

**City Of Winnipeg  
Water Waste Department**

**West End Water Pollution Control Centre Quarterly Monitoring Report**

1'st Quarter Sampling	February 11, 2010			WEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Miscellaneous</b>					
Chromium, Hexavalent	mg/L	0.0010	0.0010	<0.0010	<0.0010
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0817	0.0052
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	5.0	1.0	45.2	<1.0
Toxaphene	mg/L	0.50	0.50	<0.50	<0.50
Tributyltin	ug/L	0.001	0.001	<0.001	<0.001
Trout Bioassay	Pass/Fail			NA	Pass
<b>Total Metals by ICP-MS</b>					
Arsenic (As)-Total	mg/L	0.00050	0.00050	0.00139	0.00148
Cadmium (Cd)-Total	mg/L	0.00020	0.00020	<0.00020	<0.00020
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0027	0.0022
Copper (Cu)-Total	mg/L	0.0010	0.0010	0.118	0.0115
Lead (Pb)-Total	mg/L	0.00050	0.00050	0.00249	0.00063
Mercury (Hg)-Total	ng/L	1.0	1.00	15.8	2.3
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00658	0.00645
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0045	0.0034
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0018	<0.0010
Zinc (Zn)-Total	mg/L	0.010	0.010	0.111	0.053
<b>Dioxins and Furans</b>					
2378 TeCDD	pg/L	0.80	0.50	<0.80	<0.50
12378 PeCDD	pg/L	0.30	0.20	<0.30	<0.20
123478 HxCDD	pg/L	0.40	0.40	<0.40	<0.40
123678 HxCDD	pg/L	0.50	0.50	<0.50	<0.50
123789 HxCDD	pg/L	0.40	0.40	<0.40	<0.40
1234678 HpCDD	pg/L	0.40	0.60	6.66	<0.60
OCDD	pg/L	1.0	0.90	49.5	12.6
Total TCDD	pg/L	0.80	0.50	<0.80	<0.50
Total PeCDD	pg/L	0.30	0.20	<0.30	<0.20
Total HxCDD	pg/L	0.50	0.50	<0.50	<0.50
Total HpCDD	pg/L	0.40	0.60	12.0	<0.60
Total PCDDs	pg/L	1.0	0.90	61.5	12.6
2378 TeCDF	pg/L	0.70	0.20	<0.70	<0.20
12378 PeCDF	pg/L	0.20	0.20	<0.20	<0.20
23478 PeCDF	pg/L	0.20	0.20	<0.20	<0.20
123478 HxCDF	pg/L	0.20	0.20	<0.20	<0.20
123678 HxCDF	pg/L	0.20	0.20	<0.20	<0.20
123789 HxCDF	pg/L	0.20	0.30	<0.20	<0.30
234678 HxCDF	pg/L	0.20	0.20	<0.20	<0.20
1234678 HpCDF	pg/L	0.30	0.50	<0.30	<0.50
1234789 HpCDF	pg/L	0.40	0.70	<0.40	<0.70
OCDF	pg/L	0.80	1.0	<0.80	<1.0
Total TCDF	pg/L	0.70	0.20	<0.70	<0.20
Total PeCDF	pg/L	0.20	0.20	<0.20	<0.20
Total HxCDF	pg/L	0.20	0.30	<0.20	<0.30
Total HpCDF	pg/L	0.40	0.70	<0.40	<0.70
Total PCDFs	pg/L	0.8	1.0	<0.80	<1.0
Total TEQ (ND=0) (WHO Calc)	pg/L			0.08	0
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			0.81	0.52

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Total TEQ (ND=DL) (WHO Calc)	pg/L			1.53	1.03
13C12 2378 TeCDD	%			24	63
13C12 12378 PeCDD	%			45	62
13C12 123478 HxCDD	%			50	46
13C12 123678 HxCDD	%			46	44
13C12 1234678 HpCDD	%			51	38
13C12 OCDD	%			43	29
13C12 2378 TeCDF	%			26	69
13C12 12378 PeCDF	%			49	66
13C12 23478 PeCDF	%			45	68
13C12 123478 HxCDF	%			61	58
13C12 123678 HxCDF	%			57	51
13C12 234678 HxCDF	%			55	50
13C12 123789 HxCDF	%			57	51
13C12 1234678 HpCDF	%			53	40
13C12 1234789 HpCDF	%			54	42
37C14 2378 TeCDD	%			27	64
<b>EPA 8270 Extractables</b>					
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-Tribromophenol	%			128	115
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-Fluorobiphenyl	%			41	65
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	94.9	<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	0.50	0.050	<0.50	<0.050
Benzo(b)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(ghi)perylene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(k)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Biphenyl	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethoxy)methane	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroisopropyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	20	2.0	<20	<2.0
Butylbenzyl phthalate	ug/L	4.0	0.40	<4.0	<0.40
Camphene	ug/L	4.0	0.40	<4.0	<0.40
Chrysene	ug/L	2.0	0.20	<2.0	<0.20
Cresols (total)	ug/L	10	1.0	95	<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	2.5	<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	0.40	0.040	<0.40	<0.040
Hexachlorobutadiene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorocyclopentadiene	ug/L	4.0	0.40	<4.0	<0.40
Hexachloroethane	ug/L	4.0	0.40	<4.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	2.0	0.20	<2.0	<0.20
Indole	ug/L	4.0	0.40	12.3	<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
Nitrobenzene d5	%			81	79
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	9.9	<0.50
Phenol d5	%			20	16
p-Terphenyl d14	%			54	93
Pyrene	ug/L	2.0	0.20	<2.0	<0.20
<b>Low Level Nonylphenols and Ethoxylates</b>					
Nonylphenols	ug/L	0.76	0.76	5.45	1.97
Nonylphenol Monoethoxylates	ug/L	0.50	0.50	8.99	0.88

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Nonylphenol Diethoxylates	ug/L	1.2	1.2	2.8	<1.2
Nonylphenol Triethoxylates	ug/L	2.0	2.0	<2.0	<2.0
t-Octylphenol	ug/L	0.020	0.020	0.287	0.137
t-Octylphenol Monoethoxylate	ug/L	0.10	0.10	0.22	<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			12	2.5
<b>PCB</b>					
Aroclor 1016	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1221	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1232	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1242	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1248	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1254	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1260	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1262	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1268	mg/L	0.00020	0.00020	<0.00020	<0.00020
Total PCBs	mg/L	0.00020	0.00020	<0.00020	<0.00020
Decachlorobiphenyl	%			61	73
<b>Pesticides, Organochlorine</b>					
2-Fluorobiphenyl	%			55	64
a-chlordane	ug/L	0.10	0.10	<0.10	<0.10
Aldrin	ug/L	0.10	0.10	<0.10	<0.10
alpha-BHC	ug/L	0.10	0.10	<0.10	<0.10
alpha-Endosulfan	ug/L	0.58	0.10	<0.58	<0.10
beta-BHC	ug/L	0.10	0.10	<0.10	<0.10
beta-Endosulfan	ug/L	0.12	0.10	<0.12	<0.10
d14-Terphenyl	%			42	93
delta-BHC	ug/L	0.13	0.10	<0.13	<0.10
Dieldrin	ug/L	0.34	0.10	<0.34	<0.10
Endosulfan Sulfate	ug/L	0.10	0.10	<0.10	<0.10
Endrin	ug/L	0.10	0.17	<0.10	<0.17
Endrin Aldehyde	ug/L	0.10	0.10	<0.10	<0.10
g-chlordane	ug/L	0.10	0.10	<0.10	<0.10
Heptachlor	ug/L	0.10	0.10	<0.10	<0.10
Heptachlor Epoxide	ug/L	0.10	0.10	<0.10	<0.10
Lindane	ug/L	0.10	0.10	<0.10	<0.10
Methoxychlor	ug/L	0.10	0.10	<0.10	<0.10
Mirex	ug/L	0.10	0.10	<0.10	<0.10
o,p-DDE	ug/L	0.10	0.10	<0.10	<0.10
op-DDD	ug/L	0.10	0.10	<0.10	<0.10
op-DDT	ug/L	0.10	0.10	<0.10	<0.10
Oxychlordane	ug/L	0.27	0.10	<0.27	<0.10
pp-DDD	ug/L	0.10	0.10	<0.10	<0.10
pp-DDE	ug/L	0.10	0.10	<0.10	<0.10
pp-DDT	ug/L	0.10	0.10	<0.10	<0.10
<b>Phenoxyacid Herbicides by GC/MS</b>					
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

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2,4-D	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dichlorophenylacetic Acid	%			67	101
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
<b>Target Compounds by GC/MS</b>					
2-Fluorobiphenyl	%			95	91
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.0050	0.00050	<0.0050	<0.00050
Dinitropyrene	mg/L	0.20	0.020	<0.20	<0.020
Octachlorostyrene	mg/L	0.0050	0.00050	<0.0050	<0.00050
p-Terphenyl d14	%			143	93
<b>Volatile Organics</b>					
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-Dichloroethane d4	%			104	105
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
4-Bromofluorobenzene	%			94	97
Acetone	ug/L	20	20	30	<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	0.53	<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	4.95	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
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20

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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	4.50	<0.50
Toluene-d8	%			100	100
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	5.0	<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

**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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2'nd Quarter Sampling	May 13, 2010			WEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Miscellaneous</b>					
Chromium, Hexavalent	mg/L	0.0010	0.0010	<0.0010	<0.0010
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0606	0.0027
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	1.0	1.0	41.3	<1.0
Toxaphene	mg/L	0.00010	0.00010	<0.00010	<0.00010
Tributyltin	ug/L	0.0010	0.0010	0.0073	0.00041
Trout Bioassay	Pass/Fail			NA	Pass
<b>Total Metals by ICP-MS</b>					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00512	0.00429
Cadmium (Cd)-Total	mg/L	0.00001	0.00001	0.000064	0.000023
Chromium (Cr)-Total	mg/L	0.0010	0.0010	<0.0010	<0.0010
Copper (Cu)-Total	mg/L	0.0002	0.0002	0.0267	0.0073
Lead (Pb)-Total	mg/L	0.00009	0.00009	0.000485	0.000684
Mercury (Hg)-Total	ng/L	1.0	1.0	38.1	1.0
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.0144	0.00581
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0033	0.0039
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0013	<0.0010
Zinc (Zn)-Total	mg/L	0.005	0.005	0.0349	0.01
<b>Dioxins and Furans</b>					
2378 TeCDD	pg/L	0.40	1.0	<0.40	<1.0
12378 PeCDD	pg/L	0.30	0.50	<0.30	<0.50
123478 HxCDD	pg/L	0.30	0.40	<0.30	<0.40
123678 HxCDD	pg/L	0.40	0.50	<0.40	<0.50
123789 HxCDD	pg/L	0.40	0.50	<0.40	<0.50
1234678 HpCDD	pg/L	0.40	0.60	8.66	<0.60
OCDD	pg/L	1.0	0.80	54.5	15.0
Total TCDD	pg/L	0.40	1.0	0.83	<1.0
Total PeCDD	pg/L	0.30	0.50	<0.30	<0.50
Total HxCDD	pg/L	0.40	0.50	<0.40	<0.50
Total HpCDD	pg/L	0.40	0.60	17.4	<0.60
Total PCDDs	pg/L	1.0	1.0	72.7	15.0
2378 TeCDF	pg/L	0.30	0.90	<0.30	<0.90
12378 PeCDF	pg/L	0.20	0.40	<0.20	<0.40
23478 PeCDF	pg/L	0.20	0.30	<0.20	<0.30
123478 HxCDF	pg/L	0.20	0.20	<0.20	<0.20
123678 HxCDF	pg/L	0.20	0.20	1.24	<0.20
123789 HxCDF	pg/L	0.20	0.30	<0.20	<0.30
234678 HxCDF	pg/L	0.20	0.20	1.16	<0.20
1234678 HpCDF	pg/L	0.70	0.60	3.47	<0.60
1234789 HpCDF	pg/L	0.90	0.80	<0.90	<0.80
OCDF	pg/L	0.70	0.80	7.65	<0.80
Total TCDF	pg/L	0.30	0.90	<0.30	<0.90
Total PeCDF	pg/L	0.20	0.40	<0.20	<0.40
Total HxCDF	pg/L	0.20	0.30	2.40	<0.30
Total HpCDF	pg/L	0.90	0.80	3.47	<0.80
Total PCDFs	pg/L	0.90	0.90	13.5	<0.90
Total TEQ (ND=0) (WHO Calc)	pg/L			0.38	0
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			0.86	0.98

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2'nd Quarter Sampling	May 13, 2010			WEWPCC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Total TEQ (ND=DL) (WHO Calc)	pg/L				1.33	1.95
13C12 2378 TeCDD	%				82	65
13C12 12378 PeCDD	%				79	77
13C12 123478 HxCDD	%				83	70
13C12 123678 HxCDD	%				64	59
13C12 1234678 HpCDD	%				67	59
13C12 OCDD	%				54	50
13C12 2378 TeCDF	%				80	60
13C12 12378 PeCDF	%				69	74
13C12 23478 PeCDF	%				84	74
13C12 123478 HxCDF	%				69	65
13C12 123678 HxCDF	%				74	79
13C12 234678 HxCDF	%				74	68
13C12 123789 HxCDF	%				71	68
13C12 1234678 HpCDF	%				66	63
13C12 1234789 HpCDF	%				63	59
37C14 2378 TeCDD	%				69	59
<b>EPA 8270 Extractables</b>						
1,2,3-Trichlorobenzene	ug/L	0.40	0.40		<0.40	<0.40
1,2,4-Trichlorobenzene	ug/L	0.40	0.40		<0.40	<0.40
1,2-Dichlorobenzene	ug/L	0.40	0.40		<0.40	<0.40
1,3-Dichlorobenzene	ug/L	0.40	0.40		<0.40	<0.40
1,4-Dichlorobenzene	ug/L	0.40	0.40		<0.40	<0.40
1-Chloronaphthalene	ug/L	0.40	0.40		<0.40	<0.40
1-Methylnaphthalene	ug/L	0.40	0.40		<0.40	<0.40
2,3,4,5-Tetrachlorophenol	ug/L	0.50	0.50		<0.50	<0.50
2,3,4,6-Tetrachlorophenol	ug/L	0.50	0.50		<0.50	<0.50
2,3,4-Trichlorophenol	ug/L	0.50	0.50		<0.50	<0.50
2,3,5,6-Tetrachlorophenol	ug/L	0.50	0.50		<0.50	<0.50
2,3,5-Trichlorophenol	ug/L	0.50	0.50		<0.50	<0.50
2,4,5-Trichlorophenol	ug/L	0.50	0.50		<0.50	<0.50
2,4,6-Tribromophenol	%				134	129
2,4,6-Trichlorophenol	ug/L	0.50	0.50		<0.50	<0.50
2,4-Dichlorophenol	ug/L	0.30	0.30		<0.30	<0.30
2,4-Dimethylphenol	ug/L	0.50	0.50		<0.50	<0.50
2,4-Dinitrophenol	ug/L	1.0	1.0		<1.0	<1.0
2,4-Dinitrotoluene	ug/L	0.40	0.40		<0.40	<0.40
2,6-Dichlorophenol	ug/L	0.50	0.50		<0.50	<0.50
2,6-Dinitrotoluene	ug/L	0.40	0.40		<0.40	<0.40
2-Chloronaphthalene	ug/L	0.40	0.40		<0.40	<0.40
2-Chlorophenol	ug/L	0.30	0.30		<0.30	<0.30
2-Fluorobiphenyl	%				59	61
2-Methylnaphthalene	ug/L	0.40	0.40		<0.40	<0.40
2-Methylphenol	ug/L	0.50	0.50		<0.50	<0.50
2-Nitrophenol	ug/L	0.50	0.50		<0.50	<0.50
3&4-Methylphenol	ug/L	0.50	0.50		2.17	<0.50
3,3'-Dichlorobenzidine	ug/L	0.40	0.40		<0.40	<0.40
4,6-Dinitro-2-methylphenol	ug/L	2.0	2.0		<2.0	<2.0
4-Bromophenyl phenyl ether	ug/L	0.40	0.40		<0.40	<0.40
4-Chloro-3-methylphenol	ug/L	0.50	0.50		<0.50	<0.50
4-Chloroaniline	ug/L	0.40	0.40		<0.40	<0.40



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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
4-Chlorophenyl phenyl ether	ug/L	0.40	0.40	<0.40	<0.40
4-Nitrophenol	ug/L	0.50	0.50	<0.50	<0.50
5-Nitroacenaphthene	ug/L	0.40	0.40	<0.40	<0.40
Acenaphthene	ug/L	0.20	0.20	<0.20	<0.20
Acenaphthylene	ug/L	0.20	0.20	<0.20	<0.20
Anthracene	ug/L	0.20	0.20	<0.20	<0.20
Benzo(a)anthracene	ug/L	0.20	0.20	<0.20	<0.20
Benzo(a)pyrene	ug/L	0.050	0.050	<0.050	<0.050
Benzo(b)fluoranthene	ug/L	0.20	0.20	<0.20	<0.20
Benzo(ghi)perylene	ug/L	0.20	0.20	<0.20	<0.20
Benzo(k)fluoranthene	ug/L	0.20	0.20	<0.20	<0.20
Biphenyl	ug/L	0.40	0.40	<0.40	<0.40
Bis(2-chloroethoxy)methane	ug/L	0.40	0.40	<0.40	<0.40
Bis(2-chloroethyl)ether	ug/L	0.40	0.40	<0.40	<0.40
Bis(2-chloroisopropyl)ether	ug/L	0.40	0.40	<0.40	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	2.0	2.0	<2.0	<2.0
Butylbenzyl phthalate	ug/L	0.40	0.40	5.3	<0.40
Camphene	ug/L	0.40	0.40	1.10	<0.40
Chrysene	ug/L	0.20	0.20	<0.20	<0.20
Cresols (total)	ug/L	1.0	1.0	2.2	<1.0
Dibenzo(a,h)anthracene	ug/L	0.20	0.20	<0.20	<0.20
Dibenzofuran	ug/L	0.20	0.20	<0.20	<0.20
Diethylphthalate	ug/L	0.20	0.20	<0.20	<0.20
Dimethylphthalate	ug/L	0.20	0.20	1.59	<0.20
Di-n-butylphthalate	ug/L	2.0	2.0	<2.0	<2.0
Di-n-octylphthalate	ug/L	0.40	0.40	<0.40	<0.40
Diphenyl ether	ug/L	0.40	0.40	<0.40	<0.40
Diphenylamine	ug/L	0.40	0.40	<0.40	<0.40
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	0.20	0.20	<0.20	<0.20
Hexachlorocyclopentadiene	ug/L	0.40	0.40	<0.40	<0.40
Hexachloroethane	ug/L	0.40	0.40	<0.40	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	0.20	0.20	<0.20	<0.20
Indole	ug/L	0.40	0.40	2.46	<0.40
Isophorone	ug/L	0.40	0.40	<0.40	<0.40
Naphthalene	ug/L	0.20	0.20	<0.20	<0.20
Nitrobenzene	ug/L	0.40	0.40	<0.40	<0.40
Nitrobenzene d5	%			121	81
N-Nitroso-di-n-propylamine	ug/L	0.40	0.40	<0.40	<0.40
Pentachlorophenol	ug/L	0.50	0.50	<0.50	<0.50
Perylene	ug/L	0.20	0.20	<0.20	<0.20
Phenanthrene	ug/L	0.20	0.20	<0.20	<0.20
Phenol	ug/L	0.50	0.50	0.75	0.75
Phenol d5	%			64	58
p-Terphenyl d14	%			51	100
Pyrene	ug/L	0.20	0.20	<0.20	<0.20
<b>Low Level Nonylphenols and Ethoxylates</b>					
Nonylphenols	ug/L	0.10	0.10	3.71	2.00
Nonylphenol Monoethoxylates	ug/L	0.50	0.50	17.5	0.73

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2'nd Quarter Sampling	May 13, 2010			WEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Nonylphenol Diethoxylates	ug/L	1.2	1.2	3.5	<1.2
Nonylphenol Triethoxylates	ug/L	2.0	2.0	6.3	<2.0
t-Octylphenol	ug/L	0.020	0.020	0.217	0.035
t-Octylphenol Monoethoxylate	ug/L	0.10	0.10	0.22	<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			18	2.4
<b>PCB</b>					
Aroclor 1016	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1221	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1232	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1242	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1248	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1254	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1260	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1262	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1268	mg/L	0.00050	0.00050	<0.00050	<0.00050
Total PCBs	mg/L	0.00050	0.00050	<0.00050	<0.00050
Decachlorobiphenyl	%			74	102
<b>Pesticides, Organochlorine</b>					
2-Fluorobiphenyl	%			46	62
a-chlordane	ug/L	1.0	0.10	<1.0	<0.10
Aldrin	ug/L	1.0	0.10	<1.0	<0.10
alpha-BHC	ug/L	1.0	0.10	<1.0	<0.10
alpha-Endosulfan	ug/L	1.0	0.10	<1.0	<0.10
beta-BHC	ug/L	1.0	0.10	<1.0	<0.10
beta-Endosulfan	ug/L	1.0	0.10	<1.0	<0.10
d14-Terphenyl	%			60	78
delta-BHC	ug/L	1.0	0.10	<1.0	<0.10
Dieldrin	ug/L	1.0	0.10	<1.0	<0.10
Endosulfan Sulfate	ug/L	1.0	0.10	<1.0	<0.10
Endrin	ug/L	1.0	0.10	<1.0	<0.10
Endrin Aldehyde	ug/L	1.0	0.10	<1.0	<0.10
g-chlordane	ug/L	1.0	0.10	<1.0	<0.10
Heptachlor	ug/L	1.0	0.10	<1.0	<0.10
Heptachlor Epoxide	ug/L	1.0	0.10	<1.0	<0.10
Lindane	ug/L	1.0	0.10	<1.0	<0.10
Methoxychlor	ug/L	1.0	0.10	<1.0	<0.10
Mirex	ug/L	1.0	0.10	<1.0	<0.10
o,p-DDE	ug/L	1.0	0.10	<1.0	<0.10
op-DDD	ug/L	1.0	0.10	<1.0	<0.10
op-DDT	ug/L	1.0	0.10	<1.0	<0.10
Oxychlordane	ug/L	1.0	0.10	<1.0	<0.10
pp-DDD	ug/L	1.0	0.10	<1.0	<0.10
pp-DDE	ug/L	1.0	0.10	<1.0	<0.10
pp-DDT	ug/L	1.0	0.10	<1.0	<0.10
<b>Phenoxyacid Herbicides by GC/MS</b>					
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

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2'nd Quarter Sampling Parameter	May 13, 2010			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
2,4-D	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dichlorophenylacetic Acid	%			94	91
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
<b>Target Compounds by GC/MS</b>					
2-Fluorobiphenyl	%			79	67
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.0050	0.00050	<0.0050	<0.00050
Dinitropyrene	mg/L	0.20	0.020	<0.20	<0.020
Octachlorostyrene	mg/L	0.00050	0.00050	<0.00050	<0.00060
p-Terphenyl d14	%			97	79
<b>Volatile Organics</b>					
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-Dichloroethane d4	%			132	124
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
4-Bromofluorobenzene	%			101	100
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	4.91	<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
Methyl Ethyl Ketone	ug/L	20	20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20

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2'nd Quarter Sampling Parameter	May 13, 2010			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
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	13.1	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Toluene	ug/L	0.50	0.50	3.33	<0.50
Toluene-d8	%			99	100
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	4.9	<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

**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	August 10, 2010			WEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Miscellaneous</b>					
Chromium, Hexavalent	mg/L	0.0010	0.0010	<0.0010	<0.0010
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0572	0.0021
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	1.0	1.0	33.4	<1.0
Toxaphene	mg/L	0.00010	0.00010	<0.00010	<0.00010
Tributyltin	ug/L	0.0010	0.0010	<0.0010	<0.0010
Trout Bioassay	Pass/Fail			NA	Pass
<b>Total Metals by ICP-MS</b>					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00244	0.00222
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000099	0.000018
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0030	<0.0010
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.0768	0.00500
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00217	0.000285
Mercury (Hg)-Total	ng/L	1.0	1.0	1250	3.0
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00323	0.00283
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0042	0.0032
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0014	0.0010
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.115	<0.0050
<b>Dioxins and Furans</b>					
2378 TeCDD	pg/L	0.80	0.60	<0.80	<0.60
12378 PeCDD	pg/L	0.60	0.30	<0.60	<0.30
123478 HxCDD	pg/L	0.30	0.30	<0.30	<0.30
123678 HxCDD	pg/L	0.40	0.30	<0.40	<0.30
123789 HxCDD	pg/L	0.40	0.30	<0.40	<0.30
1234678 HpCDD	pg/L	0.80	0.40	15.0	<0.40
OCDD	pg/L	2.0	0.40	132	5.78
Total TCDD	pg/L	0.80	0.60	<0.80	<0.60
Total PeCDD	pg/L	0.60	0.30	<0.60	<0.30
Total HxCDD	pg/L	0.40	0.30	<0.40	<0.30
Total HpCDD	pg/L	0.80	0.40	34.5	2.34
Total PCDDs	pg/L	2.0	0.60	167	8.12
2378 TeCDF	pg/L	0.60	0.40	<0.60	<0.40
12378 PeCDF	pg/L	0.40	0.30	<0.40	<0.30
23478 PeCDF	pg/L	0.30	0.30	<0.30	<0.30
123478 HxCDF	pg/L	0.20	0.20	<0.20	<0.20
123678 HxCDF	pg/L	0.20	0.10	1.05	0.49
123789 HxCDF	pg/L	0.30	0.20	<0.30	<0.20
234678 HxCDF	pg/L	0.20	0.20	<0.20	<0.20
1234678 HpCDF	pg/L	0.40	0.50	<0.40	<0.50
1234789 HpCDF	pg/L	0.60	0.70	<0.60	<0.70
OCDF	pg/L	0.90	0.70	7.32	<0.70
Total TCDF	pg/L	0.60	0.40	<0.60	<0.40
Total PeCDF	pg/L	0.40	0.30	<0.40	<0.30
Total HxCDF	pg/L	0.30	0.20	1.05	<0.20
Total HpCDF	pg/L	0.60	0.70	<0.60	<0.70
Total PCDFs	pg/L	0.90	0.70	8.37	<0.70
Total TEQ (ND=0) (WHO Calc)	pg/L			0.3	0.05
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			1.17	0.65

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3'rd Quarter Sampling	August 10, 2010			WEWPCC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Total TEQ (ND=DL) (WHO Calc)	pg/L				2.05	1.26
13C12 2378 TeCDD	%				83	75
13C12 12378 PeCDD	%				93	104
13C12 123478 HxCDD	%				75	74
13C12 123678 HxCDD	%				69	77
13C12 1234678 HpCDD	%				64	72
13C12 OCDD	%				52	62
13C12 2378 TeCDF	%				77	77
13C12 12378 PeCDF	%				85	85
13C12 23478 PeCDF	%				91	83
13C12 123478 HxCDF	%				63	51
13C12 123678 HxCDF	%				70	77
13C12 234678 HxCDF	%				65	53
13C12 123789 HxCDF	%				63	54
13C12 1234678 HpCDF	%				59	51
13C12 1234789 HpCDF	%				58	55
37C14 2378 TeCDD	%				79	67
<b>EPA 8270 Extractables</b>						
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-Tribromophenol	%				147	103
2,4,6-Trichlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,4-Dichlorophenol	ug/L	5.0	0.50		<5.0	<0.50
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	3.0	0.30		<3.0	<0.30
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-Fluorobiphenyl	%				71	76
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		102	<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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	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab
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	0.50	0.050	<0.50	<0.050
Benzo(b)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(ghi)perylene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(k)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Biphenyl	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethoxy)methane	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroisopropyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	20	2.0	<20	<2.0
Butylbenzyl phthalate	ug/L	4.0	0.40	<4.0	<0.40
Camphene	ug/L	4.0	0.40	<4.0	<0.40
Chrysene	ug/L	2.0	0.20	<2.0	<0.20
Cresols (total)	ug/L	10	1.0	102	<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	0.40	0.040	<0.40	<0.040
Hexachlorobutadiene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorocyclopentadiene	ug/L	4.0	0.40	<4.0	<0.40
Hexachloroethane	ug/L	4.0	0.40	<4.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	2.0	0.20	<2.0	<0.20
Indole	ug/L	4.0	0.40	12.7	<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
Nitrobenzene d5	%			83	102
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	22.8	<0.50
Phenol d5	%			54	55
p-Terphenyl d14	%			47	84
Pyrene	ug/L	2.0	0.20	<2.0	<0.20
<b>Low Level Nonylphenols and Ethoxylates</b>					
Nonylphenols	ug/L	0.10	0.10	3.49	1.73
Nonylphenol Monoethoxylates	ug/L	0.50	0.50	17.9	0.70

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Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Nonylphenol Diethoxylates	ug/L	1.2	1.2	2.6	<1.2
Nonylphenol Triethoxylates	ug/L	2.0	2.0	<2.0	<2.0
t-Octylphenol	ug/L	0.020	0.020	0.321	0.029
t-Octylphenol Monoethoxylate	ug/L	0.10	0.10	1.05	<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			15	2.1
<b>PCB</b>					
Aroclor 1016	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1221	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1232	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1242	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1248	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1254	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1260	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1262	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1268	mg/L	0.00050	0.00050	<0.00050	<0.00050
Total PCBs	mg/L	0.00050	0.00050	<0.00050	<0.00050
Decachlorobiphenyl	%			77	93
<b>Pesticides, Organochlorine</b>					
2-Fluorobiphenyl	%			51	62
a-chlordane	ug/L	1.0	0.10	<1.0	<0.10
Aldrin	ug/L	1.0	0.10	<1.0	<0.10
alpha-BHC	ug/L	1.0	0.10	<1.0	<0.10
alpha-Endosulfan	ug/L	1.0	0.10	<1.0	<0.10
beta-BHC	ug/L	1.0	0.10	<1.0	<0.10
beta-Endosulfan	ug/L	1.0	0.10	<1.0	<0.10
d14-Terphenyl	%			45	77
delta-BHC	ug/L	1.0	0.10	<1.0	<0.10
Dieldrin	ug/L	1.0	0.10	<1.0	<0.10
Endosulfan Sulfate	ug/L	1.0	0.10	<1.0	<0.10
Endrin	ug/L	1.0	0.10	<1.0	<0.10
Endrin Aldehyde	ug/L	1.0	0.10	<1.0	<0.10
g-chlordane	ug/L	1.0	0.10	<1.0	<0.10
Heptachlor	ug/L	1.0	0.10	<1.0	<0.10
Heptachlor Epoxide	ug/L	1.0	0.10	<1.0	<0.10
Lindane	ug/L	1.0	0.10	<1.0	<0.10
Methoxychlor	ug/L	1.0	0.10	<1.0	<0.10
Mirex	ug/L	1.0	0.10	<1.0	<0.10
o,p-DDE	ug/L	1.0	0.10	<1.0	<0.10
op-DDD	ug/L	1.0	0.10	<1.0	<0.10
op-DDT	ug/L	1.0	0.10	<1.0	<0.10
Oxychlordane	ug/L	1.0	0.10	<1.0	<0.10
pp-DDD	ug/L	1.0	0.10	<1.0	<0.10
pp-DDE	ug/L	1.0	0.10	<1.0	<0.10
pp-DDT	ug/L	1.0	0.10	<1.0	<0.10
<b>Phenoxyacid Herbicides by GC/MS</b>					
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



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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
2,4-D	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dichlorophenylacetic Acid	%			91	93
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
<b>Target Compounds by GC/MS</b>					
2-Fluorobiphenyl	%			79	63
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
p-Terphenyl d14	%			78	73
<b>Volatile Organics</b>					
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-Dichloroethane d4	%			111	113
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
4-Bromofluorobenzene	%			98	104
Acetone	ug/L	20	20	38	<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	5.58	<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
Methyl Ethyl Ketone	ug/L	20	20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20

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3'rd Quarter Sampling Parameter	August 10, 2010			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
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	0.95	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Toluene	ug/L	0.50	0.50	1.85	<0.50
Toluene-d8	%			96	98
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	5.6	<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

**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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4'th Quarter Sampling Parameter	November 15, 2010			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Miscellaneous</b>					
Chromium, Hexavalent	mg/L	0.0010	0.0010	<0.0010	<0.0010
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0503	<0.0010
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	1.0	1.0	36.5	<1.0
Toxaphene	mg/L	0.00010	0.00010	<0.00010	<0.00010
Tributyltin	ug/L	0.0050	0.0050	<0.0050	<0.0050
Trout Bioassay	Pass/Fail			NA	Pass
<b>Total Metals by ICP-MS</b>					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00687	0.00169
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000212	0.000026
Chromium (Cr)-Total	mg/L	0.0010	0.0010	<0.0010	<0.0010
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.0797	0.00361
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00145	0.000261
Mercury (Hg)-Total	ng/L	1.0	1.0	38.2	<1.0
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.0183	0.00589
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0033	0.0025
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0020	<0.0010
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.0729	0.0087
<b>Dioxins and Furans</b>					
2378 TeCDD	pg/L	0.40	0.50	<0.40	<0.50
12378 PeCDD	pg/L	0.60	0.40	<0.60	<0.40
123478 HxCDD	pg/L	0.40	0.30	<0.40	<0.30
123678 HxCDD	pg/L	0.50	0.30	<0.50	<0.30
123789 HxCDD	pg/L	0.40	0.30	<0.40	<0.30
1234678 HpCDD	pg/L	0.60	0.40	6.13	1.96
OCDD	pg/L	1.0	0.50	48.6	10.2
Total TCDD	pg/L	0.40	0.50	<0.40	<0.50
Total PeCDD	pg/L	0.60	0.40	<0.60	<0.40
Total HxCDD	pg/L	0.50	0.30	<0.50	<0.30
Total HpCDD	pg/L	0.60	0.40	11.1	<0.40
Total PCDDs	pg/L	1.0	0.50	59.7	10.2
2378 TeCDF	pg/L	0.40	0.40	<0.40	<0.40
12378 PeCDF	pg/L	0.40	0.30	<0.40	<0.30
23478 PeCDF	pg/L	0.30	0.30	<0.30	<0.30
123478 HxCDF	pg/L	0.50	0.20	<0.50	<0.20
123678 HxCDF	pg/L	0.30	0.20	<0.30	<0.20
123789 HxCDF	pg/L	0.50	0.20	<0.50	<0.20
234678 HxCDF	pg/L	0.40	0.20	<0.40	<0.20
1234678 HpCDF	pg/L	1.0	1.0	<1.0	<1.0
1234789 HpCDF	pg/L	2.0	1.0	<2.0	<1.0
OCDF	pg/L	1.0	0.90	5.4	<0.90
Total TCDF	pg/L	0.40	0.40	<0.40	<0.40
Total PeCDF	pg/L	0.40	0.30	<0.40	<0.30
Total HxCDF	pg/L	0.50	0.20	<0.50	<0.20
Total HpCDF	pg/L	2.0	1.0	<2.0	<1.0
Total PCDFs	pg/L	2.0	1.0	5.4	<1.0
Total TEQ (ND=0) (WHO Calc)	pg/L			0.08	0.02
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			0.81	0.64

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4'th Quarter Sampling Parameter	November 15, 2010			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Total TEQ (ND=DL) (WHO Calc)	pg/L			1.55	1.25
13C12 2378 TeCDD	%			74	80
13C12 12378 PeCDD	%			65	80
13C12 123478 HxCDD	%			72	84
13C12 123678 HxCDD	%			59	76
13C12 1234678 HpCDD	%			60	77
13C12 OCDD	%			50	64
13C12 2378 TeCDF	%			83	91
13C12 12378 PeCDF	%			49	70
13C12 23478 PeCDF	%			67	83
13C12 123478 HxCDF	%			45	79
13C12 123678 HxCDF	%			72	81
13C12 234678 HxCDF	%			71	83
13C12 123789 HxCDF	%			69	86
13C12 1234678 HpCDF	%			60	75
13C12 1234789 HpCDF	%			64	81
37C14 2378 TeCDD	%			90	94
<b>EPA 8270 Extractables</b>					
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-Tribromophenol	%			70	133
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-Fluorobiphenyl	%			42	96
2-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40
2-Methylphenol	ug/L	5.0	0.50	<5.0	0.76
2-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
3&4-Methylphenol	ug/L	5.0	0.50	72.7	0.73
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'th Quarter Sampling Parameter	November 15, 2010			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
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	0.50	0.050	<0.50	<0.050
Benzo(b)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(ghi)perylene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(k)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Biphenyl	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethoxy)methane	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroisopropyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	20	2.0	<20	<2.0
Butylbenzyl phthalate	ug/L	4.0	0.40	<4.0	<0.40
Camphene	ug/L	4.0	0.40	<4.0	<0.40
Chrysene	ug/L	2.0	0.20	<2.0	<0.20
Cresols (total)	ug/L	10	1.0	73	1.5
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	0.40	0.040	<0.40	<0.040
Hexachlorobutadiene	ug/L	2.0	0.30	<2.0	<0.30
Hexachlorocyclopentadiene	ug/L	4.0	0.40	<4.0	<0.40
Hexachloroethane	ug/L	4.0	0.40	<4.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	2.0	0.20	<2.0	<0.20
Indole	ug/L	4.0	0.40	7.4	<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
Nitrobenzene d5	%			53	116
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	13.4	<0.50
Phenol d5	%			34	87
p-Terphenyl d14	%			38	96
Pyrene	ug/L	2.0	0.20	<2.0	<0.20
<b>Low Level Nonylphenols and Ethoxylates</b>					
Nonylphenols	ug/L	0.10	0.10	3.11	1.74
Nonylphenol Monoethoxylates	ug/L	0.50	0.50	7.06	0.52

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4'th Quarter Sampling Parameter	November 15, 2010			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Nonylphenol Diethoxylates	ug/L	1.2	1.2	3.0	<1.2
Nonylphenol Triethoxylates	ug/L	2.0	2.0	17.5	<2.0
t-Octylphenol	ug/L	0.020	0.020	0.252	0.042
t-Octylphenol Monoethoxylate	ug/L	0.10	0.10	0.34	<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			17	2.0
<b>PCB</b>					
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	0.00010	0.00010	<0.00010	<0.00010
Decachlorobiphenyl	%			76	137
<b>Pesticides, Organochlorine</b>					
2-Fluorobiphenyl	%			0	63
a-chlordane	ug/L	10	0.10	<10	<0.10
Aldrin	ug/L	10	0.10	<10	<0.10
alpha-BHC	ug/L	10	0.10	<10	<0.10
alpha-Endosulfan	ug/L	10	0.10	<10	<0.10
beta-BHC	ug/L	10	0.10	<10	<0.10
beta-Endosulfan	ug/L	10	0.10	<10	<0.10
d14-Terphenyl	%			1	90
delta-BHC	ug/L	10	0.10	<10	<0.10
Dieldrin	ug/L	10	0.10	<10	<0.10
Endosulfan Sulfate	ug/L	10	0.10	<10	<0.10
Endrin	ug/L	10	0.10	<10	<0.10
Endrin Aldehyde	ug/L	10	0.10	<10	<0.10
g-chlordane	ug/L	10	0.10	<10	<0.10
Heptachlor	ug/L	10	0.10	<10	<0.10
Heptachlor Epoxide	ug/L	10	0.10	<10	<0.10
Lindane	ug/L	10	0.10	<10	<0.10
Methoxychlor	ug/L	10	0.10	<10	<0.10
Mirex	ug/L	10	0.10	<10	<0.10
o,p-DDE	ug/L	10	0.10	<10	<0.10
op-DDD	ug/L	10	0.10	<10	<0.10
op-DDT	ug/L	10	0.10	<10	<0.10
Oxychlordane	ug/L	10	0.10	<10	<0.10
pp-DDD	ug/L	10	0.10	<10	<0.10
pp-DDE	ug/L	10	0.10	<10	<0.10
pp-DDT	ug/L	10	0.10	<10	<0.10
<b>Phenoxyacid Herbicides by GC/MS</b>					
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

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4'th Quarter Sampling Parameter	November 15, 2010			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
2,4-D	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dichlorophenylacetic Acid	%			79	90
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
<b>Target Compounds by GC/MS</b>					
2-Fluorobiphenyl	%			69	81
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
p-Terphenyl d14	%			111	95
<b>Volatile Organics</b>					
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-Dichloroethane d4	%			99	93
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
4-Bromofluorobenzene	%			101	107
Acetone	ug/L	20	20	22	<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	1.56	<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
Methyl Ethyl Ketone	ug/L	20	20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20

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4'th Quarter Sampling Parameter	November 15, 2010			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
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	0.85	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Toluene	ug/L	0.50	0.50	2.14	<0.50
Toluene-d8	%			99	101
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	<2.0	<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

**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.*