

**The City of Winnipeg**  
**Water and Waste Department**  
**North End Water Pollution Control Center Quarterly Monitoring**

Sample Location:			NEWPCC Raw Sewage Grab	NEWPCC Final Effluent Grab
Date Sampled:			14-Jun-2005	14-Jun-2005
Parameter	MDL	Units		
<b>Miscellaneous</b>				
Mercury (Hg)-Total	0.5	ng/L	130	26
Chromium, Hexavalent	0.001	mg/L	<0.001	<0.001
Toxaphene	0.0001/0.001*	mg/L	<0.0001	<0.001
Phenols (4AAP)	0.002	mg/L	0.011	0.005
Tetraethyllead (Pb)	0.00004	mg/L	<0.00004	<0.00004
Tributyl Tin	0.00004	mg/L	<0.00004	<0.00004
Total Oil and Grease	1	mg/L	18	2
Trout Bioassay	Pass/Fail		NA	Fail
<b>Total Metals*</b>				
Arsenic, Total	0.001	mg/L	0.002	0.003
Cadmium, Total	0.001	mg/L	0.003	<0.001
Chromium, Total	0.001	mg/L	0.046	0.014
Copper, Total	0.001	mg/L	0.154	0.028
Molybdenum, Total	NA	mg/L	NA	NA
Nickel, Total	0.001	mg/L	0.032	0.019
Lead, Total	0.001	mg/L	0.020	0.004
Selenium, Total	NA	mg/L	NA	NA
Zinc, Total	0.003	mg/L	0.571	0.172
<b>Volatile Organics</b>				
1,1,1,2-Tetrachloroethane	0.5	µg/L	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5	µg/L	<0.5	<0.5
1,1,1-Trichloroethane	0.5	µg/L	<0.5	<0.5
1,1,2-Trichloroethane	0.5	µg/L	<0.5	<0.5
1,2-Dibromoethane	0.5	µg/L	<0.5	<0.5
1,1-Dichloroethane	0.5	µg/L	<0.5	<0.5
1,1-Dichloroethylene	0.5	µg/L	<0.5	<0.5
1,2-Dichlorobenzene	0.5	µg/L	<0.5	<0.5
1,2-Dichloroethane	0.5	µg/L	<0.5	<0.5
1,2-Dichloropropane	0.5	µg/L	<0.5	<0.5
1,3-Dichlorobenzene	0.5	µg/L	<0.5	<0.5
1,4-Dichlorobenzene	0.5	µg/L	0.6	0.5
2-Chloroethylvinyl Ether	20	µg/L	<20	<20
2-Hexanone	20	µg/L	<20	<20
Acetone	20	µg/L	<20	<20
Benzene	0.5	µg/L	<0.5	<0.5
Bromodichloromethane	0.5	µg/L	<0.5	<0.5
Bromoform	0.5	µg/L	<0.5	<0.5
Bromomethane	1	µg/L	<1	<1
Carbon Disulfide	0.5	µg/L	<0.5	<0.5
Carbon tetrachloride	0.5	µg/L	<0.5	<0.5
Chlorobenzene	0.5	µg/L	<0.5	<0.5
Chloroethane	1	µg/L	<1	<1
Chloroform	0.5	µg/L	0.6	3.2
Chloromethane	1	µg/L	<1	<1
cis-1,2-Dichloroethylene	0.5	µg/L	1.0	0.8
cis-1,3-Dichloropropene	0.5	µg/L	<0.5	<0.5
Dibromochloromethane	0.5	µg/L	<0.5	<0.5
Dichlorodifluoromethane	1	µg/L	<1	<1
Dichloromethane	0.5	µg/L	2.2	1.3
Ethyl Benzene	0.5	µg/L	0.8	<0.5
m+p-Xylenes	1	µg/L	3	<1
Methyl Ethyl Ketone	20	µg/L	<20	<20
Methyl Isobutyl Ketone	20	µg/L	<20	<20
MTBE	0.5	µg/L	<0.5	<0.5

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Date Sampled:			14-Jun-2005	14-Jun-2005
Parameter	MDL	Units		
o-Xylene	0.5	µg/L	0.6	<0.5
Styrene	0.5	µg/L	1.5	<0.5
Tetrachloroethylene	0.5	µg/L	0.7	0.8
Toluene	0.5	µg/L	5.1	<0.5
trans-1,2-Dichloroethylene	0.5	µg/L	<0.5	<0.5
trans-1,3-Dichloropropene	0.5	µg/L	<0.5	<0.5
Trichloroethylene	0.5	µg/L	2.8	1.4
Trichlorofluoromethane	1	µg/L	<1	<1
Trihalomethanes (total)	2	µg/L	<2.0	3.2
Vinyl chloride	0.5	µg/L	<0.5	<0.5
Xylenes (Total)	1.5	µg/L	3.6	<1.5
<b>Target Compounds by GC/MS</b>				
Octachlorostyrene	0.0005	mg/L	<0.0005	<0.0005
4,4'-Methylenebis(2-chloroaniline)	0.0005	mg/L	<0.0005	<0.0005
Dinitropyrene	0.02	mg/L	<0.02	<0.02
<b>Phenoxyacid Herbicides by GC/MS</b>				
2,4,5-TP	0.5	µg/L	<0.5	<0.5
MCPA	0.5	µg/L	<0.5	<0.5
2,4,5-T	0.5	µg/L	<0.5	<0.5
2,4-D	0.5	µg/L	<0.5	<0.5
Bromoxynil	0.5	µg/L	<0.5	<0.5
Dicamba	0.5	µg/L	<0.5	<0.5
Picloram	0.5	µg/L	<0.5	<0.5
<b>Pesticides, Organochlorine</b>				
op-DDT	0.1	µg/L	<0.1	<0.1
pp-DDD	0.1	µg/L	<0.1	<0.1
pp-DDE	0.1	µg/L	<0.1	<0.1
pp-DDT	0.1	µg/L	<0.1	<0.1
Heptachlor	0.1	µg/L	<0.1	<0.1
Heptachlor Epoxide	0.1	µg/L	<0.1	<0.1
a-chlordane	0.1	µg/L	<0.1	<0.1
g-chlordane	0.1	µg/L	<0.1	<0.1
Aldrin	0.02	µg/L	<0.02	<0.02
Dieldrin	0.02	µg/L	<0.02	<0.02
Lindane	0.1	µg/L	<0.1	<0.1
Methoxychlor	0.1	µg/L	<0.1	<0.1
alpha-BHC	0.1	µg/L	<0.1	<0.1
beta-BHC	0.1	µg/L	<0.1	<0.1
delta-BHC	0.1	µg/L	<0.1	<0.1
Oxychlordane	0.1	µg/L	<0.1	<0.1
Endrin	0.1	µg/L	<0.1	<0.1
beta-Endosulfan	0.1	µg/L	<0.1	<0.1
alpha-Endosulfan	0.1	µg/L	<0.1	<0.1
o,p-DDE	0.1	µg/L	<0.1	<0.1
Endrin Aldehyde	0.1	µg/L	<0.1	<0.1
Endosulfan Sulfate	0.1	µg/L	<0.1	<0.1
Mirex	0.1	µg/L	<0.1	<0.1
op-DDD	0.1	µg/L	<0.1	<0.1

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Sample Location:			NEWPCC Raw Sewage Grab	NEWPCC Final Effluent Grab
Date Sampled:			14-Jun-2005	14-Jun-2005
Parameter	MDL	Units		
<b>PCB</b>				
Aroclor 1016	0.0001	mg/L	<0.0001	<0.0001
Aroclor 1221	0.0001	mg/L	<0.0001	<0.0001
Aroclor 1232	0.0001	mg/L	<0.0001	<0.0001
Aroclor 1242	0.0001	mg/L	<0.0001	<0.0001
Aroclor 1248	0.0001	mg/L	<0.0001	<0.0001
Aroclor 1254	0.0001	mg/L	<0.0001	<0.0001
Aroclor 1260	0.0001	mg/L	<0.0001	<0.0001
Aroclor 1262	0.0001	mg/L	<0.0001	<0.0001
Aroclor 1268	0.0001	mg/L	<0.0001	<0.0001
Total PCBs	0.0001	mg/L	<0.0001	<0.0001
<b>Dioxins and Furans</b>				
2378 TeCDD	0.2	pg/L	<0.20	<0.20
12378 PeCDD	0.2/0.1*	pg/L	<0.20	<0.10
123478 HxCDD	0.2	pg/L	1.9	0.59
123678 HxCDD	0.2	pg/L	4.1	1.0
123789 HxCDD	0.2	pg/L	3.3	0.66
1234678 HpCDD	0.3	pg/L	88	14
OCDD	0.6/0.5*	pg/L	570	93
Total TCDD	0.2	pg/L	<0.20	<0.20
Total PeCDD	0.2/0.1*	pg/L	<0.20	<0.10
Total HxCDD	0.2	pg/L	32	4.2
Total HpCDD	0.3	pg/L	170	27
Total PCDDs	0.6/0.5*	pg/L	770	120
2378 TeCDF	0.2	pg/L	<0.20	<0.20
12378 PeCDF	0.1	pg/L	1.1	0.54
23478 PeCDF	0.1	pg/L	2.1	<0.10
123478 HxCDF	0.2	pg/L	1.8	0.66
123678 HxCDF	0.2	pg/L	2.1	0.56
123789 HxCDF	0.2	pg/L	1.2	<0.20
234678 HxCDF	0.2	pg/L	2.2	<0.20
1234678 HpCDF	0.2	pg/L	26	4.5
1234789 HpCDF	0.3	pg/L	1.9	<0.30
OCDF	0.3	pg/L	67	10
Total TCDF	0.2	pg/L	<0.20	<0.20
Total PeCDF	0.1	pg/L	8.8	0.52
Total HxCDF	0.2	pg/L	22	4.8
Total HpCDF	0.3	pg/L	66	11
Total PCDFs	0.3	pg/L	160	26
Total TEQ (ND=0)	0.1	pg/L	4.6	0.70
Total TEQ (ND=0.5DL)	0.1	pg/L	4.7	0.80
Total TEQ (ND=DL)	0.1	pg/L	4.9	1.0
<b>EPA 8270 Extractables</b>				
1,2,4-Trichlorobenzene	0.4	µg/L	<0.4	<0.4
1,2-Dichlorobenzene	0.4	µg/L	<0.4	<0.4
1,3-Dichlorobenzene	0.4	µg/L	<0.4	<0.4
1,4-Dichlorobenzene	0.4	µg/L	<0.4	<0.4
1-Chloronaphthalene	0.4	µg/L	<0.4	<0.4
1-Methylnaphthalene	0.4	µg/L	<0.4	<0.4
2,3,4,5-Tetrachlorophenol	0.5	µg/L	<0.5	<0.5
2,3,4,6-Tetrachlorophenol	0.5	µg/L	<0.5	<0.5
2,3,4-Trichlorophenol	0.5	µg/L	<0.5	<0.5
2,3,5,6-Tetrachlorophenol	0.5	µg/L	<0.5	<0.5
2,3,5-Trichlorophenol	0.5	µg/L	<0.5	<0.5
2,4,5-Trichlorophenol	0.5	µg/L	<0.5	<0.5
2,4,6-Trichlorophenol	0.5	µg/L	<0.5	<0.5
2,4-Dichlorophenol	0.5	µg/L	<0.5	<0.5
2,4-Dimethylphenol	0.5	µg/L	<0.5	<0.5
2,4-Dinitrophenol	0.5	µg/L	<0.5	<0.5

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Parameter	Sample Location:		NEWPCC	NEWPCC
	MDL	Units	Raw Sewage Grab 14-Jun-2005	Final Effluent Grab 14-Jun-2005
2,4-Dinitrotoluene	0.4	µg/L	<0.4	<0.4
2,6-Dichlorophenol	0.5	µg/L	<0.5	<0.5
2,6-Dinitrotoluene	0.4	µg/L	<0.4	<0.4
2-Chloronaphthalene	0.4	µg/L	<0.4	<0.4
2-Chlorophenol	0.5	µg/L	<0.5	<0.5
2-Methylnaphthalene	0.4	µg/L	<0.4	<0.4
2-Methylphenol	0.5	µg/L	<0.5	<0.5
2-Nitrophenol	0.5	µg/L	<0.5	<0.5
3,3'-Dichlorobenzidine	0.4	µg/L	<0.4	<0.4
3&4-Methylphenol	0.5	µg/L	<0.5	<0.5
<b>EPA 8270 Extractables</b>				
4,6-Dinitro-2-methylphenol	2	µg/L	<2	<2
4-Bromophenyl phenyl ether	0.4	µg/L	<0.4	<0.4
4-Chloro-3-methylphenol	0.5	µg/L	<0.5	<0.5
4-Chlorophenyl phenyl ether	0.4	µg/L	<0.4	<0.4
4-Nitrophenol	0.5	µg/L	<0.5	<0.5
5-Nitroacenaphthene	0.4	µg/L	<0.4	<0.4
Acenaphthene	0.2	µg/L	<0.2	<0.2
Acenaphylene	0.2	µg/L	<0.2	<0.2
Anthracene	0.2	µg/L	<0.2	<0.2
Benzo(a)anthracene	0.2	µg/L	<0.2	<0.2
Benzo(a)pyrene	0.01	µg/L	0.07	<0.01
Benzo(b)fluoranthene	0.2	µg/L	<0.2	<0.2
Benzo(ghi)perylene	0.2	µg/L	<0.2	<0.2
Benzo(k)fluoranthene	0.2	µg/L	<0.2	<0.2
Biphenyl	0.4	µg/L	<0.4	<0.4
Bis(2-chloroethoxy)methane	0.4	µg/L	<0.4	<0.4
Bis(2-chloroethyl)ether	0.4	µg/L	<0.4	<0.4
Bis(2-chloroisopropyl)ether	0.4	µg/L	<0.4	<0.4
Bis(2-ethylhexyl)phthalate	2	µg/L	9	3
Butylbenzyl phthalate	0.4	µg/L	1.4	1.2
Camphene	0.4	µg/L	<0.4	<0.4
Chrysene	0.2	µg/L	<0.2	<0.2
Dibenzo(a,h)anthracene	0.2	µg/L	<0.2	<0.2
Diethylphthalate	0.4	µg/L	1.8	0.6
Dimethylphthalate	0.4	µg/L	<0.4	<0.4
Di-n-butylphthalate	2	µg/L	<2	<2
Di-n-octylphthalate	0.4	µg/L	0.5	<0.4
Diphenylamine	0.4	µg/L	<0.4	<0.4
Fluoranthene	0.2	µg/L	<0.2	<0.2
Fluorene	0.2	µg/L	<0.2	<0.2
Hexachlorobenzene	0.4	µg/L	<0.4	<0.4
Hexachlorobutadiene	0.4	µg/L	<0.4	<0.4
Hexachlorocyclopentadiene	0.4	µg/L	<0.4	<0.4
Hexachloroethane	0.4	µg/L	<0.4	<0.4
Indeno(1,2,3-cd)pyrene	0.2	µg/L	0.2	<0.2
Indole	0.4	µg/L	5.5	<0.4
Isophorone	0.4	µg/L	<0.4	<0.4
Naphthalene	0.2	µg/L	<0.2	<0.2
Nitrobenzene	0.4	µg/L	<0.4	<0.4
N-Nitrosodi-n-propylamine	0.4	µg/L	<0.4	<0.4
Pentachlorophenol	0.5	µg/L	<0.5	<0.5
Perylene	0.2	µg/L	<0.2	<0.2
Phenanthrene	0.2	µg/L	<0.2	<0.2
Phenol	0.5	µg/L	1.7	<0.5
Diphenyl ether	0.4	µg/L	<0.4	<0.4
Pyrene	0.2	µg/L	<0.2	<0.2
Cresols (total)	1	µg/L	<1	<1

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Sample Location: Date Sampled:			NEWPCC Raw Sewage Grab 9-Sep-2005	NEWPCC Final Effluent Grab 9-Sep-2005
Parameter	MDL	Units		
<b>Nonylphenols and Nonylphenol Ethoxylates</b>				
Nonylphenols	100	µg/L	<100	<100
Nonylphenol Monoethoxylates	500	µg/L	<500	<500
Nonylphenol Diethoxylates	1200	µg/L	<1200	<1200
Nonylphenol Triethoxylates	2000	µg/L	<2000	<2000
t-Octylphenol	2	µg/L	<2	2.6
t-Octylphenol Monoethoxylate	10	µg/L	<10	<10
t-Octylphenol Diethoxylate	50	µg/L	<50	<50
t-Octylphenol Triethoxylate	200	µg/L	<200	<200

NOTES:

MDL- Method detection limit

mg/L- milligrams/Litre

µg/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

\*- two detection limits, matrix related

<- less than

NA- not analyzed

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

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Sample Location: Date Sampled:			NEWPCC Raw Sewage Grab 9-Sep-2005	NEWPCC Final Effluent Grab 9-Sep-2005
Parameter	MDL	Units		
<b>Miscellaneous</b>				
Mercury (Hg)-Total	0.5	ng/L	54	8.8
Chromium, Hexavalent	0.001	mg/L	<0.001	<0.001
Toxaphene	0.001	mg/L	<0.001	<0.001
Phenols (4AAP)	0.002	mg/L	0.051	0.006
Tetraethyllead (Pb)	0.00004	mg/L	<0.00004	<0.00004
Tributyl Tin	0.00004	mg/L	<0.00004	<0.00004
Total Oil and Grease	1	mg/L	43	<1
Trout Bioassay	Pass/Fail		NA	Fail
<b>Total Metals*</b>				
Arsenic, Total	0.001	mg/L	0.005	0.002
Cadmium, Total	0.001	mg/L	<0.001	<0.001
Chromium, Total	0.001	mg/L	0.028	0.012
Copper, Total	0.001	mg/L	0.158	0.026
Molybdenum, Total	NA	mg/L	NA	NA
Nickel, Total	0.001	mg/L	0.016	0.047
Lead, Total	0.001	mg/L	0.010	0.004
Selenium, Total	NA	mg/L	NA	NA
Zinc, Total	0.003	mg/L	0.350	0.101
<b>Volatile Organics</b>				
1,1,1,2-Tetrachloroethane	0.5	µg/L	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5	µg/L	<0.5	<0.5
1,1,1-Trichloroethane	0.5	µg/L	<0.5	<0.5
1,1,2-Trichloroethane	0.5	µg/L	<0.5	<0.5
1,2-Dibromoethane	0.5	µg/L	<0.5	<0.5
1,1-Dichloroethane	0.5	µg/L	<0.5	<0.5
1,1-Dichloroethylene	0.5	µg/L	<0.5	<0.5
1,2-Dichlorobenzene	0.5	µg/L	<0.5	<0.5
1,2-Dichloroethane	0.5	µg/L	<0.5	<0.5
1,2-Dichloropropane	0.5	µg/L	<0.5	<0.5
1,3-Dichlorobenzene	0.5	µg/L	<0.5	<0.5
1,4-Dichlorobenzene	0.5	µg/L	0.9	0.9
2-Chloroethylvinyl Ether	20	µg/L	<20	<20
2-Hexanone	20	µg/L	<20	<20
Acetone	20	µg/L	40	<20
Benzene	0.5	µg/L	<0.5	<0.5
Bromodichloromethane	0.5	µg/L	<0.5	<0.5
Bromoform	0.5	µg/L	<0.5	<0.5
Bromomethane	1	µg/L	<1	<1
Carbon Disulfide	0.5	µg/L	1.5	1.1
Carbon tetrachloride	0.5	µg/L	<0.5	<0.5
Chlorobenzene	0.5	µg/L	<0.5	<0.5
Chloroethane	1	µg/L	<1	<1
Chloroform	0.5	µg/L	8.6	7.7
Chloromethane	1	µg/L	<1	<1
cis-1,2-Dichloroethylene	0.5	µg/L	3.3	<0.5
cis-1,3-Dichloropropene	0.5	µg/L	<0.5	<0.5
Dibromochloromethane	0.5	µg/L	<0.5	<0.5
Dichlorodifluoromethane	1	µg/L	<1	<1
Dichloromethane	0.5	µg/L	0.5	0.6
Ethyl Benzene	0.5	µg/L	1.1	<0.5
m+p-Xylenes	1	µg/L	5	<1
Methyl Ethyl Ketone	20	µg/L	<20	<20
Methyl Isobutyl Ketone	20	µg/L	<20	<20
MTBE	0.5	µg/L	<0.5	<0.5

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Date Sampled:			9-Sep-2005	9-Sep-2005
Parameter	MDL	Units		
o-Xylene	0.5	µg/L	2.2	<0.5
Styrene	0.5	µg/L	0.5	<0.5
Tetrachloroethylene	0.5	µg/L	<0.5	1.1
Toluene	0.5	µg/L	3.3	<0.5
trans-1,2-Dichloroethylene	0.5	µg/L	<0.5	<0.5
trans-1,3-Dichloropropene	0.5	µg/L	<0.5	<0.5
Trichloroethylene	0.5	µg/L	2.8	0.5
Trichlorofluoromethane	1	µg/L	<1	<1
Trihalomethanes (total)	2	µg/L	8.6	7.7
Vinyl chloride	0.5	µg/L	<0.5	<0.5
Xylenes (Total)	1.5	µg/L	7.2	<1.5
<b>Target Compounds by GC/MS</b>				
Octachlorostyrene	0.0005	mg/L	<0.0005	<0.0005
4,4'-Methylenebis(2-chloroaniline)	0.0005	mg/L	<0.0005	<0.0005
Dinitropyrene	0.02	mg/L	<0.02	<0.02
<b>Phenoxyacid Herbicides by GC/MS</b>				
2,4,5-TP	0.5	µg/L	<0.5	<0.5
MCPA	0.5	µg/L	<0.5	<0.5
2,4,5-T	0.5	µg/L	<0.5	<0.5
2,4-D	0.5	µg/L	<0.5	<0.5
Bromoxynil	0.5	µg/L	<0.5	<0.5
Dicamba	0.5	µg/L	<0.5	<0.5
Picloram	0.5	µg/L	<0.5	<0.5
<b>Pesticides, Organochlorine</b>				
op-DDT	0.1	µg/L	<0.1	<0.1
pp-DDD	0.1	µg/L	<0.1	<0.1
pp-DDE	0.1	µg/L	<0.1	<0.1
pp-DDT	0.1	µg/L	<0.1	<0.1
Heptachlor	0.1	µg/L	<0.1	<0.1
Heptachlor Epoxide	0.1	µg/L	<0.1	<0.1
a-chlordane	0.1	µg/L	<0.1	<0.1
g-chlordane	0.1	µg/L	<0.1	<0.1
Aldrin	0.02	µg/L	<0.02	<0.02
Dieldrin	0.02	µg/L	<0.02	<0.02
Lindane	0.1	µg/L	<0.1	<0.1
Methoxychlor	0.1	µg/L	<0.1	<0.1
alpha-BHC	0.1	µg/L	<0.1	<0.1
beta-BHC	0.1	µg/L	<0.1	<0.1
delta-BHC	0.1	µg/L	<0.1	<0.1
Oxychlordane	0.1	µg/L	<0.1	<0.1
Endrin	0.1	µg/L	<0.1	<0.1
beta-Endosulfan	0.1	µg/L	<0.1	<0.1
alpha-Endosulfan	0.1	µg/L	<0.1	<0.1
o,p-DDE	0.1	µg/L	<0.1	<0.1
Endrin Aldehyde	0.1	µg/L	<0.1	<0.1
Endosulfan Sulfate	0.1	µg/L	<0.1	<0.1
Mirex	0.1	µg/L	0.7	<0.1
op-DDD	0.1	µg/L	<0.1	<0.1

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Water and Waste Department  
North End Water Pollution Control Center Quarterly Monitoring**

Sample Location:			NEWPCC Raw Sewage Grab	NEWPCC Final Effluent Grab
Date Sampled:			9-Sep-2005	9-Sep-2005
Parameter	MDL	Units		
<b>PCB</b>				
Aroclor 1016	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1221	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1232	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1242	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1248	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1254	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1260	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1262	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1268	0.00005	mg/L	<0.00005	<0.00005
Total PCBs	0.0001	mg/L	<0.0001	<0.0001
<b>Dioxins and Furans</b>				
2378 TeCDD	0.15/0.12*	pg/L	<0.15	<0.12
12378 PeCDD	0.11/0.1*	pg/L	<0.11	<0.10
123478 HxCDD	0.13/0.1*	pg/L	<0.13	<0.10
123678 HxCDD	0.11/0.1*	pg/L	<0.11	<0.10
123789 HxCDD	0.10/0.1*	pg/L	<0.10	<0.10
1234678 HpCDD	0.21/0.16*	pg/L	6.6	<0.16
OCDD	0.38/0.26*	pg/L	47	7.1
Total TCDD	0.15/0.12*	pg/L	<0.15	<0.12
Total PeCDD	0.11/0.1*	pg/L	<0.11	<0.10
Total HxCDD	0.13/0.1*	pg/L	1.1	<0.10
Total HpCDD	0.21/0.16*	pg/L	11	<0.16
Total PCDDs	0.38/0.26*	pg/L	58	7.1
2378 TeCDF	0.10/0.1*	pg/L	<0.10	<0.10
12378 PeCDF	0.1	pg/L	0.9	<0.10
23478 PeCDF	0.1	pg/L	0.74	<0.10
123478 HxCDF	0.1	pg/L	0.91	0.24
123678 HxCDF	0.1	pg/L	0.89	<0.10
123789 HxCDF	0.1	pg/L	0.65	<0.10
234678 HxCDF	0.1	pg/L	<0.10	<0.10
1234678 HpCDF	0.12/0.1*	pg/L	2.6	<0.10
1234789 HpCDF	0.17/0.13*	pg/L	<0.17	<0.13
OCDF	0.33/0.23*	pg/L	7.2	1.7
Total TCDF	0.10/0.1*	pg/L	<0.10	<0.10
Total PeCDF	0.1	pg/L	1.5	<0.10
Total HxCDF	0.1	pg/L	3.5	1.3
Total HpCDF	0.17/0.13*	pg/L	3.7	<0.13
Total PCDFs	0.33/0.23*	pg/L	16	3.1
Total TEQ (ND=0)	-	pg/L	0.80	0.03
Total TEQ (ND=0.5DL)	-	pg/L	0.94	0.18
Total TEQ (ND=DL)	-	pg/L	1.1	0.33
<b>EPA 8270 Extractables</b>				
1,2,4-Trichlorobenzene	4/0.4*	µg/L	<4	<0.4
1,2-Dichlorobenzene	4/0.4*	µg/L	<4	<0.4
1,3-Dichlorobenzene	4/0.4*	µg/L	<4	<0.4
1,4-Dichlorobenzene	4/0.4*	µg/L	<4	0.7
1-Chloronaphthalene	4/0.4*	µg/L	<4	<0.4
1-Methylnaphthalene	4/0.4*	µg/L	<4	<0.4
2,3,4,5-Tetrachlorophenol	5/0.5*	µg/L	<5	<0.5
2,3,4,6-Tetrachlorophenol	5/0.5*	µg/L	<5	<0.5
2,3,4-Trichlorophenol	5/0.5*	µg/L	<5	<0.5
2,3,5,6-Tetrachlorophenol	5/0.5*	µg/L	<5	<0.5
2,3,5-Trichlorophenol	5/0.5*	µg/L	<5	<0.5
2,4,5-Trichlorophenol	5/0.5*	µg/L	<5	<0.5
2,4,6-Trichlorophenol	5/0.5*	µg/L	<5	<0.5
2,4-Dichlorophenol	5/0.5*	µg/L	<5	<0.5
2,4-Dimethylphenol	5/0.5*	µg/L	<5	<0.5
2,4-Dinitrophenol	10/1*	µg/L	<10	<1



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Parameter	Sample Location:		NEWPCC	NEWPCC
	MDL	Units	Raw Sewage Grab 9-Sep-2005	Final Effluent Grab 9-Sep-2005
2,4-Dinitrotoluene	4/0.4*	µg/L	<4	<0.4
2,6-Dichlorophenol	5/0.5*	µg/L	<5	<0.5
2,6-Dinitrotoluene	4/0.4*	µg/L	<4	<0.4
2-Chloronaphthalene	4/0.4*	µg/L	<4	<0.4
2-Chlorophenol	5/0.5*	µg/L	<5	<0.5
2-Methylnaphthalene	4/0.4*	µg/L	<4	<0.4
2-Methylphenol	5/0.5*	µg/L	<5	<0.5
2-Nitrophenol	5/0.5*	µg/L	<5	<0.5
3,3'-Dichlorobenzidine	4/0.4*	µg/L	<4	<0.4
3&4-Methylphenol	5/0.5*	µg/L	93	<0.5
<b>EPA 8270 Extractables</b>				
4,6-Dinitro-2-methylphenol	20/2*	µg/L	<20	<2
4-Bromophenyl phenyl ether	4/0.4*	µg/L	<4	<0.4
4-Chloroaniline	4/0.4*	µg/L	<4	<0.4
4-Chloro-3-methylphenol	5/0.5*	µg/L	<5	<0.5
4-Chlorophenyl phenyl ether	4/0.4*	µg/L	<4	<0.4
4-Nitrophenol	5/0.5*	µg/L	<5	<0.5
5-Nitroacenaphthene	4/0.4*	µg/L	<4	<0.4
Acenaphthene	2/0.2*	µg/L	<2	<0.2
Acenaphylene	2/0.2*	µg/L	<2	<0.2
Anthracene	2/0.2*	µg/L	<2	<0.2
Benzo(a)anthracene	2/0.2*	µg/L	<2	<0.2
Benzo(a)pyrene	0.1/0.01*	µg/L	0.5	<0.01
Benzo(b)fluoranthene	2/0.2*	µg/L	<2	<0.2
Benzo(ghi)perylene	2/0.2*	µg/L	<2	<0.2
Benzo(k)fluoranthene	2/0.2*	µg/L	<2	<0.2
Biphenyl	4/0.4*	µg/L	<4	<0.4
Bis(2-chloroethoxy)methane	4/0.4*	µg/L	<4	<0.4
Bis(2-chloroethyl)ether	4/0.4*	µg/L	<4	<0.4
Bis(2-chloroisopropyl)ether	4/0.4*	µg/L	<4	<0.4
Bis(2-ethylhexyl)phthalate	20/2*	µg/L	<20	<2
Butylbenzyl phthalate	4/0.4*	µg/L	<4	<0.4
Camphene	4/0.4*	µg/L	<4	<0.4
Chrysene	2/0.2*	µg/L	<2	<0.2
Dibenzo(a,h)anthracene	2/0.2*	µg/L	<2	<0.2
Diethylphthalate	4/0.4*	µg/L	4	<0.4
Dimethylphthalate	4/0.4*	µg/L	<4	<0.4
Di-n-butylphthalate	20/2*	µg/L	<20	<2
Di-n-octylphthalate	4/0.4*	µg/L	<4	<0.4
Diphenylamine	4/0.4*	µg/L	<4	<0.4
Fluoranthene	2/0.2*	µg/L	<2	<0.2
Fluorene	2/0.2*	µg/L	<2	<0.2
Hexachlorobenzene	4/0.4*	µg/L	<4	<0.4
Hexachlorobutadiene	4/0.4*	µg/L	<4	<0.4
Hexachlorocyclopentadiene	4/0.4*	µg/L	<4	<0.4
Hexachloroethane	4/0.4*	µg/L	<4	<0.4
Indeno(1,2,3-cd)pyrene	2/0.2*	µg/L	<2	<0.2
Indole	4/0.4*	µg/L	34	<0.4
Isophorone	4/0.4*	µg/L	<4	<0.4
Naphthalene	2/0.2*	µg/L	<2	<0.2
Nitrobenzene	4/0.4*	µg/L	<4	<0.4
N-Nitrosodi-n-propylamine	4/0.4*	µg/L	<4	<0.4
Pentachlorophenol	5/0.5*	µg/L	<5	<0.5
Perylene	2/0.2*	µg/L	<2	<0.2
Phenanthrene	2/0.2*	µg/L	<2	<0.2
Phenol	5/0.5*	µg/L	11	<0.5
Diphenyl ether	4/0.4*	µg/L	<4	<0.4
Pyrene	2/0.2*	µg/L	<2	<0.2
Cresols (total)	10/1*	µg/L	90	<1

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Sample Location: Date Sampled:			NEWPCC Raw Sewage Grab 9-Sep-2005	NEWPCC Final Effluent Grab 9-Sep-2005
Parameter	MDL	Units		
<b>Nonylphenols and Nonylphenol Ethoxylates</b>				
Nonylphenols	100	µg/L	<100	<100
Nonylphenol Monoethoxylates	500	µg/L	<500	<500
Nonylphenol Diethoxylates	1200	µg/L	<1200	<1200
Nonylphenol Triethoxylates	2000	µg/L	<2000	<2000
t-Octylphenol	2	µg/L	<2	2.6
t-Octylphenol Monoethoxylate	10	µg/L	<10	<10
t-Octylphenol Diethoxylate	50	µg/L	<50	<50
t-Octylphenol Triethoxylate	200	µg/L	<200	<200

NOTES:

MDL- Method detection limit

mg/L- milligrams/Litre

µg/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

\*- two detection limits, matrix related

<- less than

NA- not analyzed

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

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North End Water Pollution Control Center Quarterly Monitoring**

Sample Location:			NEWPCC Raw Sewage Grab	NEWPCC Final Effluent Grab
Date Sampled:			7-Dec-2005	7-Dec-2005
Parameter	MDL	Units		
<b>Miscellaneous</b>				
Mercury (Hg)-Total	0.5	ng/L	43	0.5
Chromium, Hexavalent	0.001	mg/L	<0.001	<0.001
Toxaphene	0.001	mg/L	<0.001	<0.001
Phenols (4AAP)	0.002	mg/L	0.090	0.007
Tetraethyllead (Pb)	0.00004	mg/L	<0.00004	<0.00004
Tributyl Tin	0.00004	mg/L	<0.00004	<0.00004
Total Oil and Grease	1	mg/L	39	<1
Trout Bioassay	Pass/Fail		NA	Fail
<b>Total Metals*</b>				
Arsenic, Total	0.001	mg/L	0.007	0.002
Cadmium, Total	0.001	mg/L	0.002	<0.001
Chromium, Total	0.001	mg/L	0.032	0.009
Copper, Total	0.001	mg/L	0.162	0.024
Molybdenum, Total	NA	mg/L	NA	NA
Nickel, Total	0.001	mg/L	0.026	0.0012
Lead, Total	0.001	mg/L	0.016	0.002
Selenium, Total	NA	mg/L	NA	NA
Zinc, Total	0.003	mg/L	0.539	0.162
<b>Volatile Organics</b>				
1,1,1,2-Tetrachloroethane	0.5	µg/L	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5	µg/L	<0.5	<0.5
1,1,1-Trichloroethane	0.5	µg/L	<0.5	<0.5
1,1,2-Trichloroethane	0.5	µg/L	<0.5	<0.5
1,2-Dibromoethane	0.5	µg/L	<0.5	<0.5
1,1-Dichloroethane	0.5	µg/L	<0.5	<0.5
1,1-Dichloroethylene	0.5	µg/L	<0.5	<0.5
1,2-Dichlorobenzene	0.5	µg/L	<0.5	<0.5
1,2-Dichloroethane	0.5	µg/L	<0.5	<0.5
1,2-Dichloropropane	0.5	µg/L	<0.5	<0.5
1,3-Dichlorobenzene	0.5	µg/L	<0.5	<0.5
1,4-Dichlorobenzene	0.5	µg/L	0.9	0.7
2-Chloroethylvinyl Ether	20	µg/L	<20	<20
2-Hexanone	20	µg/L	<20	<20
Acetone	20	µg/L	70	<20
Benzene	0.5	µg/L	<0.5	<0.5
Bromodichloromethane	0.5	µg/L	<0.5	<0.5
Bromoform	0.5	µg/L	<0.5	<0.5
Bromomethane	1	µg/L	<1	<1
Carbon Disulfide	0.5	µg/L	<0.5	<0.5
Carbon tetrachloride	0.5	µg/L	<0.5	<0.5
Chlorobenzene	0.5	µg/L	<0.5	<0.5
Chloroethane	1	µg/L	<1	<1
Chloroform	0.5	µg/L	18.8	14.8
Chloromethane	1	µg/L	<1	<1
cis-1,2-Dichloroethylene	0.5	µg/L	2.5	<0.5
cis-1,3-Dichloropropene	0.5	µg/L	<0.5	<0.5
Dibromochloromethane	0.5	µg/L	<0.5	<0.5
Dichlorodifluoromethane	1	µg/L	<1	<1
Dichloromethane	0.5	µg/L	1.2	1.9
Ethyl Benzene	0.5	µg/L	<0.5	<0.5
m+p-Xylenes	1	µg/L	<1	<1
Methyl Ethyl Ketone	20	µg/L	<20	<20
Methyl Isobutyl Ketone	20	µg/L	<20	<20
MTBE	0.5	µg/L	<0.5	<0.5

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Sample Location:			NEWPCC Raw Sewage Grab	NEWPCC Final Effluent Grab
Date Sampled:			7-Dec-2005	7-Dec-2005
Parameter	MDL	Units		
o-Xylene	0.5	µg/L	<0.5	<0.5
Styrene	0.5	µg/L	<0.5	<0.5
Tetrachloroethylene	0.5	µg/L	<0.5	0.6
Toluene	0.5	µg/L	4.4	<0.5
trans-1,2-Dichloroethylene	0.5	µg/L	<0.5	<0.5
trans-1,3-Dichloropropene	0.5	µg/L	<0.5	<0.5
Trichloroethylene	0.5	µg/L	1.9	2.1
Trichlorofluoromethane	1	µg/L	<1	<1
Trihalomethanes (total)	2	µg/L	18.8	14.8
Vinyl chloride	0.5	µg/L	0.6	<0.5
Xylenes (Total)	1.5	µg/L	<1.5	<1.5
<b>Target Compounds by GC/MS</b>				
Octachlorostyrene	0.0005	mg/L	<0.0005	<0.0005
4,4'-Methylenebis(2-chloroaniline)	0.0005	mg/L	<0.0005	<0.0005
Dinitropyrene	0.02	mg/L	<0.02	<0.02
<b>Phenoxyacid Herbicides by GC/MS</b>				
2,4,5-TP	0.5	µg/L	<0.5	<0.5
MCPA	0.5	µg/L	<0.5	<0.5
2,4,5-T	0.5	µg/L	<0.5	<0.5
2,4-D	0.5	µg/L	<0.5	<0.5
Bromoxynil	0.5	µg/L	<0.5	<0.5
Dicamba	0.5	µg/L	<0.5	<0.5
Picloram	0.5	µg/L	<0.5	<0.5
<b>Pesticides, Organochlorine</b>				
op-DDT	4/0.04*	µg/L	<4	<0.04
pp-DDD	4/0.04*	µg/L	<4	<0.04
pp-DDE	4/0.04*	µg/L	<4	<0.04
pp-DDT	4/0.04*	µg/L	<4	<0.04
Heptachlor	4/0.04*	µg/L	<4	<0.04
Heptachlor Epoxide	4/0.04*	µg/L	<4	<0.04
a-chlordane	4/0.04*	µg/L	<4	<0.04
g-chlordane	4/0.04*	µg/L	<4	<0.04
Aldrin	1/0.01*	µg/L	<1	<0.01
Dieldrin	1/0.01*	µg/L	<1	<0.01
Lindane	4/0.04*	µg/L	<4	<0.04
Methoxychlor	4/0.04*	µg/L	<4	<0.04
alpha-BHC	4/0.04*	µg/L	<4	<0.04
beta-BHC	4/0.04*	µg/L	<4	<0.04
delta-BHC	4/0.04*	µg/L	<4	<0.04
Oxychlordane	4/0.04*	µg/L	<4	<0.04
Endrin	4/0.04*	µg/L	<4	<0.04
beta-Endosulfan	10/0.1*	µg/L	<10	<0.1
alpha-Endosulfan	10/0.1*	µg/L	<10	<0.1
o,p-DDE	4/0.04*	µg/L	<4	<0.04
Endrin Aldehyde	4/0.04*	µg/L	<4	<0.04
Endosulfan Sulfate	4/0.04*	µg/L	<4	<0.04
Mirex	4/0.04*	µg/L	<4	<0.04
op-DDD	4/0.04*	µg/L	<4	<0.04

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Sample Location:			NEWPCC Raw Sewage Grab	NEWPCC Final Effluent Grab
Date Sampled:			7-Dec-2005	7-Dec-2005
Parameter	MDL	Units		
<b>PCB</b>				
Aroclor 1016	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1221	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1232	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1242	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1248	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1254	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1260	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1262	0.00005	mg/L	<0.00005	<0.00005
Aroclor 1268	0.00005	mg/L	<0.00005	<0.00005
Total PCBs	0.00005	mg/L	<0.00005	<0.00005
<b>Dioxins and Furans</b>				
2378 TeCDD	1.21/1.5*	pg/L	<1.2	<1.5
12378 PeCDD	1.22/1.34*	pg/L	<1.2	<1.3
123478 HxCDD	1.46/1.57*	pg/L	<1.5	<1.6
123678 HxCDD	1.35/1.52*	pg/L	<1.3	<1.5
123789 HxCDD	1.25/1.41*	pg/L	<1.3	<1.4
1234678 HpCDD	3.32/3.53*	pg/L	50	<3.5
OCDD	8.00/6.55*	pg/L	400	<6.6
Total TCDD	1.21/1.49*	pg/L	<1.2	<1.5
Total PeCDD	1.22/1.34*	pg/L	<1.2	<1.3
Total HxCDD	1.46/1.57*	pg/L	<1.5	<1.6
Total HpCDD	3.32/3.53*	pg/L	100	<3.5
Total PCDDs	8.00/6.55*	pg/L	500	<6.6
2378 TeCDF	0.75/0.89*	pg/L	<0.75	<0.89
12378 PeCDF	1.02/1.01*	pg/L	<1.0	<1.0
23478 PeCDF	0.93/0.99*	pg/L	<0.93	<0.99
123478 HxCDF	1.12/1.08*	pg/L	11	<1.1
123678 HxCDF	1.10/1.06*	pg/L	<1.1	<1.1
123789 HxCDF	1.79/1.61*	pg/L	<1.8	<1.6
234678 HxCDF	1.31/1.29*	pg/L	<1.3	<1.3
1234678 HpCDF	2.33/2.61*	pg/L	<2.3	<2.6
1234789 HpCDF	4.51/4.27*	pg/L	<4.5	<4.3
OCDF	9.01/7.64*	pg/L	95	<7.6
Total TCDF	0.75/0.89*	pg/L	<0.75	<0.89
Total PeCDF	1.02/1.01*	pg/L	<1.0	<1.0
Total HxCDF	1.79/1.61*	pg/L	12	<1.6
Total HpCDF	4.51/4.27*	pg/L	<4.5	<4.3
Total PCDFs	9.01/7.64*	pg/L	110	<7.6
Total TEQ (ND=0)	-	pg/L	1.80	0.00
Total TEQ (ND=0.5DL)	-	pg/L	3.7	2.30
Total TEQ (ND=DL)	-	pg/L	5.7	4.50
<b>EPA 8270 Extractables</b>				
1,2,3-Trichlorobenzene	0.4	µg/L	<0.4	<0.4
1,2,4-Trichlorobenzene	0.4	µg/L	<0.4	<0.4
1,2-Dichlorobenzene	0.4	µg/L	<0.4	<0.4
1,3-Dichlorobenzene	0.4	µg/L	<0.4	<0.4
1,4-Dichlorobenzene	0.4	µg/L	0.6	0.6
1-Chloronaphthalene	0.4	µg/L	<0.4	<0.4
1-Methylnaphthalene	0.4	µg/L	<0.4	<0.4
2,3,4,5-Tetrachlorophenol	0.5	µg/L	<0.5	<0.5
2,3,4,6-Tetrachlorophenol	0.5	µg/L	<0.5	<0.5
2,3,4-Trichlorophenol	0.5	µg/L	<0.5	<0.5
2,3,5,6-Tetrachlorophenol	0.5	µg/L	<0.5	<0.5
2,3,5-Trichlorophenol	0.5	µg/L	<0.5	<0.5
2,4,5-Trichlorophenol	0.5	µg/L	<0.5	<0.5
2,4,6-Trichlorophenol	0.5	µg/L	<0.5	<0.5
2,4-Dichlorophenol	0.5	µg/L	<0.5	<0.5
2,4-Dimethylphenol	0.5	µg/L	<0.5	<0.5
2,4-Dinitrophenol	1	µg/L	<1	<1

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Water and Waste Department  
North End Water Pollution Control Center Quarterly Monitoring**

Parameter	Sample Location:		NEWPCC	NEWPCC
	MDL	Units	Raw Sewage Grab	Final Effluent Grab
			7-Dec-2005	7-Dec-2005
2,4-Dinitrotoluene	0.4	µg/L	<0.4	<0.4
2,6-Dichlorophenol	0.5	µg/L	<0.5	<0.5
2,6-Dinitrotoluene	0.4	µg/L	<0.4	<0.4
2-Chloronaphthalene	0.4	µg/L	<0.4	<0.4
2-Chlorophenol	0.5	µg/L	<0.5	<0.5
2-Methylnaphthalene	0.4	µg/L	<0.4	<0.4
2-Methylphenol	0.5	µg/L	<0.5	<0.5
2-Nitrophenol	0.5	µg/L	<0.5	<0.5
3,3'-Dichlorobenzidine	0.4	µg/L	<0.4	<0.4
3&4-Methylphenol	0.5	µg/L	57.1	<0.5
<b>EPA 8270 Extractables</b>				
4,6-Dinitro-2-methylphenol	2	µg/L	<2	<2
4-Bromophenyl phenyl ether	0.4	µg/L	<0.4	<0.4
4-Chloroaniline	0.4	µg/L	<0.4	<0.4
4-Chloro-3-methylphenol	0.5	µg/L	<0.5	<0.5
4-Chlorophenyl phenyl ether	0.4	µg/L	<0.4	<0.4
4-Nitrophenol	0.5	µg/L	<0.5	<0.5
5-Nitroacenaphthene	0.4	µg/L	<0.4	<0.4
Acenaphthene	0.2	µg/L	<0.2	<0.2
Acenaphylene	0.2	µg/L	<0.2	<0.2
Anthracene	0.2	µg/L	<0.2	<0.2
Benzo(a)anthracene	0.2	µg/L	<0.2	<0.2
Benzo(a)pyrene	0.01	µg/L	<0.01	<0.01
Benzo(b)fluoranthene	0.2	µg/L	<0.2	<0.2
Benzo(ghi)perylene	0.2	µg/L	<0.2	<0.2
Benzo(k)fluoranthene	0.2	µg/L	<0.2	<0.2
Biphenyl	0.4	µg/L	<0.4	<0.4
Bis(2-chloroethoxy)methane	0.4	µg/L	<0.4	<0.4
Bis(2-chloroethyl)ether	0.4	µg/L	<0.4	<0.4
Bis(2-chloroisopropyl)ether	0.4	µg/L	<0.4	<0.4
Bis(2-ethylhexyl)phthalate	2	µg/L	3	<2
Butylbenzyl phthalate	0.4	µg/L	0.8	<0.4
Camphene	0.4	µg/L	<0.4	<0.4
Chrysene	0.2	µg/L	<0.2	<0.2
Dibenzo(a,h)anthracene	0.2	µg/L	<0.2	<0.2
Diethylphthalate	0.4	µg/L	3.1	<0.4
Dimethylphthalate	0.4	µg/L	<0.4	<0.4
Di-n-butylphthalate	2	µg/L	<2	<2
Di-n-octylphthalate	0.4	µg/L	<0.4	<0.4
Diphenylamine	0.4	µg/L	<0.4	<0.4
Fluoranthene	0.2	µg/L	<0.2	<0.2
Fluorene	0.2	µg/L	<0.2	<0.2
Hexachlorobenzene	0.4	µg/L	<0.4	<0.4
Hexachlorobutadiene	0.4	µg/L	<0.4	<0.4
Hexachlorocyclopentadiene	0.4	µg/L	<0.4	<0.4
Hexachloroethane	0.4	µg/L	<0.4	<0.4
Indeno(1,2,3-cd)pyrene	0.2	µg/L	<0.2	<0.2
Indole	0.4	µg/L	22.8	<0.4
Isophorone	0.4	µg/L	<0.4	<0.4
Naphthalene	0.2	µg/L	<0.2	<0.2
Nitrobenzene	0.4	µg/L	<0.4	<0.4
N-Nitrosodi-n-propylamine	0.4	µg/L	<0.4	<0.4
Pentachlorophenol	0.5	µg/L	<0.5	<0.5
Perylene	0.2	µg/L	<0.2	<0.2
Phenanthrene	0.2	µg/L	<0.2	<0.2
Phenol	0.5	µg/L	8.1	<0.5
Diphenyl ether	0.4	µg/L	<0.4	<0.4
Pyrene	0.2	µg/L	<0.2	<0.2
Cresols (total)	1	µg/L	44	<1

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Sample Location: Date Sampled:			NEWPCC Raw Sewage Grab 7-Dec-2005	NEWPCC Final Effluent Grab 7-Dec-2005
Parameter	MDL	Units		
<b>Nonylphenols and Nonylphenol Ethoxylates</b>				
Nonylphenols	0.1	mg/L	<0.1	<0.1
Nonylphenol Monoethoxylates	0.5	mg/L	<0.5	<0.5
Nonylphenol Diethoxylates	1.2	mg/L	<1	<1
Nonylphenol Triethoxylates	2	mg/L	<2	<2
t-Octylphenol	0.02	mg/L	<0.02	<0.02
t-Octylphenol Monoethoxylate	0.1	mg/L	<0.1	<0.1
t-Octylphenol Diethoxylate	0.2	mg/L	<0.2	<0.2
t-Octylphenol Triethoxylate	0.5	mg/L	<0.5	<0.5

NOTES:

MDL- Method detection limit

mg/L- milligrams/Litre

µg/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

\*- two detection limits, matrix related

<- less than

NA- not analyzed

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