

**City Of Winnipeg  
Water Waste Department**

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

1'st Quarter Sampling Parameter	February 11, 2010			NEWPCC	
	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	0.0592	0.0044
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	5.0	1.0	87.6	<1.0
Toxaphene	mg/L	0.50	0.50	<0.50	<0.50
Tributyltin	ug/L	0.001	0.001	0.003	<0.001
Trout Bioassay	Pass/Fail			NA	Fail
<b>Total Metals by ICP-MS</b>					
Arsenic (As)-Total	mg/L	0.00050	0.00050	0.00224	0.00159
Cadmium (Cd)-Total	mg/L	0.00020	0.00020	0.00035	<0.00020
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0057	0.0053
Copper (Cu)-Total	mg/L	0.0010	0.0010	0.0896	0.0127
Lead (Pb)-Total	mg/L	0.00050	0.00050	0.00550	0.00074
Mercury (Hg)-Total	ng/L	1.0	1.0	18.2	4.0
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.0168	0.0143
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0237	0.0083
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0011	<0.0010
Zinc (Zn)-Total	mg/L	0.010	0.010	0.131	0.099
<b>Dioxins and Furans</b>					
2378 TeCDD	pg/L	1.0	0.50	<1.0	<0.50
12378 PeCDD	pg/L	0.30	0.30	<0.30	<0.30
123478 HxCDD	pg/L	0.50	0.40	<0.50	<0.40
123678 HxCDD	pg/L	0.60	0.50	<0.60	<0.50
123789 HxCDD	pg/L	0.60	0.50	<0.60	<0.50
1234678 HpCDD	pg/L	0.70	0.60	16.1	<0.60
OCDD	pg/L	2.0	0.90	133	22.8
Total TCDD	pg/L	1.0	0.50	<1.0	<0.50
Total PeCDD	pg/L	0.30	0.30	<0.30	<0.30
Total HxCDD	pg/L	0.60	0.50	<0.60	<0.50
Total HpCDD	pg/L	0.70	0.60	29.6	<0.60
Total PCDDs	pg/L	2.0	0.90	163	22.8
2378 TeCDF	pg/L	0.90	0.40	<0.90	<0.40
12378 PeCDF	pg/L	0.20	0.20	<0.20	<0.20
23478 PeCDF	pg/L	0.30	0.20	<0.30	<0.20
123478 HxCDF	pg/L	0.20	0.10	<0.20	<0.10
123678 HxCDF	pg/L	0.20	0.20	<0.20	<0.20
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	0.20	0.30	4.83	<0.30
1234789 HpCDF	pg/L	0.40	0.40	<0.40	<0.40
OCDF	pg/L	0.70	0.90	14.5	<0.90
Total TCDF	pg/L	0.90	0.40	<0.90	<0.40
Total PeCDF	pg/L	0.30	0.20	<0.30	<0.20
Total HxCDF	pg/L	0.30	0.20	<0.30	<0.20
Total HpCDF	pg/L	0.40	0.40	4.86	<0.40
Total PCDFs	pg/L	0.90	0.90	19.4	<0.90
Total TEQ (ND=0) (WHO Calc)	pg/L			0.25	0.01
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			1.13	0.57

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Total TEQ (ND=DL) (WHO Calc)	pg/L				2	1.14
13C12 2378 TeCDD	%				22	52
13C12 12378 PeCDD	%				45	58
13C12 123478 HxCDD	%				53	53
13C12 123678 HxCDD	%				47	46
13C12 1234678 HpCDD	%				63	46
13C12 OCDD	%				57	40
13C12 2378 TeCDF	%				25	53
13C12 12378 PeCDF	%				50	63
13C12 23478 PeCDF	%				45	61
13C12 123478 HxCDF	%				65	64
13C12 123678 HxCDF	%				67	58
13C12 234678 HxCDF	%				67	53
13C12 123789 HxCDF	%				67	60
13C12 1234678 HpCDF	%				67	50
13C12 1234789 HpCDF	%				71	52
37C14 2378 TeCDD	%				24	58
<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	%				124	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	%				54	55
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		77.8	<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	78	<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	<4.0	<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	29	<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	%			98	66
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	7.8	<0.50
Phenol d5	%			17	16
p-Terphenyl d14	%			50	67
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	3.07	1.90
Nonylphenol Monoethoxylates	ug/L	0.50	0.50	5.87	0.75

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Nonylphenol Diethoxylates	ug/L	1.2	1.2	2.5	<1.2
Nonylphenol Triethoxylates	ug/L	2.0	2.0	4.3	<2.0
t-Octylphenol	ug/L	0.020	0.020	0.396	0.233
t-Octylphenol Monoethoxylate	ug/L	0.10	0.10	0.24	<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			9.9	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	%			58	75
<b>Pesticides, Organochlorine</b>					
2-Fluorobiphenyl	%			33	62
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	2.0	0.10	<2.0	<0.10
beta-BHC	ug/L	0.10	0.10	<0.10	<0.10
beta-Endosulfan	ug/L	0.10	0.10	<0.10	<0.10
d14-Terphenyl	%			47	81
delta-BHC	ug/L	0.16	0.10	<0.16	<0.10
Dieldrin	ug/L	0.92	0.10	<0.92	<0.10
Endosulfan Sulfate	ug/L	0.10	0.10	<0.10	<0.10
Endrin	ug/L	0.10	0.10	<0.10	<0.10
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	0.11	<0.10	<0.11
op-DDT	ug/L	0.10	0.10	<0.10	<0.10
Oxychlordane	ug/L	0.10	0.10	<0.10	<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	%			95	105
Bromoxynil	ug/L	5.0	0.50	<5.0	<0.50
Dicamba	ug/L	5.0	0.50	<5.0	0.57
Dinoseb	ug/L	5.0	0.50	<5.0	<0.50
MCPA	ug/L	5.0	0.50	5.3	13.0
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	%			98	98
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	%			93	10
<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	100
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	0.66	0.57
2-Hexanone	ug/L	20	20	<20	<20
4-Bromofluorobenzene	%			94	95
Acetone	ug/L	100	20	350	<20
Benzene	ug/L	0.50	0.5	<0.50	<0.50
Bromodichloromethane	ug/L	0.50	0.5	<0.50	<0.50
Bromoform	ug/L	0.50	0.5	<0.50	<0.50
Bromomethane	ug/L	2.0	3.0	<2.0	<3.0
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	6.69	5.68
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	2.00	<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	1.38	<0.50
Toluene	ug/L	0.50	0.50	7.33	<0.50
Toluene-d8	%			97	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	6.7	5.7
Vinyl chloride	ug/L	0.50	0.50	<0.50	<0.50
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5

**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 Parameter	May 13, 2010			NEWPCC	
	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	0.0333	0.0026
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	1.0	1.0	37.5	<1.0
Toxaphene	mg/L	0.00010	0.00	<0.00010	<0.00010
Tributyltin	ug/L	0.0010	0.0010	<0.0010	0.0011
Trout Bioassay	Pass/Fail			NA	Fail
<b>Total Metals by ICP-MS</b>					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00237	0.0023
Cadmium (Cd)-Total	mg/L	0.00001	0.00001	0.000139	0.000053
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0053	0.0044
Copper (Cu)-Total	mg/L	0.0002	0.0002	0.0657	0.00717
Lead (Pb)-Total	mg/L	0.00009	0.00009	0.00406	0.00090
Mercury (Hg)-Total	ng/L	1.0	1.0	29.2	4.1
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00915	0.00918
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0068	0.0069
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0021	0.0017
Zinc (Zn)-Total	mg/L	0.005	0.005	0.0769	0.0701
<b>Dioxins and Furans</b>					
2378 TeCDD	pg/L	0.70	0.60	<0.70	<0.60
12378 PeCDD	pg/L	0.50	0.50	<0.50	<0.50
123478 HxCDD	pg/L	0.40	0.30	<0.40	<0.30
123678 HxCDD	pg/L	0.50	0.40	<0.50	<0.40
123789 HxCDD	pg/L	0.40	0.40	<0.40	<0.40
1234678 HpCDD	pg/L	0.50	0.40	6.88	3.61
OCDD	pg/L	1.0	0.50	52.7	12.8
Total TCDD	pg/L	0.70	0.60	<0.70	<0.60
Total PeCDD	pg/L	0.50	0.50	<0.50	<0.50
Total HxCDD	pg/L	0.50	0.40	<0.50	<0.40
Total HpCDD	pg/L	0.50	0.40	14.3	3.92
Total PCDDs	pg/L	1.0	0.60	67.1	16.7
2378 TeCDF	pg/L	0.50	0.40	<0.50	<0.40
12378 PeCDF	pg/L	0.30	0.40	<0.30	<0.40
23478 PeCDF	pg/L	0.30	0.30	<0.30	<0.30
123478 HxCDF	pg/L	0.30	0.20	<0.30	<0.20
123678 HxCDF	pg/L	0.20	0.20	<0.20	<0.20
123789 HxCDF	pg/L	0.30	0.30	<0.30	<0.30
234678 HxCDF	pg/L	0.30	0.20	<0.30	<0.20
1234678 HpCDF	pg/L	1.0	0.70	<1.0	<0.70
1234789 HpCDF	pg/L	1.0	0.90	<1.0	<0.90
OCDF	pg/L	0.90	0.70	7.44	<0.70
Total TCDF	pg/L	0.50	0.40	<0.50	<0.40
Total PeCDF	pg/L	0.30	0.40	<0.30	<0.40
Total HxCDF	pg/L	0.30	0.30	<0.30	<0.30
Total HpCDF	pg/L	1.0	0.90	<1.0	<0.90
Total PCDFs	pg/L	1.0	0.90	7.4	<0.90
Total TEQ (ND=0) (WHO Calc)	pg/L			0.09	0.04
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			0.89	0.77

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2'nd Quarter Sampling	May 13, 2010			NEWPCC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
					Grab	Grab
Total TEQ (ND=DL) (WHO Calc)	pg/L				1.7	1.5
13C12 2378 TeCDD	%				82	63
13C12 12378 PeCDD	%				86	58
13C12 123478 HxCDD	%				87	61
13C12 123678 HxCDD	%				69	52
13C12 1234678 HpCDD	%				74	63
13C12 OCDD	%				67	56
13C12 2378 TeCDF	%				80	67
13C12 12378 PeCDF	%				88	51
13C12 23478 PeCDF	%				90	62
13C12 123478 HxCDF	%				72	55
13C12 123678 HxCDF	%				78	59
13C12 234678 HxCDF	%				78	58
13C12 123789 HxCDF	%				77	58
13C12 1234678 HpCDF	%				73	58
13C12 1234789 HpCDF	%				73	60
37C14 2378 TeCDD	%				68	66
<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	%				119	121
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	%				51	56
2-Methylnaphthalene	ug/L	0.40	0.40		0.50	<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		<0.50	<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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2'nd Quarter Sampling Parameter	May 13, 2010			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
				Grab	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	4.8	<2.0
Butylbenzyl phthalate	ug/L	0.40	0.40	6.42	<0.40
Camphene	ug/L	0.40	0.40	<0.40	<0.40
Chrysene	ug/L	0.20	0.20	<0.20	<0.20
Cresols (total)	ug/L	1.0	1.0	<1.0	<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	0.43	<0.20
Dimethylphthalate	ug/L	0.20	0.20	<0.20	<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	0.74	<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	%			82	82
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	<0.50	<0.50
Phenol d5	%			23	68
p-Terphenyl d14	%			61	87
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	4.51	0.94
Nonylphenol Monoethoxylates	ug/L	0.50	0.50	10.7	0.91

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2'nd Quarter Sampling Parameter	May 13, 2010		NEWPCC		
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Nonylphenol Diethoxylates	ug/L	1.2	1.2	2.4	<1.2
Nonylphenol Triethoxylates	ug/L	2.0	2.0	4.7	<2.0
t-Octylphenol	ug/L	0.020	0.020	0.184	0.187
t-Octylphenol Monoethoxylate	ug/L	0.10	0.10	0.19	<0.10
t-Octylphenol Diethoxylate	ug/L	0.20	0.20	<0.20	<0.20
t-Octylphenol Triethoxylate	ug/L	0.50	0.50	<0.50	<0.50
TOTAL TEQ (CCME)	ug/L			14	1.6
<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	%			81	97
<b>Pesticides, Organochlorine</b>					
2-Fluorobiphenyl	%			61	78
a-chlordane	ug/L	1.0	0.1	<1.0	<0.10
Aldrin	ug/L	1.0	0.1	<1.0	<0.10
alpha-BHC	ug/L	1.0	0.1	<1.0	<0.10
alpha-Endosulfan	ug/L	1.0	0.1	<1.0	<0.10
beta-BHC	ug/L	1.0	0.1	<1.0	<0.10
beta-Endosulfan	ug/L	1.0	0.1	<1.0	<0.10
d14-Terphenyl	%			59	88
delta-BHC	ug/L	1.0	0.1	<1.0	<0.10
Dieldrin	ug/L	1.0	0.1	<1.0	<0.10
Endosulfan Sulfate	ug/L	2.0	0.1	<2.0	<0.10
Endrin	ug/L	1.0	0.1	<1.0	<0.10
Endrin Aldehyde	ug/L	1.0	0.1	<1.0	<0.10
g-chlordane	ug/L	1.0	0.1	<1.0	<0.10
Heptachlor	ug/L	1.0	0.1	<1.0	<0.10
Heptachlor Epoxide	ug/L	1.0	0.1	<1.0	<0.10
Lindane	ug/L	1.0	0.1	<1.0	<0.10
Methoxychlor	ug/L	1.0	0.1	<1.0	<0.10
Mirex	ug/L	1.0	0.1	<1.0	<0.10
o,p-DDE	ug/L	1.0	0.1	<1.0	<0.10
op-DDD	ug/L	1.0	0.1	<1.0	<0.10
op-DDT	ug/L	1.0	0.1	<1.0	<0.10
Oxychlordane	ug/L	1.0	0.1	<1.0	<0.10
pp-DDD	ug/L	1.0	0.1	<1.0	<0.10
pp-DDE	ug/L	1.0	0.1	<1.0	<0.10
pp-DDT	ug/L	1.0	0.1	<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			NEWPCC	
	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	%			112	102
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	%			89	67
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.0050	0.0005	<0.0050	<0.00050
Dinitropyrene	mg/L	0.20	0.20	<0.20	<0.20
Octachlorostyrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
p-Terphenyl d14	%			93	81
<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	97
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	0.53
2-Hexanone	ug/L	20	20	<20	<20
4-Bromofluorobenzene	%			108	118
Acetone	ug/L	20	20	55	<20
Benzene	ug/L	0.50	0.50	<0.50	<0.50
Bromodichloromethane	ug/L	0.50	0.50	<0.50	<0.50
Bromoform	ug/L	0.50	0.50	<0.50	<0.50
Bromomethane	ug/L	1.0	1.0	<1.0	<1.0
Carbon Disulfide	ug/L	0.50	0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	0.50	0.50	<0.50	<0.50
Chlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
Chloroethane	ug/L	1.0	1.0	<1.0	<1.0
Chloroform	ug/L	0.50	0.50	3.96	4.08
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	3.39	<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	0.60	1.17
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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**North End Water Pollution Control Centre Quarterly Monitoring Report**

2'nd Quarter Sampling Parameter	May 13, 2010			NEWPCC	
	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	<0.50	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	0.82	0.62
Toluene	ug/L	0.50	0.50	4.19	<0.50
Toluene-d8	%			102	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	4.0	4.1
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			NEWPCC	
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	0.0483	0.0028
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	1.0	1.0	37.5	<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	0.00774	0.00206
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.00135	0.000063
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0590	0.0100
Copper (Cu)-Total	mg/L	0.00020	0.0002	0.702	0.00583
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.115	0.000693
Mercury (Hg)-Total	ng/L	1.0	1.0	202	3.7
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.0725	0.0106
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0445	0.0086
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0015	<0.0010
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.878	0.0375
<b>Dioxins and Furans</b>					
2378 TeCDD	pg/L	0.90	0.90	<0.90	<0.90
12378 PeCDD	pg/L	0.50	0.50	<0.50	<0.50
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	7.66	<0.40
OCDD	pg/L	1.0	0.60	49.7	9.26
Total TCDD	pg/L	0.90	0.90	<0.90	<0.90
Total PeCDD	pg/L	0.50	0.50	<0.50	<0.50
Total HxCDD	pg/L	0.50	0.30	<0.50	<0.30
Total HpCDD	pg/L	0.60	0.40	14.7	3.28
Total PCDDs	pg/L	1.0	0.90	64.4	12.5
2378 TeCDF	pg/L	0.70	0.60	<0.70	<0.60
12378 PeCDF	pg/L	0.30	0.30	<0.30	<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	0.20	<0.20	<0.20
123789 HxCDF	pg/L	0.30	0.30	<0.30	<0.30
234678 HxCDF	pg/L	0.20	0.20	<0.20	<0.20
1234678 HpCDF	pg/L	0.50	0.60	3.87	<0.60
1234789 HpCDF	pg/L	0.70	0.70	<0.70	<0.70
OCDF	pg/L	1.0	0.90	6.2	<0.90
Total TCDF	pg/L	0.70	0.60	<0.70	<0.60
Total PeCDF	pg/L	0.30	0.30	<0.30	<0.30
Total HxCDF	pg/L	0.30	0.30	<0.30	<0.30
Total HpCDF	pg/L	0.70	0.70	4.88	<0.70
Total PCDFs	pg/L	1.0	0.90	11.1	<0.90
Total TEQ (ND=0) (WHO Calc)	pg/L			0.13	0
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			1.03	0.88

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3'rd Quarter Sampling Parameter	August 10, 2010			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
				Grab	Grab
Total TEQ (ND=DL) (WHO Calc)	pg/L			1.9	1.76
13C12 2378 TeCDD	%			82	78
13C12 12378 PeCDD	%			93	88
13C12 123478 HxCDD	%			70	72
13C12 123678 HxCDD	%			70	76
13C12 1234678 HpCDD	%			66	75
13C12 OCDD	%			55	63
13C12 2378 TeCDF	%			77	73
13C12 12378 PeCDF	%			86	83
13C12 23478 PeCDF	%			93	88
13C12 123478 HxCDF	%			56	60
13C12 123678 HxCDF	%			70	77
13C12 234678 HxCDF	%			63	67
13C12 123789 HxCDF	%			60	61
13C12 1234678 HpCDF	%			57	64
13C12 1234789 HpCDF	%			58	67
37C14 2378 TeCDD	%			78	72
<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	%			51	117
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	%			49	97
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	86.3	<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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3'rd Quarter Sampling Parameter	August 10, 2010			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
				Grab	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	59	<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	86	<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	8.6	<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	<4.0	<0.40
Isophorone	ug/L	4.0	0.40	<4.0	<0.40
Naphthalene	ug/L	2.0	0.20	<2.0	<0.20
Nitrobenzene	ug/L	4.0	0.40	<4.0	<0.40
Nitrobenzene d5	%			49	93
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	13.6	<0.50
Phenol d5	%			24	60
p-Terphenyl d14	%			18	78
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	5.10	3.10
Nonylphenol Monoethoxylates	ug/L	0.50	0.50	8.66	1.20

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3'rd Quarter Sampling Parameter	August 10, 2010			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
				Grab	Grab
Nonylphenol Diethoxylates	ug/L	1.2	1.2	3.1	<1.2
Nonylphenol Triethoxylates	ug/L	2.0	2.0	<2.0	2.5
t-Octylphenol	ug/L	0.020	0.020	0.469	0.291
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			12	5.2
<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	%			62	87
<b>Pesticides, Organochlorine</b>					
2-Fluorobiphenyl	%			60	65
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	%			62	79
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	Final Effluent
				Grab	Grab
2,4-D	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dichlorophenylacetic Acid	%			70	94
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	71
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	%			77	78
<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	%			107	112
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	0.65	0.75
2-Hexanone	ug/L	20	20	<20	<20
4-Bromofluorobenzene	%			94	100
Acetone	ug/L	20	20	60	<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	4.67	3.63
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	6.43	<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	0.60	<0.50
Ethyl Benzene	ug/L	0.50	0.50	<0.50	<0.50
m+p-Xylenes	ug/L	1.0	1.0	1.4	<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			NEWPCC	
	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	0.61	<0.50
Styrene	ug/L	0.50	0.50	0.5	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	17.2	<0.50
Toluene	ug/L	0.50	0.50	11.9	0.58
Toluene-d8	%			97	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	0.62	<0.50
Trichlorofluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Trihalomethanes (total)	ug/L	2.0	2.0	4.7	3.6
Vinyl chloride	ug/L	0.50	0.50	0.66	<0.50
Xylenes (Total)	ug/L	1.5	1.5	2.0	<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			NEWPCC	
	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	0.0394	0.0016
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	1.0	1.0	22.3	<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	0.00249	0.00201
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000098	0.000035
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0023	0.0016
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.0399	0.00678
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00160	0.00045
Mercury (Hg)-Total	ng/L	1.0	1.0	15.2	2.0
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.0199	0.0099
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0037	0.0042
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.002	0.0013
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.0486	0.0272
<b>Dioxins and Furans</b>					
2378 TeCDD	pg/L	0.50	0.40	<0.50	<0.40
12378 PeCDD	pg/L	0.50	0.60	<0.50	<0.60
123478 HxCDD	pg/L	0.30	0.30	<0.30	<0.30
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	0.70	0.60	9.26	3.33
OCDD	pg/L	1.0	0.60	71.1	13.9
Total TCDD	pg/L	0.50	0.40	6.92	6.03
Total PeCDD	pg/L	0.50	0.60	<0.50	<0.60
Total HxCDD	pg/L	0.50	0.50	<0.50	<0.50
Total HpCDD	pg/L	0.70	0.60	5.90	<0.60
Total PCDDs	pg/L	1.0	0.60	83.9	19.9
2378 TeCDF	pg/L	0.40	0.40	<0.40	<0.40
12378 PeCDF	pg/L	0.30	0.40	<0.30	<0.40
23478 PeCDF	pg/L	0.30	0.30	<0.30	<0.30
123478 HxCDF	pg/L	0.20	0.40	1.61	<0.40
123678 HxCDF	pg/L	0.20	0.60	0.74	<0.60
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	0.50	1.0	3.09	<1.0
1234789 HpCDF	pg/L	0.80	1.0	<0.80	<1.0
OCDF	pg/L	1.0	1.0	8.7	<1.0
Total TCDF	pg/L	0.40	0.40	<0.40	<0.40
Total PeCDF	pg/L	0.30	0.40	<0.30	<0.40
Total HxCDF	pg/L	0.30	0.60	1.08	<0.60
Total HpCDF	pg/L	0.80	1.0	3.57	<1.0
Total PCDFs	pg/L	1.0	1.0	13.3	<1.0
Total TEQ (ND=0) (WHO Calc)	pg/L			0.38	0.04
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			1.04	0.75

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4'th Quarter Sampling	November 15, 2010			NEWPCC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Total TEQ (ND=DL) (WHO Calc)	pg/L				1.7	1.49
13C12 2378 TeCDD	%				75	77
13C12 12378 PeCDD	%				65	55
13C12 123478 HxCDD	%				74	84
13C12 123678 HxCDD	%				60	65
13C12 1234678 HpCDD	%				63	67
13C12 OCDD	%				53	56
13C12 2378 TeCDF	%				84	88
13C12 12378 PeCDF	%				60	44
13C12 23478 PeCDF	%				69	66
13C12 123478 HxCDF	%				66	38
13C12 123678 HxCDF	%				72	32
13C12 234678 HxCDF	%				71	84
13C12 123789 HxCDF	%				73	84
13C12 1234678 HpCDF	%				66	75
13C12 1234789 HpCDF	%				67	79
37C14 2378 TeCDD	%				95	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	%				120	111
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	%				84	84
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		<5.0	<0.50
3,3'-Dichlorobenzidine	ug/L	4.0	0.40		77.7	<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	November 15, 2010			NEWPCC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
					Grab	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	78	<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	0.40	<2.0	<0.40	
Hexachlorocyclopentadiene	ug/L	4.0	0.40	<4.0	<0.40	
Hexachloroethane	ug/L	4.0	0.40	<4.0	<0.40	
Indeno(1,2,3-cd)pyrene	ug/L	2.0	0.20	<2.0	<0.20	
Indole	ug/L	4.0	0.40	6.8	<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	%			112	96	
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	19.4	<0.50	
Phenol d5	%			78	63	
p-Terphenyl d14	%			57	76	
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	1.96	1.45	
Nonylphenol Monoethoxylates	ug/L	0.50	0.50	6.84	<0.50	

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4'th Quarter Sampling	November 15, 2010			NEWPCC	
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab
Nonylphenol Diethoxylates	ug/L	1.2	1.2	4.3	3.1
Nonylphenol Triethoxylates	ug/L	2.0	2.0	24.4	<2.0
t-Octylphenol	ug/L	0.020	0.020	0.129	0.155
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	0.52	<0.50
TOTAL TEQ (CCME)	ug/L			20	3.1
<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	%			88	113
<b>Pesticides, Organochlorine</b>					
2-Fluorobiphenyl	%			51	75
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	%			106	87
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	0.50	0.50	<0.50	<0.50
2,4,5-TP	ug/L	0.50	0.50	<0.50	<0.50

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4'th Quarter Sampling Parameter	November 15, 2010			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
2,4-D	ug/L	0.50	0.50	<0.50	<0.50
2,4-Dichlorophenylacetic Acid	%			68	78
Bromoxynil	ug/L	0.50	0.50	<0.50	<0.50
Dicamba	ug/L	0.50	0.50	<0.50	<0.50
Dinoseb	ug/L	0.50	0.50	<0.50	<0.50
MCPA	ug/L	0.50	0.50	<0.50	<0.50
Mecoprop	ug/L	0.50	0.50	<0.50	<0.50
Picloram	ug/L	0.50	0.50	<0.50	<0.50
<b>Target Compounds by GC/MS</b>					
2-Fluorobiphenyl	%			81	80
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	%			88	97
<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	%			98	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	0.56	<0.50
2-Hexanone	ug/L	20	20	<20	<20
4-Bromofluorobenzene	%			102	105
Acetone	ug/L	20	20	39	<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	2.06	1.52
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	2.64	<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			NEWPCC	
	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	<0.50	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	0.52	<0.50
Toluene	ug/L	0.50	0.50	2.97	<0.50
Toluene-d8	%			99	102
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	<2.0
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.*