

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

1'st Quarter Sampling	February 14, 2012			NEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	ug/L	1.0	1.0	<1.0	<1.0
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0416	0.0027
Tetraethyl Lead	ug/L	0.0070	0.00070	<0.0070	<0.00070
Total Oil and Grease	mg/L	2.0	2.0	64.8	<2.0
Toxaphene	ug/L	1.0	1.0	<1.0	<1.0
Tributyltin	ug/L	0.0050	0.0050	<0.005	<0.005
Trout Bioassay	Pass/Fail			NA	Fail
Surrogate: 2-Fluorobiphenyl	%			90.2	94.6
Surrogate: Decachlorobiphenyl	%			107.0	179.0
Surrogate: Tetrachloro-m-xylene	%			68.0	78.6
Surrogate: Tributyltin Chloride-D27	%			24.0	54.8
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00200	0.00131
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000248	0.000051
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0179	0.0055
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.0656	0.00754
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00365	0.000396
Mercury (Hg)-Total	ng/L	1.0	1.0	25.8	12.8
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.0137	0.0144
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0080	0.0100
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0012	0.0010
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.155	0.0406
Dioxins and Furans					
2378 TCDD	pg/L	0.98	0.79	<0.98	<0.79
12378 PeCDD	pg/L	0.87	0.63	<0.87	<0.63
123478 HxCDD	pg/L	0.70	0.37	<0.70	<0.37
123678 HxCDD	pg/L	0.68	0.37	0.95	<0.37
123789 HxCDD	pg/L	0.71	0.38	<0.71	<0.38
1234678 HpCDD	pg/L	1.5	0.35	16.2	1.42
OCDD	pg/L	2.8	1.2	148	7.7
Total TCDD	pg/L	0.98	0.79	<0.98	2.57
Total PeCDD	pg/L	0.87	0.63	3.78	<0.63
Total HxCDD	pg/L	0.71	0.38	<0.71	0.52
Total HpCDD	pg/L	1.5	0.35	31.5	2.46
2378 TCDF	pg/L	1.4	0.87	<1.4	<0.87
12378 PeCDF	pg/L	0.61	0.36	<0.61	<0.36
23478 PeCDF	pg/L	0.57	0.32	<0.57	0.56
123478 HxCDF	pg/L	0.35	0.23	<0.35	<0.23
123678 HxCDF	pg/L	0.37	0.23	<0.37	<0.23
123789 HxCDF	pg/L	0.52	0.34	0.57	<0.34
234678 HxCDF	pg/L	0.41	0.25	0.51	<0.25
1234678 HpCDF	pg/L	0.43	0.22	1.50	<0.22
1234789 HpCDF	pg/L	0.68	0.37	<0.68	0.41
OCDF	pg/L	1.9	0.94	5.2	<0.94
Total TCDF	pg/L	1.4	0.87	<1.4	2.78
Total PeCDF	pg/L	0.61	0.36	<0.61	<0.36
Total HxCDF	pg/L	0.52	0.34	<0.52	<0.34
Total HpCDF	pg/L	0.68	0.37	2.85	<0.37

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

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Lower Bound PCDD/F TEQ (WHO 2005)	pg/L			0.208	0.0142
Mid Point PCDD/F TEQ (WHO 2005)	pg/L			2.13	1.12
Upper Bound PCDD/F TEQ (WHO 2005)	pg/L			2.83	1.93
Surrogate: 13C12 2378 TCDD	%			107.0	96.0
Surrogate: 13C12 12378 PeCDD	%			68.0	95.0
Surrogate: 13C12 123478 HxCDD	%			88.0	88.0
Surrogate: 13C12 123678 HxCDD	%			81.0	85.0
Surrogate: 13C12 1234678 HpCDD	%			86.0	90.0
Surrogate: 13C12 OCDD	%			107.0	108.0
Surrogate: 13C12 2378 TCDF	%			99.0	98.0
Surrogate: 13C12 12378 PeCDF	%			73.0	97.0
Surrogate: 13C12 23478 PeCDF	%			67.0	95.0
Surrogate: 13C12 123478 HxCDF	%			82.0	85.0
Surrogate: 13C12 123678 HxCDF	%			75.0	80.0
Surrogate: 13C12 234678 HxCDF	%			77.0	81.0
Surrogate: 13C12 123789 HxCDF	%			81.0	82.0
Surrogate: 13C12 1234678 HpCDF	%			87.0	91.0
Surrogate: 13C12 1234789 HpCDF	%			81.0	83.0
Surrogate: 37C14 2378 TCDD	%			98.0	94.0
EPA 8270 Extractables					
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-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-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	133	<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

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

1'st Quarter Sampling Parameter	February 14, 2012			NEWPCC	
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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	2.3
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	1.0	1.0	133	<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	2.3	<0.20
Dimethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Di-n-butylphthalate	ug/L	20	2.0	<20	<2.0
Di-n-octylphthalate	ug/L	4.0	0.40	<4.0	<0.40
Diphenyl ether	ug/L	4.0	0.40	<4.0	<0.40
Diphenylamine	ug/L	4.0	0.40	<4.0	<0.40
Fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Fluorene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorobenzene	ug/L	0.40	0.040	<0.40	<0.040
Hexachlorobutadiene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorocyclopentadiene	ug/L	4.0	0.40	<4.0	<0.40
Hexachloroethane	ug/L	4.0	0.40	<4.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	2.0	0.20	<2.0	<0.20
Indole	ug/L	4.0	0.40	9.1	<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
N-Nitroso-di-n-propylamine	ug/L	4.0	0.40	<4.0	<0.40
Pentachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
Perylene	ug/L	2.0	0.20	<2.0	<0.20
Phenanthrene	ug/L	2.0	0.20	<2.0	<0.20
Phenol	ug/L	5.0	0.50	22.9	<0.50
Pyrene	ug/L	2.0	0.20	<2.0	<0.20
Surrogate: 2-Fluorobiphenyl	%			0.0	78.6
Surrogate: 2,4,6-Tribromophenol	%			132.5	114.7
Surrogate: Nitrobenzene d5	%			108.9	90.1
Surrogate: p-Terphenyl d14	%			47.1	81.9
Surrogate: Phenol d5	%			0.0	46.8

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North End Water Pollution Control Centre Quarterly Monitoring Report

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Low Level Nonylphenols and Ethoxylates					
Bisphenol A	ug/L	1.0	0.20	<1.0	<0.20
Nonylphenols	ug/L	5.0	1.0	<5.0	<1.0
Nonylphenol Monoethoxylates	ug/L	10	2.0	<10	<2.0
Nonylphenol Diethoxylates	ug/L	0.50	0.10	<0.50	0.26
Total Nonylphenol Ethoxylates	ug/L	10	2.0	<10	<2.0
Octylphenol	ug/L	5.0	1.0	<5.0	<1.0
Octylphenol Monoethoxylate	ug/L	10	2.0	<10	<2.0
Octylphenol Diethoxylate	ug/L	0.50	0.10	<0.50	<0.10
Total Octylphenol Ethoxylate	ug/L	10	2.0	<10	<2.0
Octachlorostyrene					
Octachlorostyrene	ug/L	0.50	0.50	<0.50	<0.50
Surrogate: 2-Fluorobiphenyl	%			94	77.3
Surrogate: p-Terphenyl d14	%			76.3	104.4
PCB					
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	0.0015	0.0015	<0.0015	<0.0015
Surrogate: Decachlorobiphenyl	%			48.0	83.0
Pesticides, Organochlorine					
a-chlordane	ug/L	1.0	1.0	<1.0	<1.0
Aldrin	ug/L	1.0	1.0	<1.0	<1.0
alpha-BHC	ug/L	1.0	1.0	<1.0	<1.0
alpha-Endosulfan	ug/L	1.0	1.0	<1.0	<1.0
beta-BHC	ug/L	1.0	1.0	<1.0	<1.0
beta-Endosulfan	ug/L	1.0	1.0	<1.0	<1.0
delta-BHC	ug/L	1.0	1.0	<1.0	<1.0
Dieldrin	ug/L	1.0	1.0	<1.0	<1.0
Endosulfan Sulfate	ug/L	1.0	1.0	<1.0	<1.0
Endrin	ug/L	1.0	1.0	<1.0	<1.0
Endrin Aldehyde	ug/L	1.0	1.0	<1.0	<1.0
g-chlordane	ug/L	1.0	1.0	<1.0	<1.0
Heptachlor	ug/L	1.0	1.0	<1.0	<1.0
Heptachlor Epoxide	ug/L	1.0	1.0	<1.0	<1.0
Lindane	ug/L	1.0	1.0	<1.0	<1.0
Methoxychlor	ug/L	1.0	1.0	<1.0	<1.0
Mirex	ug/L	1.0	1.0	<1.0	<1.0
o,p-DDE	ug/L	1.0	1.0	<1.0	<1.0
op-DDD	ug/L	1.0	1.0	<1.0	<1.0
op-DDT	ug/L	1.0	1.0	<1.0	<1.0
Oxychlordane	ug/L	1.0	1.0	<1.0	<1.0
pp-DDD	ug/L	1.0	1.0	<1.0	<1.0
pp-DDE	ug/L	1.0	1.0	<1.0	<1.0

**City Of Winnipeg
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North End Water Pollution Control Centre Quarterly Monitoring Report

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pp-DDT	ug/L	1.0	1.0	<1.0	<1.0
Surrogate: 2-Fluorobiphenyl	%			81.0	71.0
Surrogate: d14-Terphenyl	%			87.9	84.5
Phenoxyacid Herbicides by GC/MS					
2,4,5-T	ug/L	5.0	0.50	<5.0	<0.50
2,4,5-TP	ug/L	5.0	0.50	<5.0	<0.50
2,4-D	ug/L	5.0	0.50	<5.0	<0.50
2,4-DP	ug/L	NA	NA	NA	NA
Bromoxynil	ug/L	5.0	0.50	<5.0	<0.50
Dicamba	ug/L	5.0	0.50	<5.0	<0.50
Dinoseb	ug/L	5.0	0.50	<5.0	<0.50
MCPA	ug/L	5.0	0.50	<5.0	<0.50
Mecoprop	ug/L	5.0	0.50	<5.0	<0.50
Picloram	ug/L	5.0	0.50	<5.0	<0.50
Surrogate: 2,4-Dichlorophenylacetic Acid	%			102.1	114.0
Volatile Organics					
1,1,1,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dibromoethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloropropane	ug/L	0.50	0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.50	0.50	0.59	0.57
2-Hexanone	ug/L	20	20	<20	<20
Acetone	ug/L	20	20	78	<20
Benzene	ug/L	0.50	0.50	<0.50	<0.50
Bromodichloromethane	ug/L	0.50	0.50	0.50	<0.50
Bromoform	ug/L	0.50	0.50	<0.50	<0.50
Bromomethane	ug/L	1.0	1.0	<1.0	<1.0
Carbon Disulfide	ug/L	0.50	0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	0.50	0.50	<0.50	<0.50
Chlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
Chloroethane	ug/L	1.0	1.0	<1.0	<1.0
Chloroform	ug/L	0.50	0.50	5.67	4.06
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	0.50	0.50	<0.50	<0.50
Dibromochloromethane	ug/L	0.50	0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Dichloromethane	ug/L	0.50	0.50	0.70	1.42
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	22	<20
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20

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Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

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MTBE	ug/L	0.50	0.50	<0.50	<0.50
o-Xylene	ug/L	0.50	0.50	<0.50	<0.50
Styrene	ug/L	0.50	0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	0.71	<0.50
Toluene	ug/L	0.50	0.50	6.71	<0.50
trans-1,2-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
trans-1,3-Dichloropropene	ug/L	0.50	0.50	<0.50	<0.50
Trichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Trihalomethanes (total)	ug/L	2.0	2.0	6.2	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
Surrogate: 1,2-Dichloroethane d4	%			134.0	108.5
Surrogate: Toluene-d8	%			87.6	90.4
Surrogate: 4-Bromofluorobenzene	%			85.4	104.3

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

All parameters were analyzed by contract laboratory.

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Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

2'nd Quarter Sampling Parameter	May 8, 2012			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	ug/L	1.0	1.0	<1.0	<1.0
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0260	<0.0010
Tetraethyl Lead	ug/L	0.012	0.00070	<0.012	<0.00070
Total Oil and Grease	mg/L	1.0	1.0	<1.0	<1.0
Toxaphene	ug/L	0.10	0.10	<0.10	<0.10
Tributyltin	ug/L	0.0050	0.0050	<0.0050	<0.0050
Trout Bioassay	Pass/Fail			NA	Fail
Surrogate: 2-Fluorobiphenyl	%			79.4	93.8
Surrogate: Decachlorobiphenyl	%			108.6	128.2
Surrogate: Tetrachloro-m-xylene	%			98.6	112.0
Surrogate: Tributyltin Chloride-D27	%			123.9	114.4
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.0020	0.0020	0.0023	<0.0020
Cadmium (Cd)-Total	mg/L	0.00010	0.00010	0.00047	<0.00010
Chromium (Cr)-Total	mg/L	0.010	0.010	<0.010	<0.010
Copper (Cu)-Total	mg/L	0.0020	0.0020	0.0845	0.0078
Lead (Pb)-Total	mg/L	0.00090	0.00090	0.0170	<0.00090
Mercury (Hg)-Total	ng/L	1.0	1.0	28.4	3.1
Molybdenum (Mo)-Total	mg/L	0.0020	0.0020	0.0099	0.0094
Nickel (Ni)-Total	mg/L	0.020	0.020	<0.020	0.028
Selenium (Se)-Total	mg/L	0.010	0.010	<0.010	<0.010
Zinc (Zn)-Total	mg/L	0.050	0.050	0.198	<0.050
Dioxins and Furans					
2378 TCDD	pg/L	1.2	0.67	<1.2	<0.67
12378 PeCDD	pg/L	1.6	1.1	<1.6	<1.1
123478 HxCDD	pg/L	0.84	1.0	<0.84	<1.0
123678 HxCDD	pg/L	0.88	1.0	<0.88	<1.0
123789 HxCDD	pg/L	0.87	1.0	<0.87	<1.0
1234678 HpCDD	pg/L	3.9	1.2	45.8	<1.2
OCDD	pg/L	7.6	4.1	270	6.0
Total TCDD	pg/L	1.2	0.67	<1.2	<0.67
Total PeCDD	pg/L	1.6	1.1	<1.6	<1.1
Total HxCDD	pg/L	0.88	1.0	8.85	<1.0
Total HpCDD	pg/L	3.9	1.2	107	<1.2
2378 TCDF	pg/L	0.80	0.71	<0.80	<0.71
12378 PeCDF	pg/L	1.4	1.2	<1.4	<1.2
23478 PeCDF	pg/L	1.3	1.1	<1.3	<1.1
123478 HxCDF	pg/L	1.1	0.63	<1.1	<0.63
123678 HxCDF	pg/L	1.0	0.59	<1.0	<0.59
123789 HxCDF	pg/L	1.4	0.80	<1.4	<0.80
234678 HxCDF	pg/L	1.1	0.61	<1.1	<0.61
1234678 HpCDF	pg/L	0.75	0.38	10.8	<0.38
1234789 HpCDF	pg/L	1.2	0.59	<1.2	<0.59
OCDF	pg/L	3.6	1.9	27.0	<1.9
Total TCDF	pg/L	0.80	0.71	<0.80	<0.71
Total PeCDF	pg/L	1.4	1.2	1.9	<1.2
Total HxCDF	pg/L	1.4	0.80	9.3	<0.80
Total HpCDF	pg/L	1.2	0.59	30.1	<0.59

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

2'nd Quarter Sampling Parameter	May 8, 2012			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Lower Bound PCDD/F TEQ (WHO 2005)	pg/L			0.647	0.00
Mid Point PCDD/F TEQ (WHO 2005)	pg/L			2.68	1.40
Upper Bound PCDD/F TEQ (WHO 2005)	pg/L			4.70	2.79
Surrogate: 13C12 2378 TCDD	%			60.0	75.0
Surrogate: 13C12 12378 PeCDD	%			81.0	111.0
Surrogate: 13C12 123478 HxCDD	%			58.0	73.0
Surrogate: 13C12 123678 HxCDD	%			53.0	71.0
Surrogate: 13C12 1234678 HpCDD	%			49.0	65.0
Surrogate: 13C12 OCDD	%			44.0	61.0
Surrogate: 13C12 2378 TCDF	%			62.0	73.0
Surrogate: 13C12 12378 PeCDF	%			78.0	101.0
Surrogate: 13C12 23478 PeCDF	%			79.0	110.0
Surrogate: 13C12 123478 HxCDF	%			50.0	65.0
Surrogate: 13C12 123678 HxCDF	%			49.0	66.0
Surrogate: 13C12 234678 HxCDF	%			50.0	67.0
Surrogate: 13C12 123789 HxCDF	%			53.0	74.0
Surrogate: 13C12 1234678 HpCDF	%			50.0	66.0
Surrogate: 13C12 1234789 HpCDF	%			50.0	69.0
Surrogate: 37C14 2378 TCDD	%			104.0	91.0
EPA 8270 Extractables					
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-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-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	93.5	<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

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

2'nd Quarter Sampling Parameter	May 8, 2012			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
4-Chlorophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
5-Nitroacenaphthene	ug/L	4.0	0.40	<4.0	<0.40
Acenaphthene	ug/L	2.0	0.20	<2.0	<0.20
Acenaphthylene	ug/L	2.0	0.20	<2.0	<0.20
Anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)pyrene	ug/L	0.50	0.050	<0.50	<0.050
Benzo(b)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(ghi)perylene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(k)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Biphenyl	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethoxy)methane	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroisopropyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	20	2.0	<20	<2.0
Butylbenzyl phthalate	ug/L	4.0	0.40	<4.0	0.41
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	9.0	1.0	93.5	<1.0
Dibenzo(a,h)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Dibenzofuran	ug/L	2.0	0.20	<2.0	<0.20
Diethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Dimethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Di-n-butylphthalate	ug/L	20	2.0	<20	<2.0
Di-n-octylphthalate	ug/L	4.0	0.40	<4.0	<0.40
Diphenyl ether	ug/L	4.0	0.40	<4.0	<0.40
Diphenylamine	ug/L	4.0	0.40	<4.0	<0.40
Fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Fluorene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorobenzene	ug/L	0.40	0.040	<0.40	<0.040
Hexachlorobutadiene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorocyclopentadiene	ug/L	4.0	0.40	<4.0	<0.40
Hexachloroethane	ug/L	4.0	0.40	<4.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	2.0	0.20	<2.0	<0.20
Indole	ug/L	4.0	0.40	14.2	<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
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	14.4	<0.50
Pyrene	ug/L	2.0	0.20	<2.0	<0.20
Surrogate: 2-Fluorobiphenyl	%			83.0	85.7
Surrogate: 2,4,6-Tribromophenol	%			79.5	115.8
Surrogate: Nitrobenzene d5	%			100.5	91.1
Surrogate: p-Terphenyl d14	%			72.3	112.6
Surrogate: Phenol d5	%			58.3	47.6

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

2'nd Quarter Sampling Parameter	May 8, 2012			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Low Level Nonylphenols and Ethoxylates					
Bisphenol A	ug/L	1.0	0.20	<1.0	<0.20
Nonylphenols	ug/L	5.0	1.0	<5.0	<1.0
Nonylphenol Monoethoxylates	ug/L	10	2.0	<10	<2.0
Nonylphenol Diethoxylates	ug/L	0.50	0.10	1.51	0.36
Total Nonylphenol Ethoxylates	ug/L	10	2.0	<10	<2.0
Octylphenol	ug/L	5.0	1.0	<5.0	<1.0
Octylphenol Monoethoxylate	ug/L	10	2.0	<10	<2.0
Octylphenol Diethoxylate	ug/L	0.50	0.10	<0.50	0.16
Total Octylphenol Ethoxylates	ug/L	10	2.0	<10	<2.0
Octachlorostyrene					
Octachlorostyrene	ug/L	5.0	0.50	<5.0	<0.50
Surrogate: 2-Fluorobiphenyl	%			0	100.3
Surrogate: p-Terphenyl d14	%			0	122.4
PCB					
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	0.00060	0.00060	<0.00060	<0.00060
Surrogate: Decachlorobiphenyl	%			64.0	76.0
Pesticides, Organochlorine					
a-chlordane	ug/L	10	1.0	<10	<1.0
Aldrin	ug/L	10	1.0	<10	<1.0
alpha-BHC	ug/L	10	1.0	<10	<1.0
alpha-Endosulfan	ug/L	10	1.0	<10	<1.0
beta-BHC	ug/L	10	1.0	<10	<1.0
beta-Endosulfan	ug/L	10	1.0	<10	<1.0
delta-BHC	ug/L	10	1.0	<10	<1.0
Dieldrin	ug/L	10	1.0	<10	<1.0
Endosulfan Sulfate	ug/L	10	1.0	<10	<1.0
Endrin	ug/L	10	1.0	<10	<1.0
Endrin Aldehyde	ug/L	10	1.0	<10	<1.0
g-chlordane	ug/L	10	1.0	<10	<1.0
Heptachlor	ug/L	10	1.0	<10	<1.0
Heptachlor Epoxide	ug/L	10	1.0	<10	<1.0
Lindane	ug/L	10	1.0	<10	<1.0
Methoxychlor	ug/L	10	1.0	<10	<1.0
Mirex	ug/L	10	1.0	<10	<1.0
o,p-DDE	ug/L	10	1.0	<10	<1.0
op-DDD	ug/L	10	1.0	<10	<1.0
op-DDT	ug/L	10	1.0	<10	<1.0
Oxychlordane	ug/L	10	1.0	<10	<1.0
pp-DDD	ug/L	10	1.0	<10	<1.0
pp-DDE	ug/L	10	1.0	<10	<1.0

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

2'nd Quarter Sampling Parameter	May 8, 2012			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
pp-DDT	ug/L	10	1.0	<10	<1.0
Surrogate: 2-Fluorobiphenyl	%			0.0	89.6
Surrogate: d14-Terphenyl	%			0.0	138.5
Phenoxyacid Herbicides by GC/MS					
2,4,5-T	ug/L	5.0	0.50	<5.0	<0.50
2,4,5-TP	ug/L	5.0	0.50	<5.0	<0.50
2,4-D	ug/L	5.0	0.50	<5.0	<0.50
2,4-DP	ug/L	NA	NA	NA	NA
Bromoxynil	ug/L	5.0	0.50	<5.0	<0.50
Dicamba	ug/L	5.0	0.50	<5.0	<0.50
Dinoseb	ug/L	5.0	0.50	<5.0	<0.50
MCPA	ug/L	5.0	0.50	<5.0	<0.50
Mecoprop	ug/L	5.0	0.50	<5.0	<0.50
Picloram	ug/L	5.0	0.50	<5.0	<0.50
Surrogate: 2,4-Dichlorophenylacetic Acid	%			94.8	117.4
Volatile Organics					
1,1,1,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dibromoethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloropropane	ug/L	0.50	0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
2-Hexanone	ug/L	20	20	<20	<20
Acetone	ug/L	20	20	48	<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	2.17	2.13
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	1.68	<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	0.64
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

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

2'nd Quarter Sampling Parameter	May 8, 2012			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	<0.50	<0.50
Toluene	ug/L	0.50	0.50	2.98	0.52
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	2.2	2.1
Vinyl chloride	ug/L	0.50	0.50	<0.50	<0.50
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5
Surrogate: 1,2-Dichloroethane d4	%			103.4	96.7
Surrogate: Toluene-d8	%			100.0	99.1
Surrogate: 4-Bromofluorobenzene	%			95.8	99.1

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

All parameters were analyzed by contract laboratory.

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

3'rd Quarter Sampling Parameter	August 14, 2012			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	ug/L	1.0	1.0	<1.0	<1.0
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0580	0.0020
Tetraethyl Lead	ug/L	0.0070	0.00070	<0.0070	<0.00070
Total Oil and Grease	mg/L	1.0	1.0	<1.0	<1.0
Toxaphene	ug/L	1.5	1.5	<1.5	<1.5
Tributyltin	ug/L	0.050	0.050	<0.050	<0.050
Trout Bioassay	Pass/Fail			NA	Fail
Surrogate: 2-Fluorobiphenyl	%			69.5	102.7
Surrogate: Decachlorobiphenyl	%			98.4	101.0
Surrogate: Tetrachloro-m-xylene	%			75.0	73.8
Surrogate: Tri-n-propyltin	%			83	75
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.020	0.020	<0.020	<0.020
Cadmium (Cd)-Total	mg/L	0.0010	0.0010	<0.0010	<0.0010
Chromium (Cr)-Total	mg/L	0.10	0.10	<0.10	<0.10
Copper (Cu)-Total	mg/L	0.020	0.020	0.037	<0.020
Lead (Pb)-Total	mg/L	0.0090	0.0090	<0.0090	<0.0090
Mercury (Hg)-Total	ng/L	1.0	1.0	42.8	3.8
Molybdenum (Mo)-Total	mg/L	0.020	0.020	<0.020	<0.020
Nickel (Ni)-Total	mg/L	0.20	0.20	<0.20	<0.20
Selenium (Se)-Total	mg/L	0.10	0.10	<0.10	<0.10
Zinc (Zn)-Total	mg/L	0.50	0.50	<0.50	<0.50
Dioxins and Furans					
2378 TCDD	pg/L	3.2	2.3	<3.2	<2.3
12378 PeCDD	pg/L	2.4	1.3	<2.4	<1.3
123478 HxCDD	pg/L	1.5	1.0	<1.5	<1.0
123678 HxCDD	pg/L	1.5	1.0	<1.5	<1.0
123789 HxCDD	pg/L	1.5	1.0	<1.5	<1.0
1234678 HpCDD	pg/L	1.8	0.88	6.6	<0.88
OCDD	pg/L	3.9	1.7	60.6	4.3
Total TCDD	pg/L	3.2	2.3	<3.2	<2.3
Total PeCDD	pg/L	2.4	1.3	<2.4	<1.3
Total HxCDD	pg/L	1.5	1.0	<1.5	<1.0
Total HpCDD	pg/L	1.8	0.88	14.7	<0.88
2378 TCDF	pg/L	3.4	3.8	<3.4	<3.8
12378 PeCDF	pg/L	2.0	1.3	<2.0	<1.3
23478 PeCDF	pg/L	1.9	1.1	<1.9	<1.1
123478 HxCDF	pg/L	0.91	0.50	<0.91	<0.50
123678 HxCDF	pg/L	0.87	0.48	<0.87	<0.48
123789 HxCDF	pg/L	1.1	0.60	<1.1	<0.60
234678 HxCDF	pg/L	0.91	0.52	<0.91	<0.52
1234678 HpCDF	pg/L	1.6	0.88	<1.6	<0.88
1234789 HpCDF	pg/L	2.4	1.3	<2.4	<1.3
OCDF	pg/L	3.4	2.1	<3.4	<2.1
Total TCDF	pg/L	3.4	3.8	<3.4	<3.8
Total PeCDF	pg/L	2.0	1.3	<2.0	<1.3
Total HxCDF	pg/L	1.1	0.60	<1.1	<0.60
Total HpCDF	pg/L	2.4	1.3	<2.4	<1.3

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

3'rd Quarter Sampling	August 14, 2012			NEWPCC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Lower Bound PCDD/F TEQ (WHO 2005)	pg/L				0.0839	0.00
Mid Point PCDD/F TEQ (WHO 2005)	pg/L				3.80	2.45
Upper Bound PCDD/F TEQ (WHO 2005)	pg/L				7.52	4.89
Surrogate: 13C12 2378 TCDD	%				91.0	80.0
Surrogate: 13C12 12378 PeCDD	%				74.0	76.0
Surrogate: 13C12 123478 HxCDD	%				80.0	72.0
Surrogate: 13C12 123678 HxCDD	%				82.0	75.0
Surrogate: 13C12 1234678 HpCDD	%				78.0	81.0
Surrogate: 13C12 OCDD	%				79.0	94.0
Surrogate: 13C12 2378 TCDF	%				89.0	77.0
Surrogate: 13C12 12378 PeCDF	%				78.0	76.0
Surrogate: 13C12 23478 PeCDF	%				73.0	73.0
Surrogate: 13C12 123478 HxCDF	%				77.0	71.0
Surrogate: 13C12 123678 HxCDF	%				74.0	69.0
Surrogate: 13C12 234678 HxCDF	%				76.0	67.0
Surrogate: 13C12 123789 HxCDF	%				75.0	69.0
Surrogate: 13C12 1234678 HpCDF	%				81.0	84.0
Surrogate: 13C12 1234789 HpCDF	%				70.0	75.0
Surrogate: 37C14 2378 TCDD	%				74.0	73.0
EPA 8270 Extractables						
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-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-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		151	<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

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

3'rd Quarter Sampling Parameter	August 14, 2012			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
4-Chlorophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
5-Nitroacenaphthene	ug/L	4.0	0.40	<4.0	<0.40
Acenaphthene	ug/L	2.0	0.20	<2.0	<0.20
Acenaphthylene	ug/L	2.0	0.20	<2.0	<0.20
Anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)pyrene	ug/L	0.50	0.050	<0.50	<0.05
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	88	<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	5.5	1.0	152	<1.0
Dibenzo(a,h)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Dibenzofuran	ug/L	2.0	0.20	<2.0	<0.20
Diethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Dimethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Di-n-butylphthalate	ug/L	20	2.0	<20	<2.0
Di-n-octylphthalate	ug/L	4.0	0.40	<4.0	<0.40
Diphenyl ether	ug/L	4.0	0.40	<4.0	<0.40
Diphenylamine	ug/L	4.0	0.40	<4.0	<0.40
Fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Fluorene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorobenzene	ug/L	0.40	0.040	<0.40	<0.040
Hexachlorobutadiene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorocyclopentadiene	ug/L	4.0	0.40	<4.0	<0.40
Hexachloroethane	ug/L	4.0	0.40	<4.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	2.0	0.20	<2.0	<0.20
Indole	ug/L	4.0	0.40	10.6	<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
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	37.1	<0.50
Pyrene	ug/L	2.0	0.20	<2.0	<0.20
Surrogate: 2-Fluorobiphenyl	%			105.6	93.6
Surrogate: 2,4,6-Tribromophenol	%			0.0	108.5
Surrogate: Nitrobenzene d5	%			124.6	105.9
Surrogate: p-Terphenyl d14	%			58.3	103.3
Surrogate: Phenol d5	%			0.0	58.3

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

3'rd Quarter Sampling Parameter	August 14, 2012			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Low Level Nonylphenols and Ethoxylates					
Bisphenol A	ug/L	0.20	0.20	<0.20	0.35
Nonylphenols	ug/L	1.0	1.0	<1.0	<1.0
Nonylphenol Monoethoxylates	ug/L	2.0	2.0	<2.0	<2.0
Nonylphenol Diethoxylates	ug/L	0.10	0.10	0.93	0.12
Total Nonylphenol Ethoxylates	ug/L	2.0	2.0	<2.0	<2.0
Octylphenol	ug/L	1.0	1.0	<1.0	<1.0
Octylphenol Monoethoxylate	ug/L	2.0	2.0	<2.0	<2.0
Octylphenol Diethoxylate	ug/L	0.10	0.10	0.17	<0.10
Total Octylphenol Ethoxylates	ug/L	2.0	2.0	<2.0	<2.0
Octachlorostyrene					
Octachlorostyrene	ug/L	0.50	0.050	<0.50	<0.050
Surrogate: 2-Fluorobiphenyl	%			71.4	60.5
Surrogate: p-Terphenyl d14	%			90.8	78.9
PCB					
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	0.00030	0.00030	<0.00030	<0.00030
Surrogate: Decachlorobiphenyl	%			72.0	93.0
Pesticides, Organochlorine					
a-chlordane	ug/L	10	1.0	<10	<1.0
Aldrin	ug/L	10	1.0	<10	<1.0
alpha-BHC	ug/L	10	1.0	<10	<1.0
alpha-Endosulfan	ug/L	10	1.0	<10	<1.0
beta-BHC	ug/L	10	1.0	<10	<1.0
beta-Endosulfan	ug/L	10	1.0	<10	<1.0
delta-BHC	ug/L	10	1.0	<10	<1.0
Dieldrin	ug/L	10	1.0	<10	<1.0
Endosulfan Sulfate	ug/L	10	1.0	<10	<1.0
Endrin	ug/L	10	1.0	<10	<1.0
Endrin Aldehyde	ug/L	10	1.0	<10	<1.0
g-chlordane	ug/L	10	1.0	<10	<1.0
Heptachlor	ug/L	10	1.0	<10	<1.0
Heptachlor Epoxide	ug/L	10	1.0	<10	<1.0
Lindane	ug/L	10	1.0	<10	<1.0
Methoxychlor	ug/L	10	1.0	<10	<1.0
Mirex	ug/L	10	1.0	<10	<1.0
o,p-DDE	ug/L	10	1.0	<10	<1.0
op-DDD	ug/L	10	1.0	<10	<1.0
op-DDT	ug/L	10	1.0	<10	<1.0
Oxychlordane	ug/L	10	1.0	<10	<1.0
pp-DDD	ug/L	10	1.0	<10	<1.0
pp-DDE	ug/L	10	1.0	<10	<1.0

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

3'rd Quarter Sampling Parameter	August 14, 2012			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
pp-DDT	ug/L	10	1.0	<10	<1.0
Surrogate: 2-Fluorobiphenyl	%			0.0	93.0
Surrogate: d14-Terphenyl	%			0.0	116.0
Phenoxyacid Herbicides by GC/MS					
2,4,5-T	ug/L	5.0	0.50	<5.0	<0.50
2,4,5-TP	ug/L	5.0	0.50	<5.0	<0.50
2,4-D	ug/L	5.0	0.50	<5.0	<0.50
2,4-DP	ug/L	NA	NA	NA	NA
Bromoxynil	ug/L	5.0	0.50	<5.0	<0.50
Dicamba	ug/L	5.0	0.50	<5.0	<0.50
Dinoseb	ug/L	5.0	0.50	<5.0	<0.50
MCPA	ug/L	5.0	0.50	<5.0	<0.50
Mecoprop	ug/L	5.0	0.50	<5.0	<0.50
Picloram	ug/L	5.0	0.50	<5.0	<0.50
Surrogate: 2,4-Dichlorophenylacetic Acid	%			98.3	122.7
Volatile Organics					
1,1,1,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dibromoethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloropropane	ug/L	0.50	0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.50	0.50	0.50	<0.50
2-Hexanone	ug/L	20	20	<20	<20
Acetone	ug/L	20	20	110	<20
Benzene	ug/L	0.50	0.50	<0.50	<0.50
Bromodichloromethane	ug/L	0.50	0.50	<0.50	<0.50
Bromoform	ug/L	0.50	0.50	<0.50	<0.50
Bromomethane	ug/L	1.0	1.0	<1.0	<1.0
Carbon Disulfide	ug/L	0.50	0.50	1.28	<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	4.41	2.94
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	2.36	<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

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

3'rd Quarter Sampling Parameter	August 14, 2012			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	<0.50	0.66
Toluene	ug/L	0.50	0.50	2.59	<0.50
trans-1,2-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
trans-1,3-Dichloropropene	ug/L	0.50	0.50	<0.50	<0.50
Trichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Trihalomethanes (total)	ug/L	2.0	2.0	4.4	2.9
Vinyl chloride	ug/L	0.50	0.50	<0.50	<0.50
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5
Surrogate: 1,2-Dichloroethane d4	%			112.3	108.9
Surrogate: Toluene-d8	%			105.7	105.7
Surrogate: 4-Bromofluorobenzene	%			99.4	102.1

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

All parameters were analyzed by contract laboratory.

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

4'th Quarter Sampling	November 14, 2012			NEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	ug/L	1.0	1.0	<1.0	<1.0
Phenols (4AAP)	mg/L	0.0010	0.010	0.0640	<0.010
Tetraethyl Lead	ug/L	0.0070	0.00070	<0.0070	<0.00070
Total Oil and Grease	mg/L	1.0	1.0	32.0	<1.0
Toxaphene	ug/L	1.5	1.5	<1.5	<1.5
Tributyltin	ug/L	0.050	0.050	<0.050	<0.050
Trout Bioassay	Pass/Fail			NA	Fail
Surrogate: 2-Fluorobiphenyl	%			84.9	84.1
Surrogate: Decachlorobiphenyl	%			118.7	109.7
Surrogate: Tetrachloro-m-xylene	%			99.9	89.0
Surrogate: Tri-n-propyltin	%			87	73
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00174	0.00155
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000250	0.000063
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0045	0.0067
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.0691	0.0118
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00399	0.000691
Mercury (Hg)-Total	ng/L	1.0	1.0	35.5	5.5
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.0554	0.00982
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0066	0.0075
Selenium (Se)-Total	mg/L	0.0010	0.0010	<0.0010	<0.0010
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.0901	0.0297
Dioxins and Furans					
2378 TCDD	pg/L	0.59	0.55	<0.59	<0.55
12378 PeCDD	pg/L	0.92	0.81	<0.92	<0.81
123478 HxCDD	pg/L	0.27	0.26	<0.27	<0.26
123678 HxCDD	pg/L	0.33	0.32	<0.33	<0.32
123789 HxCDD	pg/L	0.30	0.29	<0.30	<0.29
1234678 HpCDD	pg/L	0.36	0.33	9.88	1.89
OCDD	pg/L	0.50	0.40	97.7	8.71
Total TCDD	pg/L	0.59	0.55	<0.59	<0.55
Total PeCDD	pg/L	0.92	0.81	2.45	<0.81
Total HxCDD	pg/L	0.33	0.32	<0.33	<0.32
Total HpCDD	pg/L	0.36	0.33	19.2	3.71
2378 TCDF	pg/L	0.35	0.33	<0.35	<0.33
12378 PeCDF	pg/L	0.50	0.43	<0.50	<0.43
23478 PeCDF	pg/L	0.45	0.40	0.68	<0.40
123478 HxCDF	pg/L	0.19	0.19	0.36	<0.19
123678 HxCDF	pg/L	0.19	0.19	<0.19	<0.19
123789 HxCDF	pg/L	0.21	0.19	<0.21	0.29
234678 HxCDF	pg/L	0.18	0.21	0.54	<0.21
1234678 HpCDF	pg/L	0.26	0.25	1.50	0.60
1234789 HpCDF	pg/L	0.33	0.31	0.41	<0.31
OCDF	pg/L	0.35	0.28	5.82	0.60
Total TCDF	pg/L	0.35	0.33	<0.35	1.04
Total PeCDF	pg/L	0.50	0.43	<0.50	<0.43
Total HxCDF	pg/L	0.21	0.21	<0.21	<0.21
Total HpCDF	pg/L	0.33	0.31	<0.33	0.60

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

4'th Quarter Sampling Parameter	November 14, 2012			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Lower Bound PCDD/F TEQ (WHO 2005)	pg/L			0.130	0.0275
Mid Point PCDD/F TEQ (WHO 2005)	pg/L			1.29	0.894
Upper Bound PCDD/F TEQ (WHO 2005)	pg/L			2.13	1.73
Surrogate: 13C12 2378 TCDD	%			76.0	77.0
Surrogate: 13C12 12378 PeCDD	%			54.0	57.0
Surrogate: 13C12 123478 HxCDD	%			78.0	86.0
Surrogate: 13C12 123678 HxCDD	%			66.0	75.0
Surrogate: 13C12 1234678 HpCDD	%			59.0	74.0
Surrogate: 13C12 OCDD	%			47.0	63.0
Surrogate: 13C12 2378 TCDF	%			77.0	82.0
Surrogate: 13C12 12378 PeCDF	%			59.0	66.0
Surrogate: 13C12 23478 PeCDF	%			59.0	64.0
Surrogate: 13C12 123478 HxCDF	%			70.0	76.0
Surrogate: 13C12 123678 HxCDF	%			68.0	78.0
Surrogate: 13C12 234678 HxCDF	%			74.0	81.0
Surrogate: 13C12 123789 HxCDF	%			72.0	83.0
Surrogate: 13C12 1234678 HpCDF	%			64.0	76.0
Surrogate: 13C12 1234789 HpCDF	%			63.0	75.0
Surrogate: 37C14 2378 TCDD	%			78.0	78.0
EPA 8270 Extractables					
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-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	100	1.0	<100	<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-Methylnaphthalene	ug/L	4.0	0.40	6.5	<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	156	<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

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

4'th Quarter Sampling Parameter	November 14, 2012			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
4-Chlorophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
5-Nitroacenaphthene	ug/L	4.0	0.40	<4.0	<0.40
Acenaphthene	ug/L	2.0	0.20	<2.0	<0.20
Acenaphthylene	ug/L	2.0	0.20	<2.0	<0.20
Anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)pyrene	ug/L	0.50	0.050	<0.50	<0.050
Benzo(b)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(ghi)perylene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(k)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Biphenyl	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethoxy)methane	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroisopropyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	20	2.0	<20	2.5
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	5.5	1.0	158	<1.0
Dibenzo(a,h)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Dibenzofuran	ug/L	2.0	0.20	<2.0	<0.20
Diethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Dimethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Di-n-butylphthalate	ug/L	20	2.0	<20	<2.0
Di-n-octylphthalate	ug/L	4.0	0.40	<4.0	<0.40
Diphenyl ether	ug/L	4.0	0.40	<4.0	<0.40
Diphenylamine	ug/L	4.0	0.40	<4.0	<0.40
Fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Fluorene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorobenzene	ug/L	0.40	0.040	<0.40	<0.040
Hexachlorobutadiene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorocyclopentadiene	ug/L	4.0	0.40	<4.0	<0.40
Hexachloroethane	ug/L	4.0	0.40	<4.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	2.0	0.20	<2.0	<0.20
Indole	ug/L	4.0	0.40	28.4	<0.40
Isophorone	ug/L	4.0	0.40	<4.0	<0.40
Naphthalene	ug/L	2.0	0.20	<2.0	<0.20
Nitrobenzene	ug/L	4.0	0.40	<4.0	<0.40
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	36	<0.50
Pyrene	ug/L	2.0	0.20	<2.0	<0.20
Surrogate: 2-Fluorobiphenyl	%			81.1	80.7
Surrogate: 2,4,6-Tribromophenol	%			0.0	117.3
Surrogate: Nitrobenzene d5	%			128.8	96.8
Surrogate: p-Terphenyl d14	%			96.9	77.5
Surrogate: Phenol d5	%			63.6	61.7

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

4'th Quarter Sampling	November 14, 2012			NEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Low Level Nonylphenols and Ethoxylates					
Bisphenol A	ug/L	0.20	0.20	0.24	0.20
Nonylphenols	ug/L	1.0	1.0	<1.0	<1.0
Nonylphenol Monoethoxylates	ug/L	2.0	2.0	3.5	<2.0
Nonylphenol Diethoxylates	ug/L	0.10	0.10	1.92	<0.10
Total Nonylphenol Ethoxylates	ug/L	2.0	2.0	5.4	<2.0
Octylphenol	ug/L	1.0	1.0	<1.0	<1.0
Octylphenol Monoethoxylate	ug/L	2.0	2.0	<2.0	<2.0
Octylphenol Diethoxylate	ug/L	0.10	0.10	0.18	<0.10
Total Octylphenol Ethoxylates	ug/L	2.0	2.0	<2.0	<2.0
Octachlorostyrene					
Octachlorostyrene	ug/L	0.50	0.050	<0.50	<0.050
Surrogate: 2-Fluorobiphenyl	%			137.2	74.9
Surrogate: p-Terphenyl d14	%			101.2	90.6
PCB					
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	0.00030	0.00030	<0.00030	<0.00030
Surrogate: Decachlorobiphenyl	%			82	82
Pesticides, Organochlorine					
a-chlordane	ug/L	10	0.10	<10	<0.10
Aldrin	ug/L	10	0.10	<10	<0.10
alpha-BHC	ug/L	10	0.10	<10	<0.10
alpha-Endosulfan	ug/L	10	0.10	<10	<0.10
beta-BHC	ug/L	10	0.10	<10	<0.10
beta-Endosulfan	ug/L	10	0.10	<10	<0.10
delta-BHC	ug/L	10	0.10	<10	<0.10
Dieldrin	ug/L	10	0.10	<10	<0.10
Endosulfan Sulfate	ug/L	10	0.10	<10	<0.10
Endrin	ug/L	10	0.10	<10	<0.10
Endrin Aldehyde	ug/L	10	0.10	<10	<0.10
g-chlordane	ug/L	10	0.10	<10	<0.10
Heptachlor	ug/L	10	0.10	<10	<0.10
Heptachlor Epoxide	ug/L	10	0.10	<10	<0.10
Lindane	ug/L	10	0.10	<10	<0.10
Methoxychlor	ug/L	10	0.10	<10	<0.10
Mirex	ug/L	10	0.10	<10	<0.10
o,p-DDE	ug/L	10	0.10	<10	<0.10
op-DDD	ug/L	10	0.10	<10	<0.10
op-DDT	ug/L	10	0.10	<10	<0.10
Oxychlordane	ug/L	10	0.10	<10	<0.10
pp-DDD	ug/L	10	0.10	<10	<0.10
pp-DDE	ug/L	10	0.10	<10	<0.10

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

4'th Quarter Sampling Parameter	November 14, 2012			NEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
pp-DDT	ug/L	10	0.10	<10	<0.10
Surrogate: 2-Fluorobiphenyl	%			0.0	74.2
Surrogate: d14-Terphenyl	%			0.0	70.6
Phenoxyacid Herbicides by GC/MS					
2,4,5-T	ug/L	5.0	0.50	<5.0	<0.50
2,4,5-TP	ug/L	5.0	0.50	<5.0	<0.50
2,4-D	ug/L	5.0	0.50	12.4	<0.50
2,4-DP	ug/L	5.0	0.50	<5.0	<0.50
Bromoxynil	ug/L	5.0	0.50	<5.0	<0.50
Dicamba	ug/L	5.0	0.50	48.5	<0.50
Dinoseb	ug/L	5.0	0.50	<5.0	<0.50
MCPA	ug/L	5.0	0.50	6.1	<0.50
Mecoprop	ug/L	5.0	0.50	<5.0	<0.50
Picloram	ug/L	5.0	0.50	<5.0	<0.50
Surrogate: 2,4-Dichlorophenylacetic Acid	%			82.7	108.8
Volatile Organics					
1,1,1,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dibromoethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloropropane	ug/L	0.50	0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
2-Hexanone	ug/L	20	20	<20	<20
Acetone	ug/L	20	20	80	<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	0.61	<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	2.38	2.09
Chloromethane	ug/L	1.0	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	ug/L	0.50	0.50	2.65	<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	0.62
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

**City Of Winnipeg
Water Waste Department**

North End Water Pollution Control Centre Quarterly Monitoring Report

4'th Quarter Sampling Parameter	November 14, 2012			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	1.25	1.02
Toluene	ug/L	0.50	0.50	2.91	<0.50
trans-1,2-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
trans-1,3-Dichloropropene	ug/L	0.50	0.50	<0.50	<0.50
Trichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Trihalomethanes (total)	ug/L	2.0	2.0	2.4	<2.0
Vinyl chloride	ug/L	0.50	0.50	0.83	<0.50
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5
Surrogate: 1,2-Dichloroethane d4	%			123.2	97.0
Surrogate: Toluene-d8	%			97.2	98.1
Surrogate: 4-Bromofluorobenzene	%			92.0	102.2

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

All parameters were analyzed by contract laboratory.