug/L	10	1.0	<10	<1.0
Heptachlor	ug/L	10	1.0	<10	<1.0
Heptachlor Epoxide	ug/L	10	1.0	<10	<1.0
Lindane	ug/L	10	1.0	<10	<1.0
Methoxychlor	ug/L	10	1.0	<10	<1.0
Mirex	ug/L	10	1.0	<10	<1.0
o,p-DDE	ug/L	10	1.0	<10	<1.0
op-DDD	ug/L	10	1.0	<10	<1.0
op-DDT	ug/L	10	1.0	<10	<1.0
Oxychlordane	ug/L	10	1.0	<10	<1.0
pp-DDD	ug/L	10	1.0	<10	<1.0
pp-DDE	ug/L	10	1.0	<10	<1.0
pp-DDT	ug/L	10	1.0	<10	<1.0
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	0*	76
Surrogate: d14-Terphenyl	%	50-150	50-150	0*	126

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Phenoxyacid Herbicides by GC/MS					
2,4,5-T	ug/L	5.0	0.50	<5.0	<0.50
2,4,5-TP	ug/L	5.0	0.50	<5.0	<0.50
2,4-D	ug/L	5.0	0.50	<5.0	<0.50
Bromoxynil	ug/L	5.0	0.50	<5.0	<0.50
Dicamba	ug/L	5.0	0.50	<5.0	<0.50
Dinoseb	ug/L	5.0	0.50	<5.0	<0.50
MCPA	ug/L	5.0	0.50	<5.0	<0.50
Mecoprop	ug/L	5.0	0.50	<5.0	<0.50
Picloram	ug/L	5.0	0.50	<5.0	<0.50
Surrogate: 2,4-Dichlorophenylacetic Acid	%	50-130	50-130	90	91
Target Compounds by GC/MS					
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dinitropyrene	mg/L	0.020	0.020	<0.020	<0.020
Octachlorostyrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Surrogate: 2-Fluorobiphenyl	%	40-130	40-130	40	65
Surrogate: p-Terphenyl d14	%	40-130	40-130	62	79
Volatile Organics					
1,1,1,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dibromoethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloropropane	ug/L	0.50	0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
2-Hexanone	ug/L	20	20	<20	<20
Acetone	ug/L	20	20	33	<20
Benzene	ug/L	0.50	0.50	<0.50	<0.50
Bromodichloromethane	ug/L	0.50	0.50	<0.50	<0.50
Bromoform	ug/L	0.50	0.50	<0.50	<0.50
Bromomethane	ug/L	1.0	1.0	<1.0	<1.0
Carbon Disulfide	ug/L	0.50	0.50	0.85	<0.50
Carbon tetrachloride	ug/L	0.50	0.50	<0.50	<0.50
Chlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
Chloroethane	ug/L	1.0	1.0	<1.0	<1.0
Chloroform	ug/L	0.50	0.50	2.62	0.82
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	0.50	0.50	<0.50	<0.50
Dibromochloromethane	ug/L	0.50	0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Dichloromethane	ug/L	0.50	0.50	<0.50	<0.50
Ethyl Benzene	ug/L	0.50	0.50	<0.50	<0.50
m+p-Xylenes	ug/L	1.0	1.0	<1.0	<1.0
Methyl Ethyl Ketone	ug/L	20	20	<20	<20

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Methyl Isobutyl Ketone	ug/L	20	20	<20	<20
MTBE	ug/L	0.50	0.50	<0.50	<0.50
o-Xylene	ug/L	0.50	0.50	<0.50	<0.50
Styrene	ug/L	0.50	0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Toluene	ug/L	0.50	0.50	4.26	<0.50
trans-1,2-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
trans-1,3-Dichloropropene	ug/L	0.50	0.50	<0.50	<0.50
Trichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Trihalomethanes (total)	ug/L	2.0	2.0	2.6	<2.0
Vinyl chloride	ug/L	0.50	0.50	<0.50	<0.50
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5
Surrogate: 1,2-Dichloroethane d4	%	50-150	50-150	96	106
Surrogate: Toluene-d8	%	70-130	70-130	97	97
Surrogate: 4-Bromofluorobenzene	%	50-150	50-150	113	130

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

All parameters were analyzed by contract laboratory.

**Surrogate diluted out: % recovery not available*

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2'nd Quarter Sampling Parameter	May 16, 2011			WEWPCC	
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Miscellaneous					
Chromium, Hexavalent	mg/L	0.0010	0.0010	<0.0010	<0.0010
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0190	<0.0010
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	1.0	1.0	33.7	<1.0
Toxaphene	mg/L	0.00010	0.00010	<0.00010	<0.00010
Tributyltin	ug/L	0.005	0.005	<0.005	<0.005
Trout Bioassay	Pass/Fail			NA	Pass
Surrogate: Tributyltin Chloride-D27	%	50-150	50-150	97	109
Surrogate: 1,2-Dichloroethane-d4	%	70-125	70-125	103	102
Surrogate: 4-Bromofluorobenzene	%	72-125	72-125	106	101
Surrogate: Dibromofloromethane	%	71-125	71-125	102	99
Surrogate: Toluene-d8	%	75-125	75-125	106	99
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.0021	0.00218
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000110	0.000049
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0015	0.0018
Cobalt (Co)-Total	mg/L	0.00020	0.00020	0.00059	0.00052
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.0825	0.0065
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00179	0.000924
Mercury (Hg)-Total	ng/L	1.0	1.0	46.7	3.2
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00539	0.00653
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0042	0.0033
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0036	<0.0010
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.0994	0.0708
Dioxins and Furans					
2378 TeCDD	pg/L	0.40	0.30	2.72	<0.30
12378 PeCDD	pg/L	0.30	0.20	<0.30	<0.20
123478 HxCDD	pg/L	0.30	0.20	<0.30	<0.20
123678 HxCDD	pg/L	0.40	0.30	<0.40	<0.30
123789 HxCDD	pg/L	0.30	0.20	<0.30	<0.20
1234678 HpCDD	pg/L	0.40	0.30	4.32	2.30
OCDD	pg/L	0.70	0.50	32.9	7.65
Total TCDD	pg/L	0.40	0.30	46.8	<0.30
Total PeCDD	pg/L	0.30	0.20	<0.30	<0.20
Total HxCDD	pg/L	0.40	0.30	<0.40	<0.30
Total HpCDD	pg/L	0.40	0.30	<0.40	<0.30
Total PCDDs	pg/L	0.70	0.50	79.7	7.65
2378 TeCDF	pg/L	0.20	0.20	<0.20	<0.20
12378 PeCDF	pg/L	0.20	0.10	<0.20	<0.10
23478 PeCDF	pg/L	0.20	0.10	<0.20	<0.10
123478 HxCDF	pg/L	0.20	0.10	<0.20	<0.10
123678 HxCDF	pg/L	0.20	0.10	<0.20	<0.10
123789 HxCDF	pg/L	0.20	0.10	<0.20	<0.10
234678 HxCDF	pg/L	0.20	0.10	<0.20	<0.10
1234678 HpCDF	pg/L	0.30	0.30	1.88	<0.30
1234789 HpCDF	pg/L	0.40	0.40	<0.40	<0.40
OCDF	pg/L	0.40	0.40	3.6	<0.40
Total TCDF	pg/L	0.20	0.20	<0.20	<0.20
Total PeCDF	pg/L	0.20	0.10	<0.20	<0.10

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Total HxCDF	pg/L	0.20	0.10	<0.20	<0.10
Total HpCDF	pg/L	0.40	0.40	<0.40	<0.40
Total PCDFs	pg/L	0.40	0.40	3.6	<0.40
Total TEQ (ND=0) (WHO Calc)	pg/L			2.79	0.03
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			3.08	0.36
Total TEQ (ND=DL) (WHO Calc)	pg/L			3.36	0.70
Surrogate: 13C12 2378 TeCDD	%	25-164	25-164	84	80
Surrogate: 13C12 12378 PeCDD	%	25-181	25-181	127	128
Surrogate: 13C12 123478 HxCDD	%	32-141	32-141	82	79
Surrogate: 13C12 123678 HxCDD	%	28-130	28-130	70	74
Surrogate: 13C12 1234678 HpCDD	%	23-140	23-140	85	82
Surrogate: 13C12 OCDD	%	17-157	17-157	90	85
Surrogate: 13C12 2378 TeCDF	%	24-169	24-169	83	78
Surrogate: 13C12 12378 PeCDF	%	25-185	25-185	94	95
Surrogate: 13C12 23478 PeCDF	%	21-178	21-178	103	101
Surrogate: 13C12 123478 HxCDF	%	26-152	26-152	71	73
Surrogate: 13C12 123678 HxCDF	%	26-123	26-123	77	74
Surrogate: 13C12 234678 HxCDF	%	28-136	28-136	77	77
Surrogate: 13C12 123789 HxCDF	%	29-147	29-147	81	80
Surrogate: 13C12 1234678 HpCDF	%	28-143	28-143	76	75
Surrogate: 13C12 1234789 HpCDF	%	26-138	26-138	84	86
Surrogate: 37C14 2378 TeCDD	%	35-197	35-197	85	81
EPA 8270 Extractables					
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
1,2-Dichlorobenzene	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
1-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40
1-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40
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
2,3,4-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
2,3,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
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
2,4-Dichlorophenol	ug/L	0.3	0.30	<0.3	<0.30
2,4-Dimethylphenol	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dinitrophenol	ug/L	10	1.0	<10	<1.0
2,4-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40
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
2-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40
2-Chlorophenol	ug/L	0.3	0.30	<0.3	<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
3&4-Methylphenol	ug/L	5.0	0.50	11.4	<0.50
3,3'-Dichlorobenzidine	ug/L	4.0	0.40	<4.0	<0.40
4,6-Dinitro-2-methylphenol	ug/L	20	2.0	<20	<2.0
4-Bromophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40

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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
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	0.5	0.050	<0.5	<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	1.0	1.0	11.4	<1.0
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	2.0	<0.20
Dimethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Di-n-butylphthalate	ug/L	20	2.0	<20	<2.0
Di-n-octylphthalate	ug/L	4.0	0.40	<4.0	<0.40
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	0.4	0.040	<0.4	<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	24.3	<0.40
Isophorone	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
N-Nitroso-di-n-propylamine	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	13.8	<0.50
Pyrene	ug/L	2.0	0.20	<2.0	<0.20
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	53	70
Surrogate: 2,4,6-Tribromophenol	%	40-150	40-150	111	105
Surrogate: Nitrobenzene d5	%	50-130	50-130	80	84
Surrogate: p-Terphenyl d14	%	50-150	50-150	40	82
Surrogate: Phenol d5	%	30-130	30-130	45	41

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Low Level Nonylphenols and Ethoxylates					
Nonylphenols	ug/L	0.40	0.40	1.40	1.70
Nonylphenol Monoethoxylates	ug/L	0.50	0.50	<0.50	<0.50
Nonylphenol Diethoxylates	ug/L	1.2	1.2	<1.2	<1.2
t-Octylphenol	ug/L	0.020	0.020	<0.020	0.035
t-Octylphenol Monoethoxylate	ug/L	0.10	0.10	0.11	<0.10
t-Octylphenol Diethoxylate	ug/L	0.20	0.20	<0.20	<0.20
t-Octylphenol Triethoxylate	ug/L	0.50	0.50	<0.50	<0.50
TOTAL TEQ (CCME)	ug/L			1.5	1.7
PCB					
Aroclor 1016	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1221	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1232	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1242	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1248	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1254	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1260	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1262	mg/L	0.000050	0.000050	<0.000050	<0.000050
Aroclor 1268	mg/L	0.000050	0.000050	<0.000050	<0.000050
Total PCBs	mg/L	0.000050	0.000050	<0.000050	<0.000050
Surrogate: Decachlorobiphenyl	%	50-150	50-150	73	88
Pesticides, Organochlorine					
a-chlordane	ug/L	1.0	0.1	<1.0	<0.1
Aldrin	ug/L	1.0	0.1	<1.0	<0.1
alpha-BHC	ug/L	1.0	0.1	<1.0	<0.1
alpha-Endosulfan	ug/L	1.0	0.1	<1.0	<0.1
beta-BHC	ug/L	1.0	0.1	<1.0	<0.1
beta-Endosulfan	ug/L	1.0	0.1	<1.0	<0.1
delta-BHC	ug/L	1.0	0.1	<1.0	<0.1
Dieldrin	ug/L	1.0	0.1	<1.0	<0.1
Endosulfan Sulfate	ug/L	1.0	0.1	<1.0	<0.1
Endrin	ug/L	1.0	0.1	<1.0	<0.1
Endrin Aldehyde	ug/L	1.0	0.1	<1.0	<0.1
g-chlordane	ug/L	1.0	0.1	<1.0	<0.1
Heptachlor	ug/L	1.0	0.1	<1.0	<0.1
Heptachlor Epoxide	ug/L	1.0	0.1	<1.0	<0.1
Lindane	ug/L	1.0	0.1	<1.0	<0.1
Methoxychlor	ug/L	1.0	0.1	<1.0	<0.1
Mirex	ug/L	1.0	0.1	<1.0	<0.1
o,p-DDE	ug/L	1.0	0.1	<1.0	<0.1
op-DDD	ug/L	1.0	0.1	<1.0	<0.1
op-DDT	ug/L	1.0	0.1	<1.0	<0.1
Oxychlordane	ug/L	1.0	0.1	<1.0	<0.1
pp-DDD	ug/L	1.0	0.1	<1.0	<0.1
pp-DDE	ug/L	1.0	0.1	<1.0	<0.1
pp-DDT	ug/L	1.0	0.1	<1.0	<0.1
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	89	86
Surrogate: d14-Terphenyl	%	50-150	50-150	91	99

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Phenoxyacid Herbicides by GC/MS						
2,4,5-T	ug/L	0.50	0.50	<0.50	<0.50	
2,4,5-TP	ug/L	0.50	0.50	<0.50	<0.50	
2,4-D	ug/L	0.50	0.50	0.57	<0.50	
Bromoxynil	ug/L	0.50	0.50	<0.50	<0.50	
Dicamba	ug/L	0.50	0.50	<0.50	<0.50	
Dinoseb	ug/L	0.50	0.50	<0.50	<0.50	
MCPA	ug/L	0.50	0.50	<0.50	<0.50	
Mecoprop	ug/L	0.50	0.50	<0.50	<0.50	
Picloram	ug/L	0.50	0.50	<0.50	<0.50	
Surrogate: 2,4-Dichlorophenylacetic Acid	%	50-130	50-130	89	114	
Target Compounds by GC/MS						
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Dinitropyrene	mg/L	0.020	0.020	<0.020	<0.020	
Octachlorostyrene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Surrogate: 2-Fluorobiphenyl	%	40-130	40-130	108	82	
Surrogate: p-Terphenyl d14	%	40-130	40-130	90	92	
Volatile Organics						
1,1,1,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50	
1,1,1-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50	
1,1,2,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50	
1,1,2-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50	
1,1-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50	
1,1-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50	
1,2-Dibromoethane	ug/L	0.50	0.50	<0.50	<0.50	
1,2-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50	
1,2-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50	
1,2-Dichloropropane	ug/L	0.50	0.50	<0.50	<0.50	
1,3-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50	
1,4-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50	
2-Hexanone	ug/L	20	20	<20	<20	
Acetone	ug/L	20	20	50	<20	
Benzene	ug/L	0.50	0.50	<0.50	<0.50	
Bromodichloromethane	ug/L	0.50	0.50	<0.50	<0.50	
Bromoform	ug/L	0.50	0.50	<0.50	<0.50	
Bromomethane	ug/L	1.0	1.0	<1.0	<1.0	
Carbon Disulfide	ug/L	0.50	0.50	<0.50	<0.50	
Carbon tetrachloride	ug/L	0.50	0.50	<0.50	<0.50	
Chlorobenzene	ug/L	0.50	0.50	<0.50	<0.50	
Chloroethane	ug/L	1.0	1.0	<1.0	<1.0	
Chloroform	ug/L	0.50	0.50	3.32	<0.50	
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0	
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50	
cis-1,3-Dichloropropene	ug/L	0.50	0.50	<0.50	<0.50	
Dibromochloromethane	ug/L	0.50	0.50	<0.50	<0.50	
Dichlorodifluoromethane	ug/L	1.0	1.0	<1.0	<1.0	
Dichloromethane	ug/L	0.50	0.50	<0.50	<0.50	
Ethyl Benzene	ug/L	0.50	0.50	<0.50	<0.50	
m+p-Xylenes	ug/L	1.0	1.0	<1.0	<1.0	

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Methyl Ethyl Ketone	ug/L	20	20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20
MTBE	ug/L	0.50	0.50	<0.50	<0.50
o-Xylene	ug/L	0.50	0.50	<0.50	<0.50
Styrene	ug/L	0.50	0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Toluene	ug/L	0.50	0.50	1.56	<0.50
trans-1,2-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
trans-1,3-Dichloropropene	ug/L	0.50	0.50	<0.50	<0.50
Trichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Trihalomethanes (total)	ug/L	2.0	2.0	3.3	<2.0
Vinyl chloride	ug/L	0.50	0.50	<0.50	<0.50
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5
Surrogate: 1,2-Dichloroethane d4	%	50-150	50-150	148	132
Surrogate: Toluene-d8	%	70-130	70-130	106	103
Surrogate: 4-Bromofluorobenzene	%	50-150	50-150	87	105

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

All parameters were analyzed by contract laboratory.

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3'rd Quarter Sampling Parameter	August 9, 2011			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	mg/L	0.0010	0.0010	0.0012	<0.0010
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0290	<0.0010
Tetraethyl Lead	ug/L	0.0070	0.00070	<0.0070	<0.00070
Total Oil and Grease	mg/L	1.0	1.0	25.5	<1.0
Toxaphene	mg/L	0.03	0.0015	<0.03	<0.0015
Tributyltin	ug/L	0.005	0.005	<0.005	<0.005
Trout Bioassay	Pass/Fail			NA	Pass
Surrogate: Tributyltin Chloride-D27	%	50-150	50-150	247	252
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00248	0.00248
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000137	0.000026
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0017	<0.0010
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.069	0.0048
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00151	0.000387
Mercury (Hg)-Total	ng/L	1.0	1.0	67	3.6
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00377	0.00534
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0036	0.003
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.002	0.0016
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.0663	<0.0050
Dioxins and Furans					
2378 TeCDD	pg/L	2.0	0.43	<2.0	<0.43
12378 PeCDD	pg/L	2.6	1.8	<2.6	<1.8
123478 HxCDD	pg/L	1.5	0.65	<1.5	<0.65
123678 HxCDD	pg/L	1.6	0.67	<1.6	<0.67
123789 HxCDD	pg/L	1.5	0.66	<1.5	<0.66
1234678 HpCDD	pg/L	3.6	2.5	11.3	<2.5
OCDD	pg/L	11.0	6.6	84.0	6.8
Total TCDD	pg/L	2.0	0.43	<2.0	<0.43
Total PeCDD	pg/L	2.6	1.8	3.0	<1.8
Total HxCDD	pg/L	1.6	0.67	<1.6	<0.67
Total HpCDD	pg/L	3.6	2.5	11.3	<2.5
2378 TeCDF	pg/L	0.9	0.27	<0.94	<0.27
12378 PeCDF	pg/L	1.3	0.97	<1.3	<0.97
23478 PeCDF	pg/L	1.3	0.89	<1.3	<0.89
123478 HxCDF	pg/L	1.7	0.48	<1.7	<0.48
123678 HxCDF	pg/L	1.7	0.50	<1.7	<0.50
123789 HxCDF	pg/L	1.7	0.55	<1.7	<0.55
234678 HxCDF	pg/L	2.1	0.64	<2.1	<0.64
1234678 HpCDF	pg/L	1.6	0.47	5.6	<0.47
1234789 HpCDF	pg/L	2.3	0.65	<2.3	<0.65
OCDF	pg/L	5.5	2.4	11.8	<2.4
Total TCDF	pg/L	0.9	0.27	15.1	<0.27
Total PeCDF	pg/L	1.3	0.97	4.2	<0.97
Total HxCDF	pg/L	2.1	0.64	<2.1	<0.64
Total HpCDF	pg/L	2.3	0.65	9.4	<0.65
Total TEQ (ND=0) (WHO Calc)	pg/L			0.197	0.00204
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			3.69	1.9
Total TEQ (ND=DL) (WHO Calc)	pg/L			6.52	3.01

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Surrogate: 13C12 2378 TeCDD	%	20-175	20-175	52	89
Surrogate: 13C12 12378 PeCDD	%	21-227	21-227	50	100
Surrogate: 13C12 123478 HxCDD	%	21-193	21-193	56	71
Surrogate: 13C12 123678 HxCDD	%	25-163	25-163	49	72
Surrogate: 13C12 1234678 HpCDD	%	23-166	23-166	44	61
Surrogate: 13C12 OCDD	%	13-157	13-157	29	47
Surrogate: 13C12 2378 TeCDF	%	22-169	22-169	48	93
Surrogate: 13C12 12378 PeCDF	%	24-185	24-185	65	108
Surrogate: 13C12 23478 PeCDF	%	21-178	21-178	59	107
Surrogate: 13C12 123478 HxCDF	%	26-152	26-152	56	82
Surrogate: 13C12 123678 HxCDF	%	21-159	21-159	53	78
Surrogate: 13C12 234678 HxCDF	%	17-205	17-205	53	75
Surrogate: 13C12 123789 HxCDF	%	28-136	28-136	54	73
Surrogate: 13C12 1234678 HpCDF	%	21-158	21-158	46	64
Surrogate: 13C12 1234789 HpCDF	%	20-186	20-186	45	62
Surrogate: 37C14 2378 TeCDD	%	31-197	31-197	60	83
EPA 8270 Extractables					
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
1,2-Dichlorobenzene	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
1-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40
1-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40
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
2,3,4-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
2,3,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
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
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	<10	<1.0
2,4-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40
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
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
3&4-Methylphenol	ug/L	5.0	0.50	47.5	<0.50
3,3'-Dichlorobenzidine	ug/L	4.0	0.40	<4.0	<0.40
4,6-Dinitro-2-methylphenol	ug/L	20	2.0	<20	<2.0
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

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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
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	0.5	0.050	<0.5	<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	10	1.0	48	<1.0
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	2.0	<0.20
Dimethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Di-n-butylphthalate	ug/L	20	2.0	<20	<2.0
Di-n-octylphthalate	ug/L	4.0	0.40	<4.0	<0.40
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	0.4	0.040	<0.4	<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	6.0	<0.40
Isophorone	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
N-Nitroso-di-n-propylamine	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	15.2	<0.50
Pyrene	ug/L	2.0	0.20	<2.0	<0.20
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	153	87
Surrogate: 2,4,6-Tribromophenol	%	40-150	40-150	131	123
Surrogate: Nitrobenzene d5	%	50-130	50-130	65	90
Surrogate: p-Terphenyl d14	%	50-150	50-150	60	116
Surrogate: Phenol d5	%	30-130	30-130	70	67

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
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	0.1	0.1	0.24	<0.10
t-Octylphenol	ug/L	1.0	1.0	<1.0	<1.0
t-Octylphenol Monoethoxylate	ug/L	2.0	2.0	<2.0	<2.0
t-Octylphenol Diethoxylate	ug/L	0.1	0.1	<0.10	<0.10
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
Surrogate: Decachlorobiphenyl	%	50-150	50-150	64	76
Pesticides, Organochlorine					
a-chlordane	ug/L	10.0	1.0	<10.0	<1.0
Aldrin	ug/L	10.0	1.0	<10.0	<1.0
alpha-BHC	ug/L	10.0	1.0	<10.0	<1.0
alpha-Endosulfan	ug/L	10.0	1.0	<10.0	<1.0
beta-BHC	ug/L	10.0	1.0	<10.0	<1.0
beta-Endosulfan	ug/L	10.0	1.0	<10.0	<1.0
delta-BHC	ug/L	10.0	1.0	<10.0	<1.0
Dieldrin	ug/L	10.0	1.0	<10.0	<1.0
Endosulfan Sulfate	ug/L	10.0	1.0	<10.0	<1.0
Endrin	ug/L	10.0	1.0	<10.0	<1.0
Endrin Aldehyde	ug/L	10.0	1.0	<10.0	<1.0
g-chlordane	ug/L	10.0	1.0	<10.0	<1.0
Heptachlor	ug/L	10.0	1.0	<10.0	<1.0
Heptachlor Epoxide	ug/L	10.0	1.0	<10.0	<1.0
Lindane	ug/L	10.0	1.0	<10.0	<1.0
Methoxychlor	ug/L	10.0	1.0	<10.0	<1.0
Mirex	ug/L	10.0	1.0	<10.0	<1.0
o,p-DDE	ug/L	10.0	1.0	<10.0	<1.0
op-DDD	ug/L	10.0	1.0	<10.0	<1.0
op-DDT	ug/L	10.0	1.0	<10.0	<1.0
Oxychlordane	ug/L	10.0	1.0	<10.0	<1.0
pp-DDD	ug/L	10.0	1.0	<10.0	<1.0
pp-DDE	ug/L	10.0	1.0	<10.0	<1.0
pp-DDT	ug/L	10.0	1.0	<10.0	<1.0
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	0*	67
Surrogate: d14-Terphenyl	%	50-150	50-150	0*	76

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Phenoxyacid Herbicides by GC/MS					
2,4,5-T	ug/L	5.0	5.0	<5.0	<5.0
2,4,5-TP	ug/L	5.0	5.0	<5.0	<5.0
2,4-D	ug/L	5.0	5.0	<5.0	<5.0
Bromoxynil	ug/L	5.0	5.0	<5.0	<5.0
Dicamba	ug/L	5.0	5.0	<5.0	<5.0
Dinoseb	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
Picloram	ug/L	5.0	5.0	<5.0	<5.0
Surrogate: 2,4-Dichlorophenylacetic Acid	%	50-130	50-130	61	96
Target Compounds by GC/MS					
Octachlorostyrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	90	88
Surrogate: p-Terphenyl d14	%	50-150	50-150	92	80
Volatile Organics					
1,1,1,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dibromoethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloropropane	ug/L	0.50	0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
2-Hexanone	ug/L	20	20	<20	<20
Acetone	ug/L	20	20	71	<20
Benzene	ug/L	0.50	0.50	<0.50	<0.50
Bromodichloromethane	ug/L	0.50	0.50	<0.50	<0.50
Bromoform	ug/L	0.50	0.50	<0.50	<0.50
Bromomethane	ug/L	1.0	1.0	<1.0	<1.0
Carbon Disulfide	ug/L	0.50	0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	0.50	0.50	<0.50	<0.50
Chlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
Chloroethane	ug/L	1.0	1.0	<1.0	<1.0
Chloroform	ug/L	0.50	0.50	4.05	<0.50
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	0.50	0.50	<0.50	<0.50
Dibromochloromethane	ug/L	0.50	0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Dichloromethane	ug/L	0.50	0.50	<0.50	<0.50
Ethyl Benzene	ug/L	0.50	0.50	<0.50	<0.50
m+p-Xylenes	ug/L	1.0	1.0	<1.0	<1.0

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Methyl Ethyl Ketone	ug/L	20	20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20
MTBE	ug/L	0.50	0.50	<0.50	<0.50
o-Xylene	ug/L	0.50	0.50	<0.50	<0.50
Styrene	ug/L	0.50	0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Toluene	ug/L	0.50	0.50	2.44	<0.50
trans-1,2-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
trans-1,3-Dichloropropene	ug/L	0.50	0.50	<0.50	<0.50
Trichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Trihalomethanes (total)	ug/L	2.0	2.0	4.1	<2.0
Vinyl chloride	ug/L	0.50	0.50	<0.50	<0.50
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5
Surrogate: 1,2-Dichloroethane d4	%	50-150	50-150	114	91
Surrogate: Toluene-d8	%	70-130	70-130	94	97
Surrogate: 4-Bromofluorobenzene	%	50-150	50-150	88	111

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

All parameters were analyzed by contract laboratory.

**Surrogate diluted out: % recovery not available*

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4'th Quarter Sampling Parameter	November 1, 2011			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	mg/L	0.0010	0.0010	<0.0010	<0.0010
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0570	0.0030
Tetraethyl Lead	ug/L	0.0070	0.007	<0.0070	<0.007
Total Oil and Grease	mg/L	2.0	2.0	28.9	<2.0
Toxaphene	mg/L	0.50	0.002	<0.50	<0.002
Tributyltin	ug/L	0.005	0.005	<0.005	<0.005
Trout Bioassay	Pass/Fail			NA	Pass
Surrogate: Tributyltin Chloride-D27	%	50-150	50-150	64	79
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00117	0.00206
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000144	0.000043
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0017	0.0014
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.0889	0.00515
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00168	0.000557
Mercury (Hg)-Total	ng/L	10.0	0.5	77	7.6
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.0166	0.00539
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.005	0.0037
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0013	0.0015
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.0757	0.0126
Dioxins and Furans					
2378 TeCDD	pg/L	0.71	0.69	<0.71	<0.69
12378 PeCDD	pg/L	2.2	1.4	<2.2	<1.4
123478 HxCDD	pg/L	1.0	0.67	<1.0	<0.67
123678 HxCDD	pg/L	1.0	0.72	<1.0	<0.72
123789 HxCDD	pg/L	1.1	0.71	<1.1	<0.71
1234678 HpCDD	pg/L	0.95	0.95	5.3	2.00
OCDD	pg/L	3.2	3.20	35.3	8.3
Total TCDD	pg/L	0.71	0.69	<0.71	<0.69
Total PeCDD	pg/L	2.2	1.4	<2.2	<1.4
Total HxCDD	pg/L	1.1	0.72	<1.1	<0.72
Total HpCDD	pg/L	0.95	0.95	10	<0.95
2378 TeCDF	pg/L	0.79	0.48	<0.79	<0.48
12378 PeCDF	pg/L	0.92	0.95	<0.92	<0.95
23478 PeCDF	pg/L	0.86	0.83	<0.86	<0.83
123478 HxCDF	pg/L	0.63	0.28	<0.63	<0.28
123678 HxCDF	pg/L	0.66	0.28	<0.66	<0.28
123789 HxCDF	pg/L	0.80	0.35	<0.80	<0.35
234678 HxCDF	pg/L	0.70	0.28	<0.70	<0.28
1234678 HpCDF	pg/L	0.56	0.56	1.68	<0.56
1234789 HpCDF	pg/L	1.3	0.79	<1.3	<0.79
OCDF	pg/L	3.0	1.60	<3.0	<1.6
Total TCDF	pg/L	0.79	0.48	<0.79	<0.48
Total PeCDF	pg/L	0.92	0.95	<0.92	<0.95
Total HxCDF	pg/L	0.80	0.35	<0.8	<0.35
Total HpCDF	pg/L	0.79	0.79	1.7	<0.79
Total TEQ (ND=0) (WHO Calc)	pg/L			0.0801	0
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			2.68	1.94
Total TEQ (ND=DL) (WHO Calc)	pg/L			3.96	2.78

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4'th Quarter Sampling Parameter	November 1, 2011			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Surrogate: 13C12 2378 TeCDD	%	20-175	20-175	85	79
Surrogate: 13C12 12378 PeCDD	%	21-227	21-227	74	68
Surrogate: 13C12 123478 HxCDD	%	21-193	21-193	64	62
Surrogate: 13C12 123678 HxCDD	%	25-163	25-163	60	63
Surrogate: 13C12 1234678 HpCDD	%	23-166	23-166	71	74
Surrogate: 13C12 OCDD	%	13-157	13-157	96	103
Surrogate: 13C12 2378 TeCDF	%	22-169	22-169	86	81
Surrogate: 13C12 12378 PeCDF	%	24-185	24-185	80	69
Surrogate: 13C12 23478 PeCDF	%	21-178	21-178	79	72
Surrogate: 13C12 123478 HxCDF	%	26-152	26-152	64	61
Surrogate: 13C12 123678 HxCDF	%	21-159	21-159	61	57
Surrogate: 13C12 234678 HxCDF	%	17-205	17-205	60	57
Surrogate: 13C12 123789 HxCDF	%	28-136	28-136	60	58
Surrogate: 13C12 1234678 HpCDF	%	21-158	21-158	72	72
Surrogate: 13C12 1234789 HpCDF	%	20-186	20-186	70	70
Surrogate: 37C14 2378 TeCDD	%	31-197	31-197	89	77
EPA 8270 Extractables					
1,2,3-Trichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
1,2-Dichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
1,3-Dichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
1,4-Dichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
1-Chloronaphthalene	ug/L	4.0	4.0	<4.0	<4.0
1-Methylnaphthalene	ug/L	0.40	0.40	<0.40	<0.40
2,3,4,5-Tetrachlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,3,4,6-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4-Trichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,3,5,6-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,5-Trichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,4,5-Trichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,4,6-Trichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,4-Dichlorophenol	ug/L	3.0	3.0	<3.0	<3.0
2,4-Dimethylphenol	ug/L	5.0	5.0	<5.0	<5.0
2,4-Dinitrophenol	ug/L	10	10	<10	<10
2,4-Dinitrotoluene	ug/L	4.0	4.0	<4.0	<4.0
2,6-Dichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,6-Dinitrotoluene	ug/L	4.0	4.0	<4.0	<4.0
2-Chloronaphthalene	ug/L	4.0	4.0	<4.0	<4.0
2-Chlorophenol	ug/L	3.0	3.0	<3.0	<3.0
2-Methylnaphthalene	ug/L	0.40	0.40	<0.40	<0.40
2-Methylphenol	ug/L	5.0	5.0	<5.0	<5.0
2-Nitrophenol	ug/L	5.0	5.0	<5.0	<5.0
3&4-Methylphenol	ug/L	0.50	0.50	151	<0.50
3,3'-Dichlorobenzidine	ug/L	0.40	0.40	<0.40	<0.40
4,6-Dinitro-2-methylphenol	ug/L	20	20	<20	<20
4-Bromophenyl phenyl ether	ug/L	4.0	4.0	<4.0	<4.0
4-Chloro-3-methylphenol	ug/L	5.0	5.0	<5.0	<5.0
4-Chloroaniline	ug/L	4.0	4.0	<4.0	<4.0
4-Chlorophenyl phenyl ether	ug/L	4.0	4.0	<4.0	<4.0
4-Nitrophenol	ug/L	5.0	5.0	<5.0	<5.0
5-Nitroacenaphthene	ug/L	4.0	4.0	<4.0	<4.0

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4'th Quarter Sampling Parameter	November 1, 2011			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
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	0.05	0.050	<0.05	<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	20	<20	<20
Butylbenzyl phthalate	ug/L	4.0	4.0	<4.0	<4.0
Camphene	ug/L	4.0	4.0	<4.0	<4.0
Chrysene	ug/L	0.20	0.20	<0.20	<0.20
Cresols (total)	ug/L	1.0	1.0	151	<1.0
Dibenzo(a,h)anthracene	ug/L	0.20	0.20	<0.20	<0.20
Dibenzofuran	ug/L	2.0	2.0	<2.0	<2.0
Diethylphthalate	ug/L	2.0	2.0	3.4	<2.0
Dimethylphthalate	ug/L	2.0	2.0	<2.0	<2.0
Di-n-butylphthalate	ug/L	20	20	<20	<20
Di-n-octylphthalate	ug/L	4.0	4.0	<4.0	<4.0
Diphenyl ether	ug/L	4.0	4.0	<4.0	<4.0
Diphenylamine	ug/L	4.0	4.0	<4.0	<4.0
Fluoranthene	ug/L	0.20	0.20	<0.20	<0.20
Fluorene	ug/L	0.20	0.20	<0.20	<0.20
Hexachlorobenzene	ug/L	0.040	0.040	<0.040	<0.040
Hexachlorobutadiene	ug/L	2.0	2.0	<2.0	<2.0
Hexachlorocyclopentadiene	ug/L	4.0	4.0	<4.0	<4.0
Hexachloroethane	ug/L	4.0	4.0	<4.0	<4.0
Indeno(1,2,3-cd)pyrene	ug/L	0.20	0.20	<0.20	<0.20
Indole	ug/L	4.0	4.0	18.2	<4.0
Isophorone	ug/L	4.0	4.0	<4.0	<4.0
Naphthalene	ug/L	0.20	0.20	<0.20	<0.20
Nitrobenzene	ug/L	4.0	4.0	<4.0	<4.0
N-Nitroso-di-n-propylamine	ug/L	4.0	4.0	<4.0	<4.0
Pentachlorophenol	ug/L	5.0	5.0	<5.0	<5.0
Perylene	ug/L	2.0	2.0	<2.0	<2.0
Phenanthrene	ug/L	0.20	0.20	<0.20	<0.20
Phenol	ug/L	5.0	0.50	32.2	<0.50
Pyrene	ug/L	0.20	0.20	<0.20	<0.20
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	78	86
Surrogate: 2,4,6-Tribromophenol	%	40-150	40-150	124	95
Surrogate: Nitrobenzene d5	%	50-130	50-130	118	106
Surrogate: p-Terphenyl d14	%	50-150	50-150	59	74
Surrogate: Phenol d5	%	30-130	30-130	55	56

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4'th Quarter Sampling	November 1, 2011			WEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Low Level Nonylphenols and Ethoxylates					
Nonylphenols	ug/L	5.0	5.0	<5.0	<5.0
Nonylphenol Monoethoxylates	ug/L	10	10	<10	<10
Nonylphenol Diethoxylates	ug/L	0.5	0.5	0.86	<0.5
t-Octylphenol	ug/L	5.0	5.0	<5.0	<5.0
t-Octylphenol Monoethoxylate	ug/L	10	10	<10	<10
t-Octylphenol Diethoxylate	ug/L	0.5	0.5	<0.5	<0.5
PCB					
Aroclor 1016	mg/L	0.0002	0.0002	<0.0002	<0.0002
Aroclor 1221	mg/L	0.0002	0.0002	<0.0002	<0.0002
Aroclor 1232	mg/L	0.0002	0.0002	<0.0002	<0.0002
Aroclor 1242	mg/L	0.0002	0.0002	<0.0002	<0.0002
Aroclor 1248	mg/L	0.0002	0.0002	<0.0002	<0.0002
Aroclor 1254	mg/L	0.0002	0.0002	<0.0002	<0.0002
Aroclor 1260	mg/L	0.0002	0.0002	<0.0002	<0.0002
Aroclor 1262	mg/L	0.0002	0.0002	<0.0002	<0.0002
Aroclor 1268	mg/L	0.0002	0.0002	<0.0002	<0.0002
Total PCBs	mg/L	0.0006	0.0006	<0.0006	<0.0006
Surrogate: Decachlorobiphenyl	%	50-150	50-150	65	95
Pesticides, Organochlorine					
a-chlordane	ug/L	10.0	0.1	<10.0	<0.1
Aldrin	ug/L	10.0	0.1	<10.0	<0.1
alpha-BHC	ug/L	10.0	0.1	<10.0	<0.1
alpha-Endosulfan	ug/L	10.0	0.1	<10.0	0.17
beta-BHC	ug/L	10.0	0.1	<10.0	<0.1
beta-Endosulfan	ug/L	10.0	0.1	<10.0	<0.1
delta-BHC	ug/L	10.0	0.1	<10.0	<0.1
Dieldrin	ug/L	10.0	0.1	<10.0	<0.1
Endosulfan Sulfate	ug/L	10.0	0.1	<10.0	<0.1
Endrin	ug/L	10.0	0.1	<10.0	<0.1
Endrin Aldehyde	ug/L	10.0	0.1	<10.0	<0.1
g-chlordane	ug/L	10.0	0.1	<10.0	<0.1
Heptachlor	ug/L	10.0	0.1	<10.0	<0.1
Heptachlor Epoxide	ug/L	10.0	0.1	<10.0	<0.1
Lindane	ug/L	10.0	0.1	<10.0	<0.1
Methoxychlor	ug/L	10.0	0.1	<10.0	<0.1
Mirex	ug/L	10.0	0.1	<10.0	<0.1
o,p-DDE	ug/L	10.0	0.1	<10.0	<0.1
op-DDD	ug/L	10.0	0.1	<10.0	<0.1
op-DDT	ug/L	10.0	0.1	<10.0	<0.1
Oxychlordane	ug/L	10.0	0.1	<10.0	0.11
pp-DDD	ug/L	10.0	0.1	<10.0	<0.1
pp-DDE	ug/L	10.0	0.1	<10.0	<0.1
pp-DDT	ug/L	10.0	0.1	<10.0	<0.1
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	95	64
Surrogate: d14-Terphenyl	%	50-150	50-150	95	58

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4'th Quarter Sampling Parameter	November 1, 2011			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Phenoxyacid Herbicides by GC/MS					
2,4,5-T	ug/L	5.0	5.0	<5.0	<5.0
2,4,5-TP	ug/L	5.0	5.0	<5.0	<5.0
2,4-D	ug/L	5.0	5.0	<5.0	<5.0
Bromoxynil	ug/L	5.0	5.0	<5.0	<5.0
Dicamba	ug/L	5.0	5.0	<5.0	<5.0
Dinoseb	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
Picloram	ug/L	5.0	5.0	<5.0	<5.0
Surrogate: 2,4-Dichlorophenylacetic Acid	%	50-130	50-130	100	122
Target Compounds by GC/MS					
Octachlorostyrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	78	86
Surrogate: p-Terphenyl d14	%	50-150	50-150	59	74
Volatile Organics					
1,1,1,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dibromoethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloropropane	ug/L	0.50	0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.50	0.50	0.88	<0.50
2-Hexanone	ug/L	20	20	<20	<20
Acetone	ug/L	20	20	48	<20
Benzene	ug/L	0.50	0.50	<0.50	<0.50
Bromodichloromethane	ug/L	0.50	0.50	<0.50	<0.50
Bromoform	ug/L	0.50	0.50	<0.50	<0.50
Bromomethane	ug/L	1.0	1.0	<1.0	<1.0
Carbon Disulfide	ug/L	0.50	0.50	1.03	<0.50
Carbon tetrachloride	ug/L	0.50	0.50	<0.50	<0.50
Chlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
Chloroethane	ug/L	1.0	1.0	<1.0	<1.0
Chloroform	ug/L	0.50	0.50	2.4	<0.50
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	0.50	0.50	<0.50	<0.50
Dibromochloromethane	ug/L	0.50	0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Dichloromethane	ug/L	0.50	0.50	<0.50	<0.50
Ethyl Benzene	ug/L	0.50	0.50	<0.50	<0.50
m+p-Xylenes	ug/L	1.0	1.0	<1.0	<1.0

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4'th Quarter Sampling Parameter	November 1, 2011			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Methyl Ethyl Ketone	ug/L	20	20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20
MTBE	ug/L	0.50	0.50	<0.50	<0.50
o-Xylene	ug/L	0.50	0.50	<0.50	<0.50
Styrene	ug/L	0.50	0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Toluene	ug/L	0.50	0.50	4.56	<0.50
trans-1,2-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
trans-1,3-Dichloropropene	ug/L	0.50	0.50	<0.50	<0.50
Trichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Trihalomethanes (total)	ug/L	2.0	2.0	2.4	<2.0
Vinyl chloride	ug/L	0.50	0.50	<0.50	<0.50
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5
Surrogate: 1,2-Dichloroethane d4	%	50-150	50-150	105	103
Surrogate: Toluene-d8	%	70-130	70-130	106	101
Surrogate: 4-Bromofluorobenzene	%	50-150	50-150	105	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

All parameters were analyzed by contract laboratory.