

**City Of Winnipeg  
Water Waste Department**

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

1'st Quarter Sampling Parameter	February 27, 2008			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	mg/L	0.001	0.001	<0.001	<0.001
Mercury (Hg)-Total	ng/L	0.5	0.5	96	6.2
Toxaphene	mg/L	0.0001	0.0001	<0.0001	<0.0001
Phenols (4AAP)	mg/L	0.001	0.001	0.079	0.009
Tributyltin	ug/L	0.05	0.05	<0.050	<0.050
TetraEthyl Lead	ug/L	0.05	0.05	<0.050	<0.050
Total Oil and Grease	mg/L	1	1	58	<1
Trout Bioassay	Pass/Fail			NA	Fail
Total Metals*					
Arsenic, Total	mg/L	0.001	0.001	0.002	0.002
Cadmium, Total	mg/L	0.001	0.001	<0.001	<0.001
Chromium, Total	mg/L	0.001	0.001	0.016	0.009
Copper, Total	mg/L	0.001	0.001	0.11	0.029
Molybdenum, Total	mg/L	NA	NA	NA	NA
Nickel, Total	mg/L	0.001	0.001	0.008	0.008
Lead, Total	mg/L	0.001	0.001	0.009	0.001
Selenium, Total	mg/L	NA	NA	NA	NA
Zinc, Total	mg/L	0.003	0.003	0.137	0.101
Dioxins and Furans					
2378 TeCDD	pg/L	2	1	<2.0	<1.0
12378 PeCDD	pg/L	0.7	0.9	<0.70	<0.90
123478 HxCDD	pg/L	0.5	0.4	0.77	<0.40
123678 HxCDD	pg/L	0.5	0.5	1.3	<0.50
123789 HxCDD	pg/L	0.5	0.5	<0.50	<0.50
1234678 HpCDD	pg/L	1	0.8	20	<0.80
OCDD	pg/L	3	1	160	11
Total TCDD	pg/L	2	1	<2.0	<1.0
Total PeCDD	pg/L	0.7	0.9	<0.70	<0.90
Total HxCDD	pg/L	0.5	0.5	4.4	<0.50
Total HpCDD	pg/L	1	0.8	37	<0.80
Total PCDDs	pg/L	3	1	200	11
2378 TeCDF	pg/L	1	0.8	<1.0	<0.80
12378 PeCDF	pg/L	0.6	0.6	<0.60	<0.60
23478 PeCDF	pg/L	0.5	0.5	<0.50	<0.50
123478 HxCDF	pg/L	0.2	0.2	0.64	<0.20
123678 HxCDF	pg/L	0.2	0.2	0.65	<0.20
123789 HxCDF	pg/L	0.3	0.3	0.40	<0.30
234678 HxCDF	pg/L	0.2	0.2	0.48	<0.20
1234678 HpCDF	pg/L	0.4	0.7	4.8	<0.70
1234789 HpCDF	pg/L	0.6	1	<0.60	<1.0
OCDF	pg/L	1	1	17	<1.0
Total TCDF	pg/L	1	0.8	<1.0	<0.80
Total PeCDF	pg/L	0.6	0.6	<0.60	<0.60
Total HxCDF	pg/L	0.3	0	5.7	<0.30
Total HpCDF	pg/L	0.6	1	4.4	<1.0
Total PCDFs	pg/L	1	1	27	<1.0
Total TEQ (ND=0) (WHO Calc)	pg/L			0.7	0
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			2.27	1.26
Total TEQ (ND=DL) (WHO Calc)	pg/L			3.84	2.5

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13C12 2378 TeCDD	%			25	28
13C12 12378 PeCDD	%			43	40
13C12 123478 HxCDD	%			58	49
13C12 123678 HxCDD	%			52	43
13C12 1234678 HpCDD	%			76	50
13C12 OCDD	%			66	37
13C12 2378 TeCDF	%			25	39
13C12 12378 PeCDF	%			47	42
13C12 23478 PeCDF	%			40	44
13C12 123478 HxCDF	%			64	49
13C12 123678 HxCDF	%			66	49
13C12 234678 HxCDF	%			72	53
13C12 123789 HxCDF	%			74	55
13C12 1234678 HpCDF	%			84	51
13C12 1234789 HpCDF	%			76	52
37C14 2378 TeCDD	%			26	36
EPA 8270 Extractables					
1,2,3-Trichlorobenzene	ug/L	4	0.4	<4	<0.4
1,2,4-Trichlorobenzene	ug/L	4	0.4	<4	<0.4
1,2-Dichlorobenzene	ug/L	4	0.4	<4	<0.4
4-Chloroaniline	ug/L	4	0.4	<4	<0.4
1,3-Dichlorobenzene	ug/L	3	0.4	<3	<0.4
1,4-Dichlorobenzene	ug/L	4	0.4	<4	<0.4
1-Chloronaphthalene	ug/L	4	0.4	<4	<0.4
1-Methylnaphthalene	ug/L	4	0.4	<4	<0.4
2,3,4,5-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5
2,3,4,6-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5
2,3,4-Trichlorophenol	ug/L	5	0.5	<5	<0.5
2,3,5,6-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5
2,3,5-Trichlorophenol	ug/L	5	0.5	<5	<0.5
2,4,5-Trichlorophenol	ug/L	5	0.5	<5	<0.5
2,4,6-Trichlorophenol	ug/L	5	0.5	<5	<0.5
2,4-Dichlorophenol	ug/L	3	0.3	<3	<0.3
2,4-Dimethylphenol	ug/L	5	0.5	<5	1.2
2,4-Dinitrophenol	ug/L	10	1	<10	<1
2,4-Dinitrotoluene	ug/L	4	0.4	<4	<0.4
2,6-Dichlorophenol	ug/L	5	0.5	<5	<0.5
2,6-Dinitrotoluene	ug/L	4	0.4	<4	<0.4
2-Chloronaphthalene	ug/L	4	0.4	<4	<0.4
2-Chlorophenol	ug/L	3	0.3	<3	<0.3
2-Methylnaphthalene	ug/L	4	0.4	<4	<0.4
2-Methylphenol	ug/L	5	0.5	<5	<0.5
2-Nitrophenol	ug/L	5	0.5	<5	<0.5
3,3'-Dichlorobenzidine	ug/L	4	0.4	<4	<0.4
3&4-Methylphenol	ug/L	5	0.5	96	<0.5
4,6-Dinitro-2-methylphenol	ug/L	20	2	<20	<2
4-Bromophenyl phenyl ether	ug/L	4	0.4	<4	<0.4
4-Chloro-3-methylphenol	ug/L	5	0.5	<5	<0.5
4-Chlorophenyl phenyl ether	ug/L	4	0.4	<4	<0.4
4-Nitrophenol	ug/L	5	0.5	<5	<0.5
5-Nitroacenaphthene	ug/L	4	0.4	<4	<0.4

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Acenaphthene	ug/L	2	0.2	<2	<0.2
Acenaphthylene	ug/L	2	0.2	<2	<0.2
Anthracene	ug/L	2	0.2	<2	<0.2
Benzo(a)anthracene	ug/L	2	0.2	<2	<0.2
Benzo(a)pyrene	ug/L	0.5	0.05	<0.5	<0.05
Benzo(b)fluoranthene	ug/L	2	0.2	<2	<0.2
Benzo(ghi)perylene	ug/L	2	0.2	<2	<0.2
Benzo(k)fluoranthene	ug/L	2	0.2	<2	<0.2
Biphenyl	ug/L	4	0.4	<4	<0.4
Bis(2-chloroethoxy)methane	ug/L	4	0.4	<4	<0.4
Bis(2-chloroethyl)ether	ug/L	4	0.4	<4	<0.4
Bis(2-chloroisopropyl)ether	ug/L	4	0.4	<4	<0.4
Bis(2-ethylhexyl)phthalate	ug/L	20	2	<20	<2
Butylbenzyl phthalate	ug/L	4	0.4	<4	<0.4
Camphene	ug/L	4	0.4	<4	<0.4
Chrysene	ug/L	2	0.2	<2	<0.2
Dibenzo(a,h)anthracene	ug/L	2	0.2	<2	<0.2
Dibenzofuran	ug/L	2	0.2	<2	<0.2
Diethylphthalate	ug/L	2	0.2	4	<0.2
Dimethylphthalate	ug/L	2	0.2	<2	<0.2
Di-n-butylphthalate	ug/L	20	2	<20	<2
Di-n-octylphthalate	ug/L	4	0.4	<4	<0.4
Diphenyl ether	ug/L	4	0.4	<4	<0.4
Diphenylamine	ug/L	4	0.4	<4	<0.4
Fluoranthene	ug/L	2	0.2	<2	<0.2
Fluorene	ug/L	2	0.2	<2	<0.2
Hexachlorobenzene	ug/L	0.4	0.04	<0.4	<0.04
Hexachlorobutadiene	ug/L	2	0.2	<2	<0.2
Hexachlorocyclopentadiene	ug/L	4	0.4	<4	<0.4
Hexachloroethane	ug/L	4	0.4	<4	<0.4
Indeno(1,2,3-cd)pyrene	ug/L	2	0.2	<2	<0.2
Indole	ug/L	4	0.4	40	<0.4
Isophorone	ug/L	4	0.4	<4	<0.4
Naphthalene	ug/L	2	0.2	<2	<0.2
Nitrobenzene	ug/L	4	0.4	<4	<0.4
N-Nitroso-di-n-propylamine	ug/L	4	0.4	<4	<0.4
Pentachlorophenol	ug/L	5	0.5	<5	<0.5
Perylene	ug/L	2	0.2	<2	<0.2
Phenanthrene	ug/L	2	0.2	<2	<0.2
Phenol	ug/L	5	0.5	11	<0.5
Pyrene	ug/L	2	0.2	<2	<0.2
Nitrobenzene d5	%			105	81
2-Fluorobiphenyl	%			92	128
p-Terphenyl d14	%			66	84
Phenol d5	%			0	100
2,4,6-Tribromophenol	%			115	21
Cresols (total)	ug/L	10	1	100	<1

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Low Level Nonylphenols and Ethoxylates</b>					
Nonylphenols	ug/L	0.1	0.1	7.1	1.6
Nonylphenol Monoethoxylates	ug/L	0.5	0.5	12.7	<0.5
Nonylphenol Diethoxylates	ug/L	1.2	1.2	<1.2	<1.2
Nonylphenol Triethoxylates	ug/L	2	2	<2	<2
t-Octylphenol	ug/L	0.02	0.02	0.60	0.21
t-Octylphenol Monoethoxylate	ug/L	0.1	0.1	0.2	0.1
t-Octylphenol Diethoxylate	ug/L	0.2	0.2	<0.2	<0.2
t-Octylphenol Triethoxylate	ug/L	0.5	0.5	<0.5	<0.5
TOTAL TEQ (CCME)	ug/L			14.1	1.83
PCB					
Aroclor 1016	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1221	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1232	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1242	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1248	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1254	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1260	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1262	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1268	mg/L	0.00005	0.00005	<0.00005	<0.00005
Total PCBs	mg/L	0.00005	0.00005	<0.00005	<0.00005
Decachlorobiphenyl	%			73	100
Pesticides, Organochlorine					
op-DDT	ug/L	1	0.1	<1	<0.1
pp-DDD	ug/L	1	0.1	<1	<0.1
pp-DDE	ug/L	1	0.1	<1	<0.1
pp-DDT	ug/L	1	0.1	<1	<0.1
Heptachlor	ug/L	1	0.1	<1	<0.1
Heptachlor Epoxide	ug/L	1	0.1	<1	<0.1
a-chlordane	ug/L	1	0.1	<1	<0.1
g-chlordane	ug/L	1	0.1	<1	<0.1
Aldrin	ug/L	1	0.1	<1	<0.1
Dieldrin	ug/L	1	0.1	<1	<0.1
Lindane	ug/L	1	0.1	<1	<0.1
Methoxychlor	ug/L	1	0.1	<1	<0.1
alpha-BHC	ug/L	1	0.1	<1	<0.1
beta-BHC	ug/L	1	0.1	<1	<0.1
delta-BHC	ug/L	1	0.1	<1	<0.1
Oxychlordane	ug/L	1	0.1	<1	<0.1
Endrin	ug/L	1	0.1	<1	<0.1
beta-Endosulfan	ug/L	1	0.1	<1	<0.1
alpha-Endosulfan	ug/L	2	0.1	<2	<0.1
o,p-DDE	ug/L	1	0.1	<1	<0.1
Endrin Aldehyde	ug/L	1	0.1	<1	<0.1
Endosulfan Sulfate	ug/L	1	0.1	<1	<0.1
Mirex	ug/L	1	0.1	<1	<0.1
op-DDD	ug/L	1	0.1	<1	<0.1
2-Fluorobiphenyl	%			76	84
d14-Terphenyl	%			63	63

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1'st Quarter Sampling Parameter	February 27, 2008			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Phenoxyacid Herbicides by GC/MS					
2,4,5-TP	ug/L	5	0.5	<5	<0.5
MCPA	ug/L	5	0.5	<5	<0.5
Mecoprop	ug/L	5	0.5	<5	<0.5
2,4,5-T	ug/L	5	0.5	<5	<0.5
2,4-D	ug/L	5	0.5	<5	1.4
Bromoxynil	ug/L	5	0.5	<5	<0.5
Dicamba	ug/L	5	0.5	<5	<0.5
Dinoseb	ug/L	5	0.5	<5	<0.5
Picloram	ug/L	5	0.5	<5	<0.5
2,4-Dichlorophenylacetic Acid	%			131	89
Target Compounds by GC/MS					
Octachlorostyrene	mg/L	0.0005	0.0005	<0.0005	<0.0005
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.0005	0.0005	<0.0005	<0.0005
Dinitropyrene	mg/L	0.02	0.02	<0.02	<0.02
2-Fluorobiphenyl	%			62	91
p-Terphenyl d14	%			23	58
Volatile Organics					
1,1,1,2-Tetrachloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,2-Dibromoethane	ug/L	0.5	0.5	<0.5	<0.5
1,1-Dichloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,1-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5
1,2-Dichloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,2-Dichloropropane	ug/L	0.5	0.5	<0.5	<0.5
1,3-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5
1,4-Dichlorobenzene	ug/L	0.5	0.5	1.3	0.8
2-Hexanone	ug/L	20	20	<20	<20
Acetone	ug/L	100	20	200	<20
Benzene	ug/L	0.5	0.5	<0.5	<0.5
Bromodichloromethane	ug/L	0.5	0.5	<0.5	<0.5
Bromoform	ug/L	0.5	0.5	<0.5	<0.5
Bromomethane	ug/L	1	1	<1	<1
Carbon Disulfide	ug/L	0.5	0.5	0.6	<0.5
Carbon tetrachloride	ug/L	0.5	0.5	<0.5	<0.5
Chlorobenzene	ug/L	0.5	0.5	<0.5	<0.5
Chloroethane	ug/L	1	1	<1	<1
Chloroform	ug/L	0.5	0.5	11.0	10.0
Chloromethane	ug/L	1	1	<1	<1
cis-1,2-Dichloroethylene	ug/L	0.5	0.5	1.9	<0.5
cis-1,3-Dichloropropene	ug/L	0.5	0.5	<0.5	<0.5
Dibromochloromethane	ug/L	0.5	0.5	<0.5	<0.5
Dichlorodifluoromethane	ug/L	1	1	<1	<1
Dichloromethane	ug/L	0.5	0.5	0.6	4.2
Ethyl Benzene	ug/L	0.5	0.5	<0.5	0.5
m+p-Xylenes	ug/L	1	1	1	<1
Methyl Ethyl Ketone	ug/L	20	20	<20	<20

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Methyl Isobutyl Ketone	ug/L	20	20	<20	<20
MTBE	ug/L	0.5	0.5	<0.5	<0.5
o-Xylene	ug/L	0.5	0.5	0.5	<0.5
Styrene	ug/L	0.5	0.5	<0.5	<0.5
Tetrachloroethylene	ug/L	0.5	0.5	<0.5	<0.5
Toluene	ug/L	0.5	0.5	7.8	<0.5
trans-1,2-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5
trans-1,3-Dichloropropene	ug/L	0.5	0.5	<0.5	<0.5
Trichloroethylene	ug/L	0.5	0.5	<0.5	<0.5
Trichlorofluoromethane	ug/L	1	1	<1	<1
Trihalomethanes (total)	ug/L	2	2	11.0	<2
Vinyl chloride	ug/L	0.5	0.5	<0.5	<0.5
Xylenes (Total)	ug/L	1.5	1.5	1.5	<1.5
1,2-Dichloroethane d4	%			116	112
Toluene-d8	%			97	99
4-Bromofluorobenzene	%			99	99

NOTES:

MDL- Method detection limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

<- less than

NA- not analyzed

NR- not reported

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

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

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2'nd Quarter Sampling Parameter	May 7, 2008			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	mg/L	0.001	0.001	<0.001	<0.001
Mercury (Hg)-Total*	ng/L	0.5	0.5	17	6.3
Toxaphene	mg/L	0.0001	0.0001	<0.0001	<0.0001
Phenols (4AAP)	mg/L	0.001	0.001	0.103	0.008
Tributyltin	ug/L	0.050	0.050	<0.050	<0.050
TetraEthyl Lead	ug/L	0.050	0.050	<0.050	<0.050
Total Oil and Grease	mg/L	1	1	35	<1
Trout Bioassay	Pass/Fail			NA	Fail
Total Metals*					
Arsenic, Total	mg/L	0.001	0.001	NS	0.002
Cadmium, Total	mg/L	0.001	0.001	NS	<0.001
Chromium, Total	mg/L	0.001	0.001	NS	0.008
Copper, Total	mg/L	0.001	0.001	NS	0.021
Molybdenum, Total	mg/L	NA	NA	NA	NA
Nickel, Total	mg/L	0.001	0.001	NS	0.013
Lead, Total	mg/L	0.001	0.001	NS	0.001
Selenium, Total	mg/L	NA	NA	NA	NA
Zinc, Total	mg/L	0.003	0.003	NS	0.108
Dioxins and Furans					
2378 TeCDD	pg/L	0.30	0.40	<0.30	<0.40
12378 PeCDD	pg/L	0.30	0.20	<0.30	1.7
123478 HxCDD	pg/L	0.50	0.50	<0.50	3.1
123678 HxCDD	pg/L	0.60	0.60	<0.60	<0.60
123789 HxCDD	pg/L	0.60	0.60	<0.60	2.1
1234678 HpCDD	pg/L	0.70	0.60	8.4	6.3
OCDD	pg/L	1.0	1.0	76	25
Total TCDD	pg/L	0.30	0.40	<0.30	5.9
Total PeCDD	pg/L	0.30	0.20	<0.30	1.7
Total HxCDD	pg/L	0.60	0.60	<0.60	5.5
Total HpCDD	pg/L	0.70	0.60	18	11
Total PCDDs	pg/L	1.0	1.0	93	50
2378 TeCDF	pg/L	0.20	0.20	<0.20	<0.20
12378 PeCDF	pg/L	0.20	0.30	<0.20	<0.30
23478 PeCDF	pg/L	0.10	0.20	<0.10	1.6
123478 HxCDF	pg/L	0.20	0.30	1.2	2.7
123678 HxCDF	pg/L	0.20	0.30	<0.20	1.3
123789 HxCDF	pg/L	0.20	0.40	<0.20	2.7
234678 HxCDF	pg/L	0.20	0.30	<0.20	2.5
1234678 HpCDF	pg/L	0.40	0.40	2.8	3.7
1234789 HpCDF	pg/L	0.40	0.60	<0.40	2.0
OCDF	pg/L	0.60	0.60	7.5	7.7
Total TCDF	pg/L	0.20	0.20	<0.20	<0.20
Total PeCDF	pg/L	0.20	0.30	<0.20	<0.30
Total HxCDF	pg/L	0.20	0.40	1.1	9.2
Total HpCDF	pg/L	0.40	0.60	4.1	5.7
Total PCDFs	pg/L	0.60	0.60	13	23
Total TEQ (ND=0) (WHO Calc)	pg/L			0.24	4.07
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			0.69	4.32
Total TEQ (ND=DL) (WHO Calc)	pg/L			1.15	4.6

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2'nd Quarter Sampling Parameter	May 7, 2008			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
13C12 2378 TeCDD	%			64	61
13C12 12378 PeCDD	%			60	89
13C12 123478 HxCDD	%			62	79
13C12 123678 HxCDD	%			50	66
13C12 1234678 HpCDD	%			47	62
13C12 OCDD	%			37	61
13C12 2378 TeCDF	%			59	66
13C12 12378 PeCDF	%			53	79
13C12 23478 PeCDF	%			57	79
13C12 123478 HxCDF	%			54	65
13C12 123678 HxCDF	%			54	63
13C12 234678 HxCDF	%			53	66
13C12 123789 HxCDF	%			50	61
13C12 1234678 HpCDF	%			45	58
13C12 1234789 HpCDF	%			49	61
37C14 2378 TeCDD	%			65	55
EPA 8270 Extractables					
1,2,3-Trichlorobenzene	ug/L	4	0.4	<4	<0.4
1,2,4-Trichlorobenzene	ug/L	4	0.4	<4	<0.4
1,2-Dichlorobenzene	ug/L	4	0.4	<4	<0.4
4-Chloroaniline	ug/L	4	0.4	<4	<0.4
1,3-Dichlorobenzene	ug/L	4	0.4	<4	<0.4
1,4-Dichlorobenzene	ug/L	4	0.4	<4	<0.4
1-Chloronaphthalene	ug/L	4	0.4	<4	<0.4
1-Methylnaphthalene	ug/L	4	0.4	<4	<0.4
2,3,4,5-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5
2,3,4,6-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5
2,3,4-Trichlorophenol	ug/L	5	0.5	<5	<0.5
2,3,5,6-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5
2,3,5-Trichlorophenol	ug/L	5	0.5	<5	<0.5
2,4,5-Trichlorophenol	ug/L	5	0.5	<5	<0.5
2,4,6-Trichlorophenol	ug/L	5	0.5	<5	<0.5
2,4-Dichlorophenol	ug/L	3	0.3	<3	<0.3
2,4-Dimethylphenol	ug/L	5	0.5	<5	<0.5
2,4-Dinitrophenol	ug/L	10	1	<10	<1
2,4-Dinitrotoluene	ug/L	4	0.4	<4	<0.4
2,6-Dichlorophenol	ug/L	5	0.5	<5	<0.5
2,6-Dinitrotoluene	ug/L	4	0.4	<4	<0.4
2-Chloronaphthalene	ug/L	4	0.4	<4	<0.4
2-Chlorophenol	ug/L	3	0.3	<3	<0.3
2-Methylnaphthalene	ug/L	4	0.4	<4	<0.4
2-Methylphenol	ug/L	5	0.5	<5	<0.5
2-Nitrophenol	ug/L	5	0.5	<5	<0.5
3,3'-Dichlorobenzidine	ug/L	4	0.4	<4	<0.4
3&4-Methylphenol	ug/L	5	0.5	87	<0.5
4,6-Dinitro-2-methylphenol	ug/L	20	2	<20	<2
4-Bromophenyl phenyl ether	ug/L	4	0.4	<4	<0.4
4-Chloro-3-methylphenol	ug/L	5	0.5	<5	<0.5
4-Chlorophenyl phenyl ether	ug/L	4	0.4	<4	<0.4
4-Nitrophenol	ug/L	5	0.5	<5	<0.5
5-Nitroacenaphthene	ug/L	4	0.4	<4	<0.4



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2'nd Quarter Sampling Parameter	May 7, 2008		NEWPCC		
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Acenaphthene	ug/L	2	0.2	<2	<0.2
Acenaphthylene	ug/L	2	0.2	<2	<0.2
Anthracene	ug/L	2	0.2	<2	<0.2
Benzo(a)anthracene	ug/L	2	0.2	<2	<0.2
Benzo(a)pyrene	ug/L	0.5	0.05	<0.5	<0.05
Benzo(b)fluoranthene	ug/L	2	0.2	<2	<0.2
Benzo(ghi)perylene	ug/L	2	0.2	<2	<0.2
Benzo(k)fluoranthene	ug/L	2	0.2	<2	<0.2
Biphenyl	ug/L	4	0.4	<4	<0.4
Bis(2-chloroethoxy)methane	ug/L	4	0.4	<4	<0.4
Bis(2-chloroethyl)ether	ug/L	4	0.4	<4	<0.4
Bis(2-chloroisopropyl)ether	ug/L	4	0.4	<4	<0.4
Bis(2-ethylhexyl)phthalate	ug/L	20	2	<20	<2
Butylbenzyl phthalate	ug/L	4	0.4	<4	<0.4
Camphene	ug/L	4	0.4	<4	<0.4
Chrysene	ug/L	2	0.2	<2	<0.2
Dibenzo(a,h)anthracene	ug/L	2	0.2	<2	<0.2
Dibenzofuran	ug/L	2	0.2	<2	<0.2
Diethylphthalate	ug/L	2	0.2	3	<0.2
Dimethylphthalate	ug/L	2	0.2	<2	<0.2
Di-n-butylphthalate	ug/L	20	2	<20	<2
Di-n-octylphthalate	ug/L	4	0.4	<4	<0.4
Diphenyl ether	ug/L	4	0.4	<4	<0.4
Diphenylamine	ug/L	4	0.4	<4	<0.4
Fluoranthene	ug/L	2	0.2	<2	<0.2
Fluorene	ug/L	2	0.2	<2	<0.2
Hexachlorobenzene	ug/L	0.4	0.04	<0.4	<0.04
Hexachlorobutadiene	ug/L	2	0.2	<2	<0.2
Hexachlorocyclopentadiene	ug/L	4	0.4	<4	<0.4
Hexachloroethane	ug/L	4	0.4	<4	<0.4
Indeno(1,2,3-cd)pyrene	ug/L	2	0.2	<2	<0.2
Indole	ug/L	4	0.4	20	<0.4
Isophorone	ug/L	4	0.4	<4	<0.4
Naphthalene	ug/L	2	0.2	<2	<0.2
Nitrobenzene	ug/L	4	0.4	<4	<0.4
N-Nitroso-di-n-propylamine	ug/L	4	0.4	<4	<0.4
Pentachlorophenol	ug/L	5	0.5	<5	<0.5
Perylene	ug/L	2	0.2	<2	<0.2
Phenanthrene	ug/L	2	0.2	<2	<0.2
Phenol	ug/L	5	0.5	10	<0.5
Pyrene	ug/L	2	0.2	<2	<0.2
Nitrobenzene d5	%			110	99
2-Fluorobiphenyl	%			70	68
p-Terphenyl d14	%			37	74
Phenol d5	%			20	22
2,4,6-Tribromophenol	%			77	96
Cresols (total)	ug/L	10	1	90	<1

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Low Level Nonylphenols and Ethoxylates</b>					
Nonylphenols	ug/L	0.1	0.1	3.7	1.5
Nonylphenol Monoethoxylates	ug/L	0.5	0.5	3.7	0.6
Nonylphenol Diethoxylates	ug/L	1	1	3	<1
Nonylphenol Triethoxylates	ug/L	2	2	<2	<2
t-Octylphenol	ug/L	0.02	0.02	0.03	<0.02
t-Octylphenol Monoethoxylate	ug/L	0.1	0.1	0.3	<0.1
t-Octylphenol Diethoxylate	ug/L	0.2	0.2	<0.2	<0.2
t-Octylphenol Triethoxylate	ug/L	0.5	0.5	<0.5	<0.5
TOTAL TEQ (CCME)	ug/L			7.31	1.75
PCB					
Aroclor 1016	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1221	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1232	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1242	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1248	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1254	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1260	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1262	mg/L	0.00005	0.00005	<0.00005	<0.00005
Aroclor 1268	mg/L	0.00005	0.00005	<0.00005	<0.00005
Total PCBs	mg/L	0.00005	0.00005	<0.00005	<0.00005
Decachlorobiphenyl	%			67	79
Pesticides, Organochlorine					
op-DDT	ug/L	1	0.1	<1	<0.1
pp-DDD	ug/L	1	0.1	<1	<0.1
pp-DDE	ug/L	1	0.1	<1	<0.1
pp-DDT	ug/L	1	0.1	<1	<0.1
Heptachlor	ug/L	1	0.1	<1	<0.1
Heptachlor Epoxide	ug/L	1	0.1	<1	<0.1
a-chlordane	ug/L	1	0.1	<1	<0.1
g-chlordane	ug/L	1	0.1	<1	<0.1
Aldrin	ug/L	1	0.1	<1	<0.1
Dieldrin	ug/L	10	0.1	<10	<0.1
Lindane	ug/L	1	0.1	<1	<0.1
Methoxychlor	ug/L	1	0.1	<1	<0.1
alpha-BHC	ug/L	1	0.1	<1	<0.1
beta-BHC	ug/L	1	0.1	<1	<0.1
delta-BHC	ug/L	1	0.1	<1	<0.1
Oxychlordane	ug/L	1	0.1	<1	<0.1
Endrin	ug/L	1	0.1	<1	<0.1
beta-Endosulfan	ug/L	1	0.1	<1	<0.1
alpha-Endosulfan	ug/L	10	0.1	<10	<0.1
o,p-DDE	ug/L	1	0.1	<1	<0.1
Endrin Aldehyde	ug/L	1	0.1	<1	<0.1
Endosulfan Sulfate	ug/L	1	0.1	<1	<0.1
Mirex	ug/L	1	0.1	<1	<0.1
op-DDD	ug/L	1	0.1	<1	<0.1
2-Fluorobiphenyl	%			71	80
d14-Terphenyl	%			85	92

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2'nd Quarter Sampling Parameter	May 7, 2008			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Phenoxyacid Herbicides by GC/MS					
2,4,5-TP	ug/L	0.5	0.5	<0.5	<0.5
MCPA	ug/L	0.5	0.5	<0.5	<0.5
Mecoprop	ug/L	0.5	0.5	1.4	<0.5
2,4,5-T	ug/L	0.5	0.5	<0.5	<0.5
2,4-D	ug/L	0.5	0.5	4.7	1.4
Bromoxynil	ug/L	0.5	0.5	<0.5	<0.5
Dicamba	ug/L	0.5	0.5	1.2	<0.5
Dinoseb	ug/L	0.5	0.5	<0.5	<0.5
Picloram	ug/L	0.5	0.5	<0.5	<0.5
2,4-Dichlorophenylacetic Acid	%			94	85
Target Compounds by GC/MS					
Octachlorostyrene	mg/L	0.0005	0.0005	<0.0005	<0.0005
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.0005	0.0005	<0.0005	<0.0005
Dinitropyrene	mg/L	0.02	0.02	<0.02	<0.02
2-Fluorobiphenyl	%			94	72
p-Terphenyl d14	%			62	97
Volatile Organics					
1,1,1,2-Tetrachloroethane	ug/L	3	0.5	<3	<0.5
1,1,2,2-Tetrachloroethane	ug/L	3	0.5	<3	<0.5
1,1,1-Trichloroethane	ug/L	3	0.5	<3	<0.5
1,1,2-Trichloroethane	ug/L	3	0.5	<3	<0.5
1,2-Dibromoethane	ug/L	3	0.5	<3	<0.5
1,1-Dichloroethane	ug/L	3	0.5	<3	<0.5
1,1-Dichloroethylene	ug/L	3	0.5	<3	<0.5
1,2-Dichlorobenzene	ug/L	3	0.5	<3	<0.5
1,2-Dichloroethane	ug/L	3	0.5	<3	<0.5
1,2-Dichloropropane	ug/L	3	0.5	<3	<0.5
1,3-Dichlorobenzene	ug/L	3	0.5	<3	<0.5
1,4-Dichlorobenzene	ug/L	3	0.5	<3	1.0
2-Hexanone	ug/L	100	20	<100	<20
Acetone	ug/L	100	20	200	<20
Benzene	ug/L	3	0.5	<3	<0.5
Bromodichloromethane	ug/L	3	0.5	<3	<0.5
Bromoform	ug/L	3	0.5	<3	<0.5
Bromomethane	ug/L	5	1	<5	<1
Carbon Disulfide	ug/L	3	0.5	<3	<0.5
Carbon tetrachloride	ug/L	3	0.5	<3	<0.5
Chlorobenzene	ug/L	3	0.5	<3	<0.5
Chloroethane	ug/L	5	1	<5	<1
Chloroform	ug/L	3	0.5	15	10.5
Chloromethane	ug/L	5	1	<5	<1
cis-1,2-Dichloroethylene	ug/L	3	0.5	<3	<0.5
cis-1,3-Dichloropropene	ug/L	3	0.5	<3	<0.5
Dibromochloromethane	ug/L	3	0.5	<3	<0.5
Dichlorodifluoromethane	ug/L	5	1	<5	<1
Dichloromethane	ug/L	3	0.5	<3	1.5
Ethyl Benzene	ug/L	3	0.5	<3	<0.5
m+p-Xylenes	ug/L	5	1	<5	<1
Methyl Ethyl Ketone	ug/L	100	20	<100	<20

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2'nd Quarter Sampling Parameter	May 7, 2008			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Methyl Isobutyl Ketone	ug/L	100	20	<100	<20
MTBE	ug/L	3	0.5	<3	<0.5
o-Xylene	ug/L	3	0.5	<3	<0.5
Styrene	ug/L	3	0.5	<3	<0.5
Tetrachloroethylene	ug/L	3	0.5	<3	0.8
Toluene	ug/L	3	0.5	5	<0.5
trans-1,2-Dichloroethylene	ug/L	3	0.5	<3	<0.5
trans-1,3-Dichloropropene	ug/L	3	0.5	<3	<0.5
Trichloroethylene	ug/L	3	0.5	<3	<0.5
Trichlorofluoromethane	ug/L	5	1	<5	<1
Trihalomethanes (total)	ug/L	10	2	20.0	11
Vinyl chloride	ug/L	3	0.5	<3	<0.5
Xylenes (Total)	ug/L	8	2	<8	<2
1,2-Dichloroethane d4	%			108	102
Toluene-d8	%			90	89
4-Bromofluorobenzene	%			88	106

**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

\*- Sample bottle was not capped properly and some sample was lost. Analysis was done on samle remaining in bottle.

*\* Total Metals were analyzed in-house on biweekly composite samples, and the reported results are quarterly averages.*

*All other parameters were analyzed by contract laboratory.*

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

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3'rd Quarter Sampling Parameter	August 13, 2008			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	mg/L	0.001	0.001	<0.001	<0.001
Mercury (Hg)-Total	ng/L	0.5	0.5	52	5.8
Toxaphene	mg/L	0.0001	0.0001	<0.0001	<0.0001
Phenols (4AAP)	mg/L	0.001	0.001	0.030	0.008
Tributyltin	ug/L	0.050	0.050	<0.050	<0.050
TetraEthyl Lead	ug/L	0.050	0.050	<0.050	<0.050
Total Oil and Grease	mg/L	1	1	8	<1
Trout Bioassay	Pass/Fail			NA	Pass
Total Metals*					
Arsenic, Total	mg/L	0.001	0.001	NS	0.002
Cadmium, Total	mg/L	0.001	0.001	NS	<0.001
Chromium, Total	mg/L	0.001	0.001	NS	0.007
Copper, Total	mg/L	0.001	0.001	NS	0.077
Molybdenum, Total	mg/L	NA	NA	NA	NA
Nickel, Total	mg/L	0.001	0.001	NS	0.010
Lead, Total	mg/L	0.001	0.001	NS	0.001
Selenium, Total	mg/L	NA	NA	NA	NA
Zinc, Total	mg/L	0.003	0.003	NS	0.059
Dioxins and Furans					
2378 TeCDD	pg/L	1	0.3	<1.0	<0.30
12378 PeCDD	pg/L	0.6	0.2	<0.60	<0.20
123478 HxCDD	pg/L	0.3	0.5	0.68	<0.50
123678 HxCDD	pg/L	0.4	0.6	0.97	<0.60
123789 HxCDD	pg/L	0.4	0.6	1.1	<0.60
1234678 HpCDD	pg/L	0.8	0.9	15	5.8
OCDD	pg/L	1	0.8	130	26
Total TCDD	pg/L	1	0.3	<1.0	8.4
Total PeCDD	pg/L	0.6	0.2	<0.60	<0.20
Total HxCDD	pg/L	0.4	0.6	5.8	<0.60
Total HpCDD	pg/L	0.8	0.9	31	9.6
Total PCDDs	pg/L	1	0.9	160	44
2378 TeCDF	pg/L	0.3	0.2	<0.30	<0.20
12378 PeCDF	pg/L	0.3	0.2	<0.30	<0.20
23478 PeCDF	pg/L	0.2	0.1	<0.20	0.88
123478 HxCDF	pg/L	0.2	0.2	0.79	1.3
123678 HxCDF	pg/L	0.2	0.2	0.59	1.5
123789 HxCDF	pg/L	0.3	0.3	<0.30	<0.30
234678 HxCDF	pg/L	0.2	0.2	0.75	1.5
1234678 HpCDF	pg/L	0.4	0.3	5.1	7.9
1234789 HpCDF	pg/L	0.6	0.4	0.98	<0.40
OCDF	pg/L	0.7	0.8	12	8.2
Total TCDF	pg/L	0.3	0.2	<0.30	<0.20
Total PeCDF	pg/L	0.3	0.2	<0.30	<0.20
Total HxCDF	pg/L	0.3	0.3	5.1	2.6
Total HpCDF	pg/L	0.6	0.4	10	<0.40
Total PCDFs	pg/L	0.7	0.8	28	11
Total TEQ (ND=0) (WHO Calc)	pg/L			0.74	0.84
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			1.60	1.20
Total TEQ (ND=DL) (WHO Calc)	pg/L			2.47	1.57

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3'rd Quarter Sampling Parameter	August 13, 2008			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
13C12 2378 TeCDD	%			33	60
13C12 12378 PeCDD	%			55	82
13C12 123478 HxCDD	%			82	82
13C12 123678 HxCDD	%			61	67
13C12 1234678 HpCDD	%			61	59
13C12 OCDD	%			51	45
13C12 2378 TeCDF	%			57	59
13C12 12378 PeCDF	%			93	70
13C12 23478 PeCDF	%			93	81
13C12 123478 HxCDF	%			80	78
13C12 123678 HxCDF	%			79	72
13C12 234678 HxCDF	%			77	74
13C12 123789 HxCDF	%			70	68
13C12 1234678 HpCDF	%			64	61
13C12 1234789 HpCDF	%			58	58
37C14 2378 TeCDD	%			27	57
EPA 8270 Extractables					
1,2,3-Trichlorobenzene	ug/L	4	0.4	<4	<0.4
1,2,4-Trichlorobenzene	ug/L	4	0.4	<4	<0.4
1,2-Dichlorobenzene	ug/L	4	0.4	<4	<0.4
4-Chloroaniline	ug/L	4	0.4	<4	<0.4
1,3-Dichlorobenzene	ug/L	4	0.4	<4	<0.4
1,4-Dichlorobenzene	ug/L	4	0.4	<4	0.4
1-Chloronaphthalene	ug/L	4	0.4	<4	<0.4
1-Methylnaphthalene	ug/L	4	0.4	<4	<0.4
2,3,4,5-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5
2,3,4,6-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5
2,3,4-Trichlorophenol	ug/L	5	0.5	<5	<0.5
2,3,5,6-Tetrachlorophenol	ug/L	5	0.5	<5	<0.5
2,3,5-Trichlorophenol	ug/L	5	0.5	<5	<0.5
2,4,5-Trichlorophenol	ug/L	5	0.5	<5	<0.5
2,4,6-Trichlorophenol	ug/L	5	0.5	<5	<0.5
2,4-Dichlorophenol	ug/L	3	0.3	<3	<0.3
2,4-Dimethylphenol	ug/L	5	0.5	<5	<0.5
2,4-Dinitrophenol	ug/L	10	1	<10	<1
2,4-Dinitrotoluene	ug/L	4	0.4	<4	<0.4
2,6-Dichlorophenol	ug/L	5	0.5	<5	<0.5
2,6-Dinitrotoluene	ug/L	4	0.4	<4	<0.4
2-Chloronaphthalene	ug/L	4	0.4	<4	<0.4
2-Chlorophenol	ug/L	3	0.3	<3	<0.3
2-Methylnaphthalene	ug/L	4	0.4	<4	<0.4
2-Methylphenol	ug/L	5	0.5	<5	<0.5
2-Nitrophenol	ug/L	5	0.5	<5	<0.5
3,3'-Dichlorobenzidine	ug/L	4	0.4	<4	<0.4
3&4-Methylphenol	ug/L	5	0.5	14	0.5
4,6-Dinitro-2-methylphenol	ug/L	20	2	<20	<2
4-Bromophenyl phenyl ether	ug/L	4	0.4	<4	<0.4
4-Chloro-3-methylphenol	ug/L	5	0.5	<5	<0.5
4-Chlorophenyl phenyl ether	ug/L	4	0.4	<4	<0.4
4-Nitrophenol	ug/L	5	0.5	<5	<0.5
5-Nitroacenaphthene	ug/L	4	0.4	<4	<0.4

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Acenaphthene	ug/L	2	0.2	<2	<0.2
Acenaphthylene	ug/L	2	0.2	<2	<0.2
Anthracene	ug/L	2	0.2	<2	<0.2
Benzo(a)anthracene	ug/L	2	0.2	<2	<0.2
Benzo(a)pyrene	ug/L	0.5	0.05	<0.5	<0.05
Benzo(b)fluoranthene	ug/L	2	0.2	<2	<0.2
Benzo(ghi)perylene	ug/L	2	0.2	<2	<0.2
Benzo(k)fluoranthene	ug/L	2	0.2	<2	<0.2
Biphenyl	ug/L	4	0.4	<4	<0.4
Bis(2-chloroethoxy)methane	ug/L	4	0.4	<4	<0.4
Bis(2-chloroethyl)ether	ug/L	4	0.4	<4	<0.4
Bis(2-chloroisopropyl)ether	ug/L	4	0.4	<4	<0.4
Bis(2-ethylhexyl)phthalate	ug/L	20	2	<20	<2
Butylbenzyl phthalate	ug/L	4	0.4	<4	<0.4
Camphene	ug/L	4	0.4	<4	<0.4
Chrysene	ug/L	2	0.2	<2	<0.2
Dibenzo(a,h)anthracene	ug/L	2	0.2	<2	<0.2
Dibenzofuran	ug/L	2	0.2	<2	<0.2
Diethylphthalate	ug/L	2	0.2	<2	<0.2
Dimethylphthalate	ug/L	2	0.2	<2	<0.2
Di-n-butylphthalate	ug/L	20	2	<20	<2
Di-n-octylphthalate	ug/L	4	0.4	<4	<0.4
Diphenyl ether	ug/L	4	0.4	<4	<0.4
Diphenylamine	ug/L	4	0.4	<4	<0.4
Fluoranthene	ug/L	2	0.2	<2	<0.2
Fluorene	ug/L	2	0.2	<2	<0.2
Hexachlorobenzene	ug/L	0.4	0.04	<0.4	<0.04
Hexachlorobutadiene	ug/L	2	0.2	<2	<0.2
Hexachlorocyclopentadiene	ug/L	4	0.4	<4	<0.4
Hexachloroethane	ug/L	4	0.4	<4	<0.4
Indeno(1,2,3-cd)pyrene	ug/L	2	0.2	<2	<0.2
Indole	ug/L	4	0.4	<4	<0.4
Isophorone	ug/L	4	0.4	<4	<0.4
Naphthalene	ug/L	2	0.2	<2	<0.2
Nitrobenzene	ug/L	4	0.4	<4	<0.4
N-Nitroso-di-n-propylamine	ug/L	4	0.4	<4	<0.4
Pentachlorophenol	ug/L	5	0.5	<5	<0.5
Perylene	ug/L	2	0.2	<2	<0.2
Phenanthrene	ug/L	2	0.2	<2	<0.2
Phenol	ug/L	5	0.5	<5	<0.5
Pyrene	ug/L	2	0.2	<2	<0.2
Nitrobenzene d5	%			100	85
2-Fluorobiphenyl	%			145	63
p-Terphenyl d14	%			85	84
Phenol d5	%			15	20
2,4,6-Tribromophenol	%			113	91
Cresols (total)	ug/L	10	1	10	<1

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Low Level Nonylphenols and Ethoxylates</b>					
Nonylphenols	ug/L	0.1	0.1	13.2	2.1
Nonylphenol Monoethoxylates	ug/L	0.5	0.5	18.7	1.6
Nonylphenol Diethoxylates	ug/L	1.2	1.2	3	4
Nonylphenol Triethoxylates	ug/L	2	2	<2	<2
t-Octylphenol	ug/L	0.02	0.02	0.06	<0.02
t-Octylphenol Monoethoxylate	ug/L	0.1	0.1	0.5	<0.1
t-Octylphenol Diethoxylate	ug/L	0.2	0.2	<0.2	<0.2
t-Octylphenol Triethoxylate	ug/L	0.5	0.5	<0.5	<0.5
TOTAL TEQ (CCME)	ug/L			24	4.7
PCB					
Aroclor 1016	mg/L	0.0001	0.0001	<0.0001	<0.0001
Aroclor 1221	mg/L	0.0001	0.0001	<0.0001	<0.0001
Aroclor 1232	mg/L	0.0001	0.0001	<0.0001	<0.0001
Aroclor 1242	mg/L	0.0001	0.0001	<0.0001	<0.0001
Aroclor 1248	mg/L	0.0001	0.0001	<0.0001	<0.0001
Aroclor 1254	mg/L	0.0001	0.0001	<0.0001	<0.0001
Aroclor 1260	mg/L	0.0001	0.0001	<0.0001	<0.0001
Aroclor 1262	mg/L	0.0001	0.0001	<0.0001	<0.0001
Aroclor 1268	mg/L	0.0001	0.0001	<0.0001	<0.0001
Total PCBs	mg/L	0.0001	0.0001	<0.0001	<0.0001
Pesticides, Organochlorine					
op-DDT	ug/L	10	0.1	<10	<0.1
pp-DDD	ug/L	10	0.1	<10	<0.1
pp-DDE	ug/L	10	0.1	<10	<0.1
pp-DDT	ug/L	10	0.1	<10	<0.1
Heptachlor	ug/L	10	0.1	<10	<0.1
Heptachlor Epoxide	ug/L	10	0.1	<10	<0.1
a-chlordane	ug/L	10	0.1	<10	<0.1
g-chlordane	ug/L	10	0.1	<10	<0.1
Aldrin	ug/L	10	0.1	<10	<0.1
Dieldrin	ug/L	10	0.1	<10	<0.1
Lindane	ug/L	10	0.1	<10	<0.1
Methoxychlor	ug/L	10	0.1	<10	<0.1
alpha-BHC	ug/L	10	0.1	<10	<0.1
beta-BHC	ug/L	10	0.1	<10	<0.1
delta-BHC	ug/L	10	0.1	<10	<0.1
Oxychlordane	ug/L	10	0.1	<10	<0.1
Endrin	ug/L	10	0.1	<10	<0.1
beta-Endosulfan	ug/L	10	0.1	<10	<0.1
alpha-Endosulfan	ug/L	10	0.1	<10	<0.1
o,p-DDE	ug/L	10	0.1	<10	<0.1
Endrin Aldehyde	ug/L	10	0.1	<10	<0.1
Endosulfan Sulfate	ug/L	10	0.1	<10	<0.1
Mirex	ug/L	10	0.1	<10	<0.1
op-DDD	ug/L	10	0.1	<10	<0.1
2-Fluorobiphenyl	%			0	54
d14-Terphenyl	%			0	82



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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Phenoxyacid Herbicides by GC/MS					
2,4,5-TP	ug/L	0.5	0.5	<0.5	<0.5
MCPA	ug/L	0.5	0.5	<0.5	<0.5
Mecoprop	ug/L	0.5	0.5	<0.5	<0.5
2,4,5-T	ug/L	0.5	0.5	<0.5	<0.5
2,4-D	ug/L	0.5	0.5	<0.5	<0.5
Bromoxynil	ug/L	0.5	0.5	<0.5	<0.5
Dicamba	ug/L	0.5	0.5	0.6	0.7
Dinoseb	ug/L	0.5	0.5	<0.5	<0.5
Picloram	ug/L	0.5	0.5	<0.5	<0.5
2,4-Dichlorophenylacetic Acid	%			93	91
Target Compounds by GC/MS					
Octachlorostyrene	mg/L	0.0005	0.0005	<0.0005	<0.0005
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.0005	0.0005	<0.0005	<0.0005
Dinitropyrene	mg/L	0.02	0.02	<0.02	<0.02
2-Fluorobiphenyl	%			95	79
p-Terphenyl d14	%			27	86
Volatile Organics					
1,1,1,2-Tetrachloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,2-Dibromoethane	ug/L	0.5	0.5	<0.5	<0.5
1,1-Dichloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,1-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5
1,2-Dichloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,2-Dichloropropane	ug/L	0.5	0.5	<0.5	<0.5
1,3-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5
1,4-Dichlorobenzene	ug/L	0.5	0.5	0.8	<0.5
2-Hexanone	ug/L	20	20	<20	<20
Acetone	ug/L	20	20	50	<20
Benzene	ug/L	0.5	0.5	<0.5	<0.5
Bromodichloromethane	ug/L	0.5	0.5	<0.5	<0.5
Bromoform	ug/L	0.5	0.5	<0.5	<0.5
Bromomethane	ug/L	1	1	<1	<1
Carbon Disulfide	ug/L	0.5	0.5	<0.5	<0.5
Carbon tetrachloride	ug/L	0.5	0.5	<0.5	<0.5
Chlorobenzene	ug/L	0.5	0.5	<0.5	<0.5
Chloroethane	ug/L	1	1	<1	<1
Chloroform	ug/L	0.5	0.5	6.8	<0.5
Chloromethane	ug/L	1	1	<1	<1
cis-1,2-Dichloroethylene	ug/L	0.5	0.5	3.5	<0.5
cis-1,3-Dichloropropene	ug/L	0.5	0.5	<0.5	<0.5
Dibromochloromethane	ug/L	0.5	0.5	<0.5	<0.5
Dichlorodifluoromethane	ug/L	1	1	<1	<1
Dichloromethane	ug/L	0.5	0.5	<0.5	<0.5
Ethyl Benzene	ug/L	0.5	0.5	<0.5	<0.5
m+p-Xylenes	ug/L	1	1	<1	<1
Methyl Ethyl Ketone	ug/L	20	20	<20	<20

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	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
				Grab	Grab
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20
MTBE	ug/L	0.5	0.5	<0.5	<0.5
o-Xylene	ug/L	0.5	0.5	<0.5	<0.5
Styrene	ug/L	0.5	0.5	<0.5	<0.5
Tetrachloroethylene	ug/L	0.5	0.5	<0.5	<0.5
Toluene	ug/L	0.5	0.5	2.9	<0.5
trans-1,2-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5
trans-1,3-Dichloropropene	ug/L	0.5	0.5	<0.5	<0.5
Trichloroethylene	ug/L	0.5	0.5	0.8	<0.5
Trichlorofluoromethane	ug/L	1	1	<1	<1
Trihalomethanes (total)	ug/L	2	2	7.0	<2
Vinyl chloride	ug/L	0.5	0.5	<0.5	<0.5
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5
1,2-Dichloroethane d4	%			106	101
Toluene-d8	%			103	107
4-Bromofluorobenzene	%			100	100

NOTES:

MDL- Method detection limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

<- less than

NA- not analyzed

NR- not reported

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

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

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4'th Quarter Sampling Parameter	November 6, 2008			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	mg/L	0.001	0.001	<0.001	<0.001
Mercury (Hg)-Total	ng/L	0.5	0.5	260	6
Toxaphene	mg/L	0.0001	0.0001	<0.0001	<0.0001
Phenols (4AAP)	mg/L	0.001	0.001	0.039	<0.001
Tributyltin	ug/L	0.050	0.050	<0.050	<0.050
TetraEthyl Lead	ug/L	0.050	0.050	<0.050	<0.050
Total Oil and Grease	mg/L	1	1	26	<1
Trout Bioassay	Pass/Fail			NA	Fail
Total Metals*					
Arsenic, Total	mg/L	0.001	0.001	NS	0.002
Cadmium, Total	mg/L	0.001	0.001	NS	<0.001
Chromium, Total	mg/L	0.001	0.001	NS	0.014
Copper, Total	mg/L	0.001	0.001	NS	0.022
Molybdenum, Total	mg/L	NA	NA	NA	NA
Nickel, Total	mg/L	0.001	0.001	NS	0.012
Lead, Total	mg/L	0.001	0.001	NS	<0.001
Selenium, Total	mg/L	NA	NA	NA	NA
Zinc, Total	mg/L	0.003	0.003	NS	0.169
Dioxins and Furans					
2378 TeCDD	pg/L	0.5	0.5	<0.50	<0.50
12378 PeCDD	pg/L	0.3	0.3	2.2	1.1
123478 HxCDD	pg/L	0.6	0.3	1.50	0.51
123678 HxCDD	pg/L	0.8	0.4	3.8	1
123789 HxCDD	pg/L	0.7	0.3	2.8	0.89
1234678 HpCDD	pg/L	1	0.4	61	2.1
OCDD	pg/L	3	0.4	600	9.9
Total TCDD	pg/L	0.5	0.5	1.9	3
Total PeCDD	pg/L	0.3	0.3	7.8	1.1
Total HxCDD	pg/L	0.8	0.4	17	2.4
Total HpCDD	pg/L	1	0.4	110	3.8
Total PCDDs	pg/L	3	0.5	740	20
2378 TeCDF	pg/L	0.3	0.3	<0.30	<0.30
12378 PeCDF	pg/L	0.2	0.2	2.4	<0.20
23478 PeCDF	pg/L	0.2	0.2	3.4	0.98
123478 HxCDF	pg/L	0.4	0.1	2.1	0.83
123678 HxCDF	pg/L	0.4	0.1	2.3	0.87
123789 HxCDF	pg/L	0.5	0.2	1.90	0.74
234678 HxCDF	pg/L	0.4	0.1	2.7	0.85
1234678 HpCDF	pg/L	0.5	0.3	26	1.2
1234789 HpCDF	pg/L	0.7	0.4	2.4	<0.40
OCDF	pg/L	2	0.5	120	3.7
Total TCDF	pg/L	0.3	0.3	<0.30	<0.30
Total PeCDF	pg/L	0.2	0.2	5.8	1
Total HxCDF	pg/L	0.5	0.2	22	3.5
Total HpCDF	pg/L	0.7	0.4	100	1.4
Total PCDFs	pg/L	2	0.5	250	9.6
Total TEQ (ND=0) (WHO Calc)	pg/L			6.13	1.98
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			6.39	2.25
Total TEQ (ND=DL) (WHO Calc)	pg/L			6.66	2.52

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4'th Quarter Sampling Parameter	November 6, 2008			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
13C12 2378 TeCDD	%			89	67
13C12 12378 PeCDD	%			94	76
13C12 123478 HxCDD	%			91	75
13C12 123678 HxCDD	%			71	57
13C12 1234678 HpCDD	%			83	69
13C12 OCDD	%			71	58
13C12 2378 TeCDF	%			88	68
13C12 12378 PeCDF	%			94	74
13C12 23478 PeCDF	%			95	76
13C12 123478 HxCDF	%			73	58
13C12 123678 HxCDF	%			64	59
13C12 234678 HxCDF	%			78	65
13C12 123789 HxCDF	%			78	65
13C12 1234678 HpCDF	%			75	61
13C12 1234789 HpCDF	%			77	64
37C14 2378 TeCDD	%			76	62
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
4-Chloroaniline	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
3,3'-Dichlorobenzidine	ug/L	4	4	<4	<4
3&4-Methylphenol	ug/L	5	5	27	<5
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-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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4'th Quarter Sampling Parameter	November 6, 2008			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
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	4	<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	6	<5
Pyrene	ug/L	2	2	<2	<2
Nitrobenzene d5	%			79	48
2-Fluorobiphenyl	%			178	37
p-Terphenyl d14	%			53	53
Phenol d5	%			30	23
2,4,6-Tribromophenol	%			80	47
Cresols (total)	ug/L	10	10	30	<10

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4'th Quarter Sampling	November 6, 2008			NEWPCC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Low Level Nonylphenols and Ethoxylates</b>						
Nonylphenols	ug/L	0.1	0.1	1.3	0.7	
Nonylphenol Monoethoxylates	ug/L	0.5	0.5	6.1	0.7	
Nonylphenol Diethoxylates	ug/L	1.2	1.2	<1.2	<1.2	
Nonylphenol Triethoxylates	ug/L	2	2	<2	<2	
t-Octylphenol	ug/L	0.02	0.02	0.15	0.06	
t-Octylphenol Monoethoxylate	ug/L	0.1	0.1	0.2	<0.1	
t-Octylphenol Diethoxylate	ug/L	0.2	0.2	<0.2	<0.2	
t-Octylphenol Triethoxylate	ug/L	0.5	0.5	<0.5	<0.5	
TOTAL TEQ (CCME)	ug/L			4.6	1.8	
<b>PCB</b>						
Aroclor 1016	mg/L	0.0002	0.00005	<0.0002	<0.00005	
Aroclor 1221	mg/L	0.0002	0.00005	<0.0002	<0.00005	
Aroclor 1232	mg/L	0.0002	0.00005	<0.0002	<0.00005	
Aroclor 1242	mg/L	0.0002	0.00005	<0.0002	<0.00005	
Aroclor 1248	mg/L	0.0002	0.00005	<0.0002	<0.00005	
Aroclor 1254	mg/L	0.0002	0.00005	<0.0002	<0.00005	
Aroclor 1260	mg/L	0.0002	0.00005	<0.0002	<0.00005	
Aroclor 1262	mg/L	0.0002	0.00005	<0.0002	<0.00005	
Aroclor 1268	mg/L	0.0002	0.00005	<0.0002	<0.00005	
Total PCBs	mg/L	0.0002	0.00005	<0.0002	<0.00005	
Decachlorobiphenyl	%			71	70	
<b>Pesticides, Organochlorine</b>						
op-DDT	ug/L	1	0.1	<1	<0.1	
pp-DDD	ug/L	1	0.1	<1	<0.1	
pp-DDE	ug/L	1	0.1	<1	<0.1	
pp-DDT	ug/L	1	0.1	<1	<0.1	
Heptachlor	ug/L	1	0.1	<1	<0.1	
Heptachlor Epoxide	ug/L	1	0.1	<1	<0.1	
a-chlordane	ug/L	1	0.1	<1	<0.1	
g-chlordane	ug/L	1	0.1	<1	<0.1	
Aldrin	ug/L	1	0.1	<1	<0.1	
Dieldrin	ug/L	1	0.1	<1	<0.1	
Lindane	ug/L	1	0.1	<1	<0.1	
Methoxychlor	ug/L	1	0.1	<1	<0.1	
alpha-BHC	ug/L	1	0.1	<1	<0.1	
beta-BHC	ug/L	1	0.1	<1	<0.1	
delta-BHC	ug/L	1	0.1	<1	<0.1	
Oxychlordane	ug/L	1	0.1	<1	<0.1	
Endrin	ug/L	1	0.1	<1	<0.1	
beta-Endosulfan	ug/L	1	0.1	<1	<0.1	
alpha-Endosulfan	ug/L	1	0.1	<1	<0.1	
o,p-DDE	ug/L	1	0.1	<1	<0.1	
Endrin Aldehyde	ug/L	1	0.1	<1	<0.1	
Endosulfan Sulfate	ug/L	1	0.1	<1	<0.1	
Mirex	ug/L	1	0.1	<1	<0.1	
op-DDD	ug/L	1	0.1	<1	<0.1	
2-Fluorobiphenyl	%			52	62	
d14-Terphenyl	%			82	80	

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4'th Quarter Sampling Parameter	November 6, 2008			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Phenoxyacid Herbicides by GC/MS					
2,4,5-TP	ug/L	0.5	0.5	<0.5	<0.5
MCPA	ug/L	0.5	0.5	0.6	1.1
Mecoprop	ug/L	0.5	0.5	0.6	0.8
2,4,5-T	ug/L	0.5	0.5	<0.5	<0.5
2,4-D	ug/L	0.5	0.5	1.2	1.1
Bromoxynil	ug/L	0.5	0.5	<0.5	3
Dicamba	ug/L	0.5	0.5	<0.5	<0.5
Dinoseb	ug/L	0.5	0.5	<0.5	<0.5
Picloram	ug/L	0.5	0.5	<0.5	<0.5
2,4-Dichlorophenylacetic Acid	%			128	132
Target Compounds by GC/MS					
Octachlorostyrene	mg/L	0.0005	0.0005	<0.0005	<0.0005
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.0005	0.0005	<0.0005	<0.0005
Dinitropyrene	mg/L	0.02	0.02	<0.02	<0.02
2-Fluorobiphenyl	%			75	73
p-Terphenyl d14	%			148	125
Volatile Organics					
1,1,1,2-Tetrachloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	0.5	0.5	1.2	<0.5
1,1,2-Trichloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,2-Dibromoethane	ug/L	0.5	0.5	<0.5	<0.5
1,1-Dichloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,1-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5
1,2-Dichloroethane	ug/L	0.5	0.5	<0.5	<0.5
1,2-Dichloropropane	ug/L	0.5	0.5	<0.5	<0.5
1,3-Dichlorobenzene	ug/L	0.5	0.5	<0.5	<0.5
1,4-Dichlorobenzene	ug/L	0.5	0.5	0.8	0.7
2-Hexanone	ug/L	20	20	<20	<20
Acetone	ug/L	20	20	40	<20
Benzene	ug/L	0.5	0.5	<0.5	<0.5
Bromodichloromethane	ug/L	0.5	0.5	<0.5	<0.5
Bromoform	ug/L	0.5	0.5	<0.5	<0.5
Bromomethane	ug/L	1	1	<1	2
Carbon Disulfide	ug/L	0.5	0.5	<0.5	<0.5
Carbon tetrachloride	ug/L	0.5	0.5	<0.5	<0.5
Chlorobenzene	ug/L	0.5	0.5	<0.5	<0.5
Chloroethane	ug/L	1	1	<1	<1
Chloroform	ug/L	0.5	0.5	6.2	4.5
Chloromethane	ug/L	1	1	<1	<1
cis-1,2-Dichloroethylene	ug/L	0.5	0.5	1.9	<0.5
cis-1,3-Dichloropropene	ug/L	0.5	0.5	<0.5	<0.5
Dibromochloromethane	ug/L	0.5	0.5	<0.5	<0.5
Dichlorodifluoromethane	ug/L	1	1	<1	<1
Dichloromethane	ug/L	0.5	0.5	<0.5	1.2
Ethyl Benzene	ug/L	0.5	0.5	<0.5	<0.5
m+p-Xylenes	ug/L	1	1	<1	<1
Methyl Ethyl Ketone	ug/L	20	20	<20	<20

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4'th Quarter Sampling Parameter	November 6, 2008			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20
MTBE	ug/L	0.5	0.5	<0.5	<0.5
o-Xylene	ug/L	0.5	0.5	<0.5	<0.5
Styrene	ug/L	0.5	0.5	<0.5	<0.5
Tetrachloroethylene	ug/L	0.5	0.5	4.8	0.8
Toluene	ug/L	0.5	0.5	3	<0.5
trans-1,2-Dichloroethylene	ug/L	0.5	0.5	<0.5	<0.5
trans-1,3-Dichloropropene	ug/L	0.5	0.5	<0.5	<0.5
Trichloroethylene	ug/L	0.5	0.5	<0.5	<0.5
Trichlorofluoromethane	ug/L	1	1	<1	<1
Trihalomethanes (total)	ug/L	2	2	6	5
Vinyl chloride	ug/L	0.5	0.5	<0.5	<0.5
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5
1,2-Dichloroethane d4	%			104	104
Toluene-d8	%			100	99
4-Bromofluorobenzene	%			96	95

NOTES:

MDL- Method detection limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

<- less than

NA- not analyzed

NR- not reported

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

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