

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

1'st Quarter Sampling Parameter	February 15, 2011			NEWPCC	
	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	0.0640	0.0030
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	5.0	1.0	166	2.4
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	Fail
Surrogate: Tributyltin Chloride-D27	%	50-150	50-150	96	101
Surrogate: 1,2-Dichloroethane-d4	%	70-125	70-125	101	101
Surrogate: 4-Bromofluorobenzene	%	72-125	72-125	99	102
Surrogate: Dibromofloromethane	%	71-125	71-125	100	100
Surrogate: Toluene-d8	%	75-125	75-125	101	101
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00297	0.00349
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000313	0.000049
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0087	0.0084
Cobalt (Co)-Total	mg/L	0.00020	0.00020	0.00119	0.00087
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.103	0.00854
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00626	0.000526
Mercury (Hg)-Total	ng/L	1.0	1.0	42.1	5.3
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00603	0.0109
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0108	0.0080
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0021	0.0016
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.152	0.0303
Dioxins and Furans					
2378 TeCDD	pg/L	0.60	0.70	<0.60	<0.70
12378 PeCDD	pg/L	0.80	0.80	<0.80	<0.80
123478 HxCDD	pg/L	0.50	0.50	<0.50	<0.50
123678 HxCDD	pg/L	0.70	0.60	<0.70	<0.60
123789 HxCDD	pg/L	0.60	0.60	<0.60	<0.60
1234678 HpCDD	pg/L	0.60	0.60	9.34	<0.60
OCDD	pg/L	1.0	0.80	86.0	12.7
Total TCDD	pg/L	0.60	0.70	<0.60	<0.70
Total PeCDD	pg/L	0.80	0.80	<0.80	<0.80
Total HxCDD	pg/L	0.70	0.60	<0.70	<0.60
Total HpCDD	pg/L	0.60	0.60	18.8	<0.60
Total PCDDs	pg/L	1.0	0.80	105	12.7
2378 TeCDF	pg/L	0.40	0.60	<0.40	<0.60
12378 PeCDF	pg/L	0.40	0.60	<0.40	<0.60
23478 PeCDF	pg/L	0.40	0.40	<0.40	<0.40
123478 HxCDF	pg/L	0.40	0.40	<0.40	<0.40
123678 HxCDF	pg/L	0.30	0.30	<0.30	<0.30
123789 HxCDF	pg/L	0.40	0.40	<0.40	<0.40
234678 HxCDF	pg/L	0.40	0.30	<0.40	<0.30
1234678 HpCDF	pg/L	0.70	0.70	<0.70	<0.70
1234789 HpCDF	pg/L	0.90	0.90	<0.90	<0.90
OCDF	pg/L	0.90	1.0	10.3	<1.0
Total TCDF	pg/L	0.40	0.60	<0.40	<0.60
Total PeCDF	pg/L	0.40	0.60	<0.40	<0.60

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Total HxCDF	pg/L	0.40	0.40	<0.40	<0.40
Total HpCDF	pg/L	0.90	0.90	<0.90	<0.90
Total PCDFs	pg/L	0.90	1.0	10.3	<1.0
Total TEQ (ND=0) (WHO Calc)	pg/L			0.12	0
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			1.08	1.02
Total TEQ (ND=DL) (WHO Calc)	pg/L			2.04	2.03
Surrogate: 13C12 2378 TeCDD	%	25-164	25-164	89	66
Surrogate: 13C12 12378 PeCDD	%	25-181	25-181	81	66
Surrogate: 13C12 123478 HxCDD	%	32-141	32-141	83	59
Surrogate: 13C12 123678 HxCDD	%	28-130	28-130	77	49
Surrogate: 13C12 1234678 HpCDD	%	23-140	23-140	91	53
Surrogate: 13C12 OCDD	%	17-157	17-157	78	49
Surrogate: 13C12 2378 TeCDF	%	24-169	24-169	95	72
Surrogate: 13C12 12378 PeCDF	%	25-185	25-185	74	52
Surrogate: 13C12 23478 PeCDF	%	21-178	21-178	91	68
Surrogate: 13C12 123478 HxCDF	%	26-152	26-152	55	44
Surrogate: 13C12 123678 HxCDF	%	26-123	26-123	93	54
Surrogate: 13C12 234678 HxCDF	%	28-136	28-136	83	58
Surrogate: 13C12 123789 HxCDF	%	29-147	29-147	83	59
Surrogate: 13C12 1234678 HpCDF	%	28-143	28-143	95	53
Surrogate: 13C12 1234789 HpCDF	%	26-138	26-138	95	56
Surrogate: 37C14 2378 TeCDD	%	35-197	35-197	86	83
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	0.99
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	127	<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	2.1
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	130	<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*	75
Surrogate: 2,4,6-Tribromophenol	%	40-150	40-150	0*	103
Surrogate: Nitrobenzene d5	%	50-130	50-130	0*	93
Surrogate: p-Terphenyl d14	%	50-150	50-150	0*	82
Surrogate: Phenol d5	%	30-130	30-130	0*	59

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Low Level Nonylphenols and Ethoxylates					
Nonylphenols	ug/L	0.10	0.10	2.67	0.38
Nonylphenol Monoethoxylates	ug/L	0.50	0.50	20.0	<0.50
Nonylphenol Diethoxylates	ug/L	1.2	1.2	<1.2	<1.2
Nonylphenol Triethoxylates	ug/L	2.0	2.0	6.6	<2.0
t-Octylphenol	ug/L	0.020	0.020	<0.020	0.178
t-Octylphenol Monoethoxylate	ug/L	0.10	0.10	0.18	<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			16	0.55
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	93	105
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*	69
Surrogate: d14-Terphenyl	%	50-150	50-150	0*	94

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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	105	107
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	83	67
Surrogate: p-Terphenyl d14	%	40-130	40-130	79	84
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	0.68	0.63
2-Hexanone	ug/L	20	20	<20	<20
Acetone	ug/L	20	20	56	<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	1.20	<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	3.59	2.83
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	3.13	<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	1.81	7.28
Ethyl Benzene	ug/L	0.50	0.50	<0.50	<0.50
m+p-Xylenes	ug/L	1.0	1.0	1.2	1.2
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	0.87
Styrene	ug/L	0.50	0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	0.87	<0.50
Toluene	ug/L	0.50	0.50	8.71	<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	3.6	2.8
Vinyl chloride	ug/L	0.50	0.50	0.62	<0.50
Xylenes (Total)	ug/L	1.5	1.5	<1.5	2.1
Surrogate: 1,2-Dichloroethane d4	%	50-150	50-150	107	105
Surrogate: Toluene-d8	%	70-130	70-130	96	96
Surrogate: 4-Bromofluorobenzene	%	50-150	50-150	127	127

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			NEWPCC	
	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	0.0120	<0.0010
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	1.0	1.0	23.4	<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	Fail
Surrogate: Tributyltin Chloride-D27	%	50-150	50-150	99	111
Surrogate: 1,2-Dichloroethane-d4	%	70-125	70-125	102	102
Surrogate: 4-Bromofluorobenzene	%	72-125	72-125	105	101
Surrogate: Dibromofloromethane	%	71-125	71-125	102	99
Surrogate: Toluene-d8	%	75-125	75-125	104	98
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00332	0.00235
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.00011	0.000038
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0039	0.0015
Cobalt (Co)-Total	mg/L	0.00020	0.00020	0.00113	0.00049
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.0385	0.00695
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00328	0.000628
Mercury (Hg)-Total	ng/L	1.0	1.0	32.3	5.5
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00479	0.00561
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.006	0.0041
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0029	0.0021
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.0717	0.0346
Dioxins and Furans					
2378 TeCDD	pg/L	0.20	0.10	<0.20	<0.10
12378 PeCDD	pg/L	0.20	0.09	<0.20	<0.09
123478 HxCDD	pg/L	0.30	0.10	<0.30	<0.10
123678 HxCDD	pg/L	0.40	0.10	<0.40	<0.10
123789 HxCDD	pg/L	0.40	0.10	<0.40	<0.10
1234678 HpCDD	pg/L	0.40	0.20	8.28	2.43
OCDD	pg/L	0.70	0.30	70.4	14.8
Total TCDD	pg/L	0.20	0.10	<0.20	19.3
Total PeCDD	pg/L	0.20	0.09	<0.20	<0.09
Total HxCDD	pg/L	0.40	0.10	0.86	0.27
Total HpCDD	pg/L	0.40	0.20	8.28	<0.20
Total PCDDs	pg/L	0.70	0.30	79.6	34.4
2378 TeCDF	pg/L	0.20	0.09	<0.20	<0.09
12378 PeCDF	pg/L	0.10	0.05	<0.10	<0.05
23478 PeCDF	pg/L	0.10	0.05	<0.10	<0.05
123478 HxCDF	pg/L	0.20	0.06	<0.20	<0.06
123678 HxCDF	pg/L	0.20	0.06	<0.20	<0.06
123789 HxCDF	pg/L	0.20	0.07	<0.20	<0.07
234678 HxCDF	pg/L	0.20	0.06	<0.20	<0.06
1234678 HpCDF	pg/L	0.30	0.30	2.63	0.93
1234789 HpCDF	pg/L	0.40	0.30	<0.40	<0.30
OCDF	pg/L	0.40	0.30	7.62	2.31
Total TCDF	pg/L	0.20	0.09	<0.20	<0.09
Total PeCDF	pg/L	0.10	0.05	<0.10	<0.05

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Total HxCDF	pg/L	0.20	0.07	<0.20	<0.07
Total HpCDF	pg/L	0.40	0.30	<0.40	<0.30
Total PCDFs	pg/L	0.40	0.30	7.62	2.31
Total TEQ (ND=0) (WHO Calc)	pg/L			0.13	0.04
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			0.46	0.18
Total TEQ (ND=DL) (WHO Calc)	pg/L			0.78	0.31
Surrogate: 13C12 2378 TeCDD	%	25-164	25-164	87	85
Surrogate: 13C12 12378 PeCDD	%	25-181	25-181	121	126
Surrogate: 13C12 123478 HxCDD	%	32-141	32-141	87	85
Surrogate: 13C12 123678 HxCDD	%	28-130	28-130	75	74
Surrogate: 13C12 1234678 HpCDD	%	23-140	23-140	83	79
Surrogate: 13C12 OCDD	%	17-157	17-157	88	84
Surrogate: 13C12 2378 TeCDF	%	24-169	24-169	84	81
Surrogate: 13C12 12378 PeCDF	%	25-185	25-185	95	96
Surrogate: 13C12 23478 PeCDF	%	21-178	21-178	101	103
Surrogate: 13C12 123478 HxCDF	%	26-152	26-152	73	74
Surrogate: 13C12 123678 HxCDF	%	26-123	26-123	77	76
Surrogate: 13C12 234678 HxCDF	%	28-136	28-136	82	78
Surrogate: 13C12 123789 HxCDF	%	29-147	29-147	82	79
Surrogate: 13C12 1234678 HpCDF	%	28-143	28-143	77	75
Surrogate: 13C12 1234789 HpCDF	%	26-138	26-138	89	84
Surrogate: 37C14 2378 TeCDD	%	35-197	35-197	78	83
EPA 8270 Extractables					
1,2,3-Trichlorobenzene	ug/L	4	0.40	<4	<0.40
1,2,4-Trichlorobenzene	ug/L	4	0.40	<4	<0.40
1,2-Dichlorobenzene	ug/L	4	0.40	<4	<0.40
1,3-Dichlorobenzene	ug/L	4	0.40	<4	<0.40
1,4-Dichlorobenzene	ug/L	4	0.40	<4	<0.40
1-Chloronaphthalene	ug/L	4	0.40	<4	<0.40
1-Methylnaphthalene	ug/L	4	0.40	<4	<0.40
2,3,4,5-Tetrachlorophenol	ug/L	5	0.50	<5	<0.50
2,3,4,6-Tetrachlorophenol	ug/L	5	0.50	<5	<0.50
2,3,4-Trichlorophenol	ug/L	5	0.50	<5	<0.50
2,3,5,6-Tetrachlorophenol	ug/L	5	0.50	<5	<0.50
2,3,5-Trichlorophenol	ug/L	5	0.50	<5	<0.50
2,4,5-Trichlorophenol	ug/L	5	0.50	<5	<0.50
2,4,6-Trichlorophenol	ug/L	5	0.50	<5	<0.50
2,4-Dichlorophenol	ug/L	3	0.30	<3	<0.30
2,4-Dimethylphenol	ug/L	5	0.50	<5	<0.50
2,4-Dinitrophenol	ug/L	10	1.0	<10	<1.0
2,4-Dinitrotoluene	ug/L	4	0.40	<4	<0.40
2,6-Dichlorophenol	ug/L	5	0.50	<5	<0.50
2,6-Dinitrotoluene	ug/L	4	0.40	<4	<0.40
2-Chloronaphthalene	ug/L	4	0.40	<4	<0.40
2-Chlorophenol	ug/L	3	0.30	<3	<0.30
2-Methylnaphthalene	ug/L	4	0.40	<4	<0.40
2-Methylphenol	ug/L	5	0.50	<5	<0.50
2-Nitrophenol	ug/L	5	0.50	<5	<0.50
3&4-Methylphenol	ug/L	5	0.50	64.2	<0.50
3,3'-Dichlorobenzidine	ug/L	4	0.40	<4	<0.40
4,6-Dinitro-2-methylphenol	ug/L	20	2.0	<20	<2.0
4-Bromophenyl phenyl ether	ug/L	4	0.40	<4	<0.40

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
4-Chloro-3-methylphenol	ug/L	5	0.50	<5	<0.50
4-Chloroaniline	ug/L	4	0.40	<4	<0.40
4-Chlorophenyl phenyl ether	ug/L	4	0.40	<4	<0.40
4-Nitrophenol	ug/L	5	0.50	<5	<0.50
5-Nitroacenaphthene	ug/L	4	0.40	<4	<0.40
Acenaphthene	ug/L	2	0.20	<2	<0.20
Acenaphthylene	ug/L	2	0.20	<2	<0.20
Anthracene	ug/L	2	0.20	<2	<0.20
Benzo(a)anthracene	ug/L	2	0.20	<2	<0.20
Benzo(a)pyrene	ug/L	0.5	0.050	<0.5	<0.050
Benzo(b)fluoranthene	ug/L	2	0.20	<2	<0.20
Benzo(ghi)perylene	ug/L	2	0.20	<2	<0.20
Benzo(k)fluoranthene	ug/L	2	0.20	<2	<0.20
Biphenyl	ug/L	4	0.40	<4	<0.40
Bis(2-chloroethoxy)methane	ug/L	4	0.40	<4	<0.40
Bis(2-chloroethyl)ether	ug/L	4	0.40	<4	<0.40
Bis(2-chloroisopropyl)ether	ug/L	4	0.40	<4	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	20	2.0	<20	<2.0
Butylbenzyl phthalate	ug/L	4	0.40	<4	<0.40
Camphene	ug/L	4	0.40	<4	<0.40
Chrysene	ug/L	2	0.20	<2	<0.20
Cresols (total)	ug/L	10	1.0	64	<1.0
Dibenzo(a,h)anthracene	ug/L	2	0.20	<2	<0.20
Dibenzofuran	ug/L	2	0.20	<2	<0.20
Diethylphthalate	ug/L	2	0.20	<2	<0.20
Dimethylphthalate	ug/L	2	0.20	<2	<0.20
Di-n-butylphthalate	ug/L	20	2.0	<20	<2.0
Di-n-octylphthalate	ug/L	4	0.40	<4	0.72
Diphenyl ether	ug/L	4	0.40	<4	<0.40
Diphenylamine	ug/L	4	0.40	<4	<0.40
Fluoranthene	ug/L	2	0.20	<2	<0.20
Fluorene	ug/L	2	0.20	<2	<0.20
Hexachlorobenzene	ug/L	0.4	0.040	<0.4	<0.040
Hexachlorobutadiene	ug/L	2	0.20	<2	<0.20
Hexachlorocyclopentadiene	ug/L	4	0.40	<4	<0.40
Hexachloroethane	ug/L	4	0.40	<4	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	2	0.20	<2	<0.20
Indole	ug/L	4	0.40	4.9	<0.40
Isophorone	ug/L	4	0.40	<4	<0.40
Naphthalene	ug/L	2	0.20	<2	<0.20
Nitrobenzene	ug/L	4	0.40	<4	<0.40
N-Nitroso-di-n-propylamine	ug/L	4	0.40	<4	<0.40
Pentachlorophenol	ug/L	5	0.50	<5	<0.50
Perylene	ug/L	2	0.20	<2	<0.20
Phenanthrene	ug/L	2	0.20	<2	<0.20
Phenol	ug/L	5	0.50	10.4	<0.50
Pyrene	ug/L	2	0.20	<2	<0.20
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	68	62
Surrogate: 2,4,6-Tribromophenol	%	40-150	40-150	114	51
Surrogate: Nitrobenzene d5	%	50-130	50-130	95	78
Surrogate: p-Terphenyl d14	%	50-150	50-150	52	54
Surrogate: Phenol d5	%	30-130	30-130	67	37

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2'nd Quarter Sampling	May 16, 2011			NEWPCC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Low Level Nonylphenols and Ethoxylates						
Nonylphenols	ug/L	0.40	0.40	1.4	1.60	
Nonylphenol Monoethoxylates	ug/L	0.5	0.50	<0.5	<0.50	
Nonylphenol Diethoxylates	ug/L	1.2	1.2	<1.2	<1.2	
t-Octylphenol	ug/L	0.02	0.02	0.15	0.13	
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			1.6	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	75	86	
Pesticides, Organochlorine						
a-chlordane	ug/L	1.0	1.0	<1.0	<1.0	
Aldrin	ug/L	1.0	1.0	<1.0	<1.0	
alpha-BHC	ug/L	1.0	1.0	<1.0	<1.0	
alpha-Endosulfan	ug/L	1.0	1.0	<1.0	<1.0	
beta-BHC	ug/L	1.0	1.0	<1.0	<1.0	
beta-Endosulfan	ug/L	1.0	1.0	<1.0	<1.0	
delta-BHC	ug/L	1.0	1.0	<1.0	<1.0	
Dieldrin	ug/L	1.0	1.0	<1.0	<1.0	
Endosulfan Sulfate	ug/L	1.0	1.0	<1.0	<1.0	
Endrin	ug/L	1.0	1.0	<1.0	<1.0	
Endrin Aldehyde	ug/L	1.0	1.0	<1.0	<1.0	
g-chlordane	ug/L	1.0	1.0	<1.0	<1.0	
Heptachlor	ug/L	1.0	1.0	<1.0	<1.0	
Heptachlor Epoxide	ug/L	1.0	1.0	<1.0	<1.0	
Lindane	ug/L	1.0	1.0	<1.0	<1.0	
Methoxychlor	ug/L	1.0	1.0	<1.0	<1.0	
Mirex	ug/L	1.0	1.0	<1.0	<1.0	
o,p-DDE	ug/L	1.0	1.0	<1.0	<1.0	
op-DDD	ug/L	1.0	1.0	<1.0	<1.0	
op-DDT	ug/L	1.0	1.0	<1.0	<1.0	
Oxychlordane	ug/L	1.0	1.0	<1.0	<1.0	
pp-DDD	ug/L	1.0	1.0	<1.0	<1.0	
pp-DDE	ug/L	1.0	1.0	<1.0	<1.0	
pp-DDT	ug/L	1.0	1.0	<1.0	<1.0	
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	88	54	
Surrogate: d14-Terphenyl	%	50-150	50-150	94	71	

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2'nd Quarter Sampling Parameter	May 16, 2011			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Phenoxyacid Herbicides by GC/MS					
2,4,5-T	ug/L	0.5	0.50	<0.5	<0.50
2,4,5-TP	ug/L	0.5	0.50	<0.5	<0.50
2,4-D	ug/L	0.5	0.50	<0.5	<0.50
Bromoxynil	ug/L	0.5	0.50	<0.5	<0.50
Dicamba	ug/L	0.5	0.50	<0.5	<0.50
Dinoseb	ug/L	0.5	0.50	<0.5	<0.50
MCPA	ug/L	0.5	0.50	<0.5	<0.50
Mecoprop	ug/L	0.5	0.50	<0.5	<0.50
Picloram	ug/L	0.5	0.50	<0.5	<0.50
Surrogate: 2,4-Dichlorophenylacetic Acid	%	50-130	50-130	112	112
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	119	91
Surrogate: p-Terphenyl d14	%	40-130	40-130	85	91
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	58	<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	2.14	2.7
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	1.38	<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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2'nd Quarter Sampling Parameter	May 16, 2011			NEWPCC	
	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	2.75	<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	2.1	2.7
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	143	130
Surrogate: Toluene-d8	%	70-130	70-130	102	101
Surrogate: 4-Bromofluorobenzene	%	50-150	50-150	95	102

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			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	mg/L	0.0010	0.0010	0.0021	0.0020
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0290	0.0010
Tetraethyl Lead	ug/L	0.007	0.0007	<0.007	<0.0007
Total Oil and Grease	mg/L	1.0	1.0	85.9	<1.0
Toxaphene**	mg/L	0.05	0.0015	<0.05	<0.0015
Tributyltin	ug/L	0.005	0.005	<0.005	<0.005
Trout Bioassay	Pass/Fail			NA	Fail
Surrogate: Tributyltin Chloride-D27	%	50-150	50-150	186	226
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00291	0.00166
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000137	0.000016
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0052	0.002
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.0455	0.00206
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00344	0.000204
Mercury (Hg)-Total	ng/L	1.0	1.0	36.1	3.3
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00558	0.00562
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0057	0.0057
Selenium (Se)-Total	mg/L	0.001	0.0010	<0.001	<0.0010
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.103	0.0335
Dioxins and Furans					
2378 TeCDD	pg/L	0.92	0.68	<0.92	<0.68
12378 PeCDD	pg/L	4.6	1.60	<4.6	<1.60
123478 HxCDD	pg/L	3.5	0.85	<3.5	<0.85
123678 HxCDD	pg/L	3.8	0.90	6.6	<0.90
123789 HxCDD	pg/L	3.7	0.88	<3.7	<0.88
1234678 HpCDD	pg/L	4.3	1.70	171	<1.70
OCDD	pg/L	12	4.80	1240	6.30
Total TCDD	pg/L	0.92	0.68	1.23	<0.68
Total PeCDD	pg/L	4.6	1.60	38.4	<1.60
Total HxCDD	pg/L	3.8	0.90	18.3	<0.90
Total HpCDD	pg/L	4.3	1.70	328	<1.70
2378 TeCDF	pg/L	1.6	0.41	<1.6	<0.41
12378 PeCDF	pg/L	1.3	0.98	<1.3	<0.98
23478 PeCDF	pg/L	1.1	0.98	<1.1	<0.98
123478 HxCDF	pg/L	1.9	0.45	<1.9	<0.45
123678 HxCDF	pg/L	2.0	0.45	<2.0	<0.45
123789 HxCDF	pg/L	2.2	0.51	<2.2	<0.51
234678 HxCDF	pg/L	2.6	0.57	<2.6	<0.57
1234678 HpCDF	pg/L	2.6	0.38	13	0.69
1234789 HpCDF	pg/L	4.3	0.54	<4.3	0.55
OCDF	pg/L	7.9	2.60	49.6	<2.60
Total TCDF	pg/L	1.6	0.41	<1.6	<0.41
Total PeCDF	pg/L	1.3	0.98	2.2	<0.98
Total HxCDF	pg/L	2.6	0.57	<2.6	<0.57
Total HpCDF	pg/L	4.3	0.54	<4.3	0.69
Total TEQ (ND=0) (WHO Calc)	pg/L			2.75	0.00692
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			6.73	2.23
Total TEQ (ND=DL) (WHO Calc)	pg/L			10.60	3.14

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3'rd Quarter Sampling Parameter	August 9, 2011			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Surrogate: 13C12 2378 TeCDD	%	20-175	20-175	110	55
Surrogate: 13C12 12378 PeCDD	%	21-227	21-227	66	88
Surrogate: 13C12 123478 HxCDD	%	21-193	21-193	62	65
Surrogate: 13C12 123678 HxCDD	%	25-163	25-163	61	61
Surrogate: 13C12 1234678 HpCDD	%	23-166	23-166	47	57
Surrogate: 13C12 OCDD	%	13-157	13-157	36	46
Surrogate: 13C12 2378 TeCDF	%	22-169	22-169	80	80
Surrogate: 13C12 12378 PeCDF	%	24-185	24-185	71	97
Surrogate: 13C12 23478 PeCDF	%	21-178	21-178	71	89
Surrogate: 13C12 123478 HxCDF	%	26-152	26-152	69	71
Surrogate: 13C12 123678 HxCDF	%	21-159	21-159	64	65
Surrogate: 13C12 234678 HxCDF	%	17-205	17-205	61	60
Surrogate: 13C12 123789 HxCDF	%	28-136	28-136	60	65
Surrogate: 13C12 1234678 HpCDF	%	21-158	21-158	57	60
Surrogate: 13C12 1234789 HpCDF	%	20-186	20-186	48	56
Surrogate: 37C14 2378 TeCDD	%	31-197	31-197	79	58
EPA 8270 Extractables					
1,2,3-Trichlorobenzene	ug/L	4	4	<4	<4
1,2,4-Trichlorobenzene	ug/L	4	4	<4	<4
1,2-Dichlorobenzene	ug/L	4	4	<4	<4
1,3-Dichlorobenzene	ug/L	4	4	<4	<4
1,4-Dichlorobenzene	ug/L	4	4	<4	<4
1-Chloronaphthalene	ug/L	4	4	<4	<4
1-Methylnaphthalene	ug/L	4	4	<4	<4
2,3,4,5-Tetrachlorophenol	ug/L	5	5	<5	<5
2,3,4,6-Tetrachlorophenol	ug/L	5	5	<5	<5
2,3,4-Trichlorophenol	ug/L	5	5	<5	<5
2,3,5,6-Tetrachlorophenol	ug/L	5	5	<5	<5
2,3,5-Trichlorophenol	ug/L	5	5	<5	<5
2,4,5-Trichlorophenol	ug/L	5	5	<5	<5
2,4,6-Trichlorophenol	ug/L	5	5	<5	<5
2,4-Dichlorophenol	ug/L	3	3	<3	<3
2,4-Dimethylphenol	ug/L	5	5	<5	<5
2,4-Dinitrophenol	ug/L	10	10	<10	<10
2,4-Dinitrotoluene	ug/L	4	4	<4	<4
2,6-Dichlorophenol	ug/L	5	5	<5	<5
2,6-Dinitrotoluene	ug/L	4	4	<4	<4
2-Chloronaphthalene	ug/L	4	4	<4	<4
2-Chlorophenol	ug/L	3	3	<3	<3
2-Methylnaphthalene	ug/L	4	4	<4	<4
2-Methylphenol	ug/L	5	5	<5	<5
2-Nitrophenol	ug/L	5	5	<5	<5
3&4-Methylphenol	ug/L	5	5	78.9	<5
3,3'-Dichlorobenzidine	ug/L	4	4	<4	<4
4,6-Dinitro-2-methylphenol	ug/L	20	20	<20	<20
4-Bromophenyl phenyl ether	ug/L	4	4	<4	<4
4-Chloro-3-methylphenol	ug/L	5	5	<5	<5
4-Chloroaniline	ug/L	4	4	<4	<4
4-Chlorophenyl phenyl ether	ug/L	4	4	<4	<4
4-Nitrophenol	ug/L	5	5	<5	<5
5-Nitroacenaphthene	ug/L	4	4	<4	<4

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3'rd Quarter Sampling Parameter	August 9, 2011			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Acenaphthene	ug/L	2	2	<2	<2
Acenaphthylene	ug/L	2	2	<2	<2
Anthracene	ug/L	2	2	<2	<2
Benzo(a)anthracene	ug/L	2	2	<2	<2
Benzo(a)pyrene	ug/L	0.5	0.5	<0.5	<0.5
Benzo(b)fluoranthene	ug/L	2	2	<2	<2
Benzo(ghi)perylene	ug/L	2	2	<2	<2
Benzo(k)fluoranthene	ug/L	2	2	<2	<2
Biphenyl	ug/L	4	4	<4	<4
Bis(2-chloroethoxy)methane	ug/L	4	4	<4	<4
Bis(2-chloroethyl)ether	ug/L	4	4	<4	<4
Bis(2-chloroisopropyl)ether	ug/L	4	4	<4	<4
Bis(2-ethylhexyl)phthalate	ug/L	20	20	<20	<20
Butylbenzyl phthalate	ug/L	4	4	<4	<4
Camphene	ug/L	4	4	<4	<4
Chrysene	ug/L	2	2	<2	<2
Cresols (total)	ug/L	10	10	79	<10
Dibenzo(a,h)anthracene	ug/L	2	2	<2	<2
Dibenzofuran	ug/L	2	2	<2	<2
Diethylphthalate	ug/L	2	2	<2	<2
Dimethylphthalate	ug/L	2	2	<2	<2
Di-n-butylphthalate	ug/L	20	20	<20	<20
Di-n-octylphthalate	ug/L	4	4	<4	<4
Diphenyl ether	ug/L	4	4	<4	<4
Diphenylamine	ug/L	4	4	<4	<4
Fluoranthene	ug/L	2	2	<2	<2
Fluorene	ug/L	2	2	<2	<2
Hexachlorobenzene	ug/L	0.4	0.4	<0.4	<0.4
Hexachlorobutadiene	ug/L	2	2	<2	<2
Hexachlorocyclopentadiene	ug/L	4	4	<4	<4
Hexachloroethane	ug/L	4	4	<4	<4
Indeno(1,2,3-cd)pyrene	ug/L	2	2	<2	<2
Indole	ug/L	4	4	13.9	<4
Isophorone	ug/L	4	4	<4	<4
Naphthalene	ug/L	2	2	<2	<2
Nitrobenzene	ug/L	4	4	<4	<4
N-Nitroso-di-n-propylamine	ug/L	4	4	<4	<4
Pentachlorophenol	ug/L	5	5	<5	<5
Perylene	ug/L	2	2	<2	<2
Phenanthrene	ug/L	2	2	<2	<2
Phenol	ug/L	5	5	14.2	<5
Pyrene	ug/L	2	2	<2	<2
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	163	95
Surrogate: 2,4,6-Tribromophenol	%	40-150	40-150	127	115
Surrogate: Nitrobenzene d5	%	50-130	50-130	91	113
Surrogate: p-Terphenyl d14	%	50-150	50-150	67	104
Surrogate: Phenol d5	%	30-130	30-130	122	87

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3'rd Quarter Sampling Parameter	August 9, 2011			NEWPCC	
	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	0.5	0.26
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	0.10	0.10	<0.10	0.13
PCB					
Aroclor 1016	mg/L	0.000100	0.000100	<0.000100	<0.000100
Aroclor 1221	mg/L	0.000100	0.000100	<0.000100	<0.000100
Aroclor 1232	mg/L	0.000100	0.000100	<0.000100	<0.000100
Aroclor 1242	mg/L	0.000100	0.000100	<0.000100	<0.000100
Aroclor 1248	mg/L	0.000100	0.000100	<0.000100	<0.000100
Aroclor 1254	mg/L	0.000100	0.000100	<0.000100	<0.000100
Aroclor 1260	mg/L	0.000100	0.000100	<0.000100	<0.000100
Aroclor 1262	mg/L	0.000100	0.000100	<0.000100	<0.000100
Aroclor 1268	mg/L	0.000100	0.000100	<0.000100	<0.000100
Total PCBs	mg/L	0.000300	0.000300	<0.000300	<0.000300
Surrogate: Decachlorobiphenyl	%	50-150	50-150	51	72
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*	56
Surrogate: d14-Terphenyl	%	50-150	50-150	0*	78

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3'rd Quarter Sampling Parameter	August 9, 2011			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
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	89	89
Target Compounds by GC/MS					
Octachlorostyrene	mg/L	0.00050	0.000050	<0.00050	<0.000050
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	88	82
Surrogate: p-Terphenyl d14	%	50-150	50-150	102	78
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	0.53	<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	0.70	0.79
2-Hexanone	ug/L	20	20	<20	<20
Acetone	ug/L	20	20	61	<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	4.13	3.58
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	1.15	<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
MTBE	ug/L	0.50	0.50	<0.50	<0.50
o-Xylene	ug/L	0.50	0.50	<0.50	<0.50

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3'rd Quarter Sampling Parameter	August 9, 2011			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Styrene	ug/L	0.50	0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	2.30	<0.50
Toluene	ug/L	0.50	0.50	7.58	<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	3.60
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	126	112
Surrogate: Toluene-d8	%	70-130	70-130	97	103
Surrogate: 4-Bromofluorobenzene	%	50-150	50-150	87	115

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	November 1, 2011			NEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	mg/L	0.001	0.001	<0.001	<0.001
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0570	0.0050
Tetraethyl Lead	ug/L	0.007	0.007	<0.007	<0.007
Total Oil and Grease	mg/L	2.0	2.0	26.2	<2.0
Toxaphene	mg/L	0.40	0.002	<0.40	<0.002
Tributyltin	ug/L	0.005	0.005	<0.005	<0.005
Trout Bioassay	Pass/Fail			NA	Fail
Surrogate: Tributyltin Chloride-D27	%	50-150	50-150	24	78
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00218	0.00152
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000197	0.000035
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0112	0.0126
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.0756	0.00788
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00505	0.000461
Mercury (Hg)-Total	ng/L	10.0	0.5	42	4.7
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00569	0.00775
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0105	0.0213
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0018	<0.0010
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.0972	0.0221
Dioxins and Furans					
2378 TeCDD	pg/L	1.1	0.32	<1.1	<0.32
12378 PeCDD	pg/L	1.9	1.8	<1.9	<1.8
123478 HxCDD	pg/L	0.88	0.56	<0.88	<0.56
123678 HxCDD	pg/L	3.80	0.59	1.1	<0.59
123789 HxCDD	pg/L	0.91	0.59	<0.91	<0.59
1234678 HpCDD	pg/L	1.1	1.1	29.5	1.3
OCDD	pg/L	3.8	3.80	197	5.80
Total TCDD	pg/L	1.1	0.32	<1.1	2.35
Total PeCDD	pg/L	1.9	1.8	<1.9	<1.8
Total HxCDD	pg/L	0.59	0.59	1.81	<0.59
Total HpCDD	pg/L	1.1	1.1	59.2	<1.1
2378 TeCDF	pg/L	0.52	0.17	<0.52	<0.17
12378 PeCDF	pg/L	0.99	0.97	<0.99	<0.97
23478 PeCDF	pg/L	0.94	0.89	<0.94	<0.89
123478 HxCDF	pg/L	0.88	0.46	<0.88	<0.46
123678 HxCDF	pg/L	0.92	0.48	<0.92	<0.48
123789 HxCDF	pg/L	1.0	0.57	<1.0	<0.57
234678 HxCDF	pg/L	0.91	0.49	<0.91	<0.49
1234678 HpCDF	pg/L	0.44	0.44	4.07	<0.44
1234789 HpCDF	pg/L	0.96	0.64	<0.96	<0.64
OCDF	pg/L	2.30	2.50	6.9	<2.50
Total TCDF	pg/L	0.52	0.17	<0.52	2.44
Total PeCDF	pg/L	0.97	0.97	1.88	<0.97
Total HxCDF	pg/L	0.57	0.57	1.5	<0.57
Total HpCDF	pg/L	0.64	0.64	4.07	<0.64
Total TEQ (ND=0) (WHO Calc)	pg/L			0.395	0
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			3.43	1.58
Total TEQ (ND=DL) (WHO Calc)	pg/L			4.43	2.83

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4'th Quarter Sampling Parameter	November 1, 2011			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Surrogate: 13C12 2378 TeCDD	%	20-175	20-175	72	72
Surrogate: 13C12 12378 PeCDD	%	21-227	21-227	66	67
Surrogate: 13C12 123478 HxCDD	%	21-193	21-193	53	54
Surrogate: 13C12 123678 HxCDD	%	25-163	25-163	52	58
Surrogate: 13C12 1234678 HpCDD	%	23-166	23-166	64	69
Surrogate: 13C12 OCDD	%	13-157	13-157	77	94
Surrogate: 13C12 2378 TeCDF	%	22-169	22-169	73	74
Surrogate: 13C12 12378 PeCDF	%	24-185	24-185	72	69
Surrogate: 13C12 23478 PeCDF	%	21-178	21-178	72	69
Surrogate: 13C12 123478 HxCDF	%	26-152	26-152	54	56
Surrogate: 13C12 123678 HxCDF	%	21-159	21-159	50	52
Surrogate: 13C12 234678 HxCDF	%	17-205	17-205	51	52
Surrogate: 13C12 123789 HxCDF	%	28-136	28-136	53	53
Surrogate: 13C12 1234678 HpCDF	%	21-158	21-158	65	68
Surrogate: 13C12 1234789 HpCDF	%	20-186	20-186	61	65
Surrogate: 37C14 2378 TeCDD	%	31-197	31-197	72	67
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	5.0	<5.0	<5.0
2,3,4-Trichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,3,5,6-Tetrachlorophenol	ug/L	5.0	5.0	<5.0	<5.0
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	0.46	<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	5.0	5.0	169	<5.0
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			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
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	4.0	4.0	<4.0	<4.0
Bis(2-chloroethoxy)methane	ug/L	4.0	4.0	<4.0	<4.0
Bis(2-chloroethyl)ether	ug/L	4.0	4.0	<4.0	<4.0
Bis(2-chloroisopropyl)ether	ug/L	4.0	4.0	<4.0	<4.0
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	10	10	169	<10
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	2.6	<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	56.7	<4.0
Isophorone	ug/L	4.0	4.0	<4.0	<4.0
Naphthalene	ug/L	0.2	0.2	0.61	<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	5.0	63.1	<5.0
Pyrene	ug/L	0.20	0.20	<0.20	<0.20
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	107	89
Surrogate: 2,4,6-Tribromophenol	%	40-150	40-150	136	104
Surrogate: Nitrobenzene d5	%	50-130	50-130	128	105
Surrogate: p-Terphenyl d14	%	50-150	50-150	60	74
Surrogate: Phenol d5	%	30-130	30-130	0*	47

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4'th Quarter Sampling Parameter	November 1, 2011			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Low Level Nonylphenols and Ethoxylates					
Nonylphenols	ug/L	5.0	1.0	<5.0	<1.0
Nonylphenol Monoethoxylates	ug/L	10	2.0	<10	<2.0
Nonylphenol Diethoxylates	ug/L	0.1	0.1	0.57	0.22
t-Octylphenol	ug/L	5.0	1.0	<5.0	<1.0
t-Octylphenol Monoethoxylate	ug/L	10	2.0	<10	<2.0
t-Octylphenol Diethoxylate	ug/L	0.5	0.10	<0.5	0.21
PCB					
Aroclor 1016	mg/L	0.000200	0.000200	<0.000200	<0.000200
Aroclor 1221	mg/L	0.000200	0.000200	<0.000200	<0.000200
Aroclor 1232	mg/L	0.000200	0.000200	<0.000200	<0.000200
Aroclor 1242	mg/L	0.000200	0.000200	<0.000200	<0.000200
Aroclor 1248	mg/L	0.000200	0.000200	<0.000200	<0.000200
Aroclor 1254	mg/L	0.000200	0.000200	<0.000200	<0.000200
Aroclor 1260	mg/L	0.000200	0.000200	<0.000200	<0.000200
Aroclor 1262	mg/L	0.000200	0.000200	<0.000200	<0.000200
Aroclor 1268	mg/L	0.000200	0.000200	<0.000200	<0.000200
Total PCBs	mg/L	0.000600	0.000600	<0.000600	<0.000600
Surrogate: Decachlorobiphenyl	%	50-150	50-150	67	90
Pesticides, Organochlorine					
a-chlordane	ug/L	10.0	0.1	<10	<0.1
Aldrin	ug/L	10.0	0.1	<10	<0.1
alpha-BHC	ug/L	10.0	0.1	<10	<0.1
alpha-Endosulfan	ug/L	10.0	0.1	<10	<0.1
beta-BHC	ug/L	10.0	0.1	<10	<0.1
beta-Endosulfan	ug/L	10.0	0.1	<10	<0.1
delta-BHC	ug/L	10.0	0.1	<10	<0.1
Dieldrin	ug/L	10.0	0.1	<10	<0.1
Endosulfan Sulfate	ug/L	10.0	0.1	<10	<0.1
Endrin	ug/L	10.0	0.1	<10	<0.1
Endrin Aldehyde	ug/L	10.0	0.1	<10	<0.1
g-chlordane	ug/L	10.0	0.1	<10	<0.1
Heptachlor	ug/L	10.0	0.1	<10	<0.1
Heptachlor Epoxide	ug/L	10.0	0.1	<10	<0.1
Lindane	ug/L	10.0	0.1	<10	<0.1
Methoxychlor	ug/L	10.0	0.1	<10	<0.1
Mirex	ug/L	10.0	0.1	<10	<0.1
o,p-DDE	ug/L	10.0	0.1	<10	<0.1
op-DDD	ug/L	10.0	0.1	<10	<0.1
op-DDT	ug/L	10.0	0.1	<10	<0.1
Oxychlordane	ug/L	10.0	0.1	<10	<0.1
pp-DDD	ug/L	10.0	0.1	<10	<0.1
pp-DDE	ug/L	10.0	0.1	<10	<0.1
pp-DDT	ug/L	10.0	0.1	<10	<0.1
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	93	63
Surrogate: d14-Terphenyl	%	50-150	50-150	133	63

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4'th Quarter Sampling Parameter	November 1, 2011			NEWPCC	
	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	111	107
Target Compounds by GC/MS					
Octachlorostyrene	mg/L	0.00050	0.000050	<0.00050	<0.000050
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	107	89
Surrogate: p-Terphenyl d14	%	50-150	50-150	60	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	0.62	<0.50
2-Hexanone	ug/L	20	20	<20	<20
Acetone	ug/L	20	20	88	<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	0.90	<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	3.06	1.88
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	1.20	<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	1.73	<0.50
Ethyl Benzene	ug/L	0.50	0.50	1.51	<0.50
m+p-Xylenes	ug/L	1.0	1.0	5.1	<1.0
Methyl Ethyl Ketone	ug/L	20	20	38	<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	2	<0.50

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4'th Quarter Sampling Parameter	November 1, 2011			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Styrene	ug/L	0.50	0.50	0.52	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	0.57	<0.50
Toluene	ug/L	0.50	0.50	40.3	0.81
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	0.79	<0.50
Trichlorofluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Trihalomethanes (total)	ug/L	2.0	2.0	3.1	<2.0
Vinyl chloride	ug/L	0.50	0.50	2	<0.50
Xylenes (Total)	ug/L	1.5	1.5	7.1	<1.5
Surrogate: 1,2-Dichloroethane d4	%	50-150	50-150	103	100
Surrogate: Toluene-d8	%	70-130	70-130	106	103
Surrogate: 4-Bromofluorobenzene	%	50-150	50-150	104	102

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*