

**City Of Winnipeg  
Water Waste Department**

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

1'st Quarter Sampling	February 11, 2010			SEWPC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Miscellaneous</b>					
Chromium, Hexavalent	mg/L	0.0010	0.0010	<0.0010	<0.0010
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0718	0.0061
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	5.0	1.0	63.9	1.1
Toxaphene	mg/L	0.50	0.50	<0.50	<0.50
Tributyltin	ug/L	0.001	0.001	0.001	<0.001
Trout Bioassay	Pass/Fail			NA	Fail
<b>Total Metals by ICP-MS</b>					
Arsenic (As)-Total	mg/L	0.00050	0.00050	0.0015	0.00111
Cadmium (Cd)-Total	mg/L	0.00020	0.00020	0.00022	<0.00020
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0037	0.0014
Copper (Cu)-Total	mg/L	0.0010	0.0010	0.115	0.0376
Lead (Pb)-Total	mg/L	0.00050	0.00050	0.00370	0.00116
Mercury (Hg)-Total	ng/L	1.0	1.0	20.5	16.3
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00935	0.00822
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0343	0.0069
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0020	0.0012
Zinc (Zn)-Total	mg/L	0.010	0.010	0.146	0.063
<b>Dioxins and Furans</b>					
2378 TeCDD	pg/L	0.80	1.0	<0.80	<1.0
12378 PeCDD	pg/L	0.30	0.30	<0.30	<0.30
123478 HxCDD	pg/L	0.50	0.40	<0.50	<0.40
123678 HxCDD	pg/L	0.70	0.50	<0.70	<0.50
123789 HxCDD	pg/L	0.60	0.50	<0.60	<0.50
1234678 HpCDD	pg/L	0.60	0.40	9.26	<0.40
OCDD	pg/L	2.0	0.60	83.6	12.9
Total TCDD	pg/L	0.80	1.0	<0.80	<1.0
Total PeCDD	pg/L	0.30	0.30	<0.30	<0.30
Total HxCDD	pg/L	0.70	0.50	<0.70	<0.50
Total HpCDD	pg/L	0.60	0.40	18.2	<0.40
Total PCDDs	pg/L	2.0	1.0	102	12.9
2378 TeCDF	pg/L	0.50	1.0	<0.50	<1.0
12378 PeCDF	pg/L	0.20	0.20	<0.20	<0.20
23478 PeCDF	pg/L	0.20	0.30	<0.20	<0.30
123478 HxCDF	pg/L	0.20	0.10	<0.20	<0.10
123678 HxCDF	pg/L	0.20	0.10	<0.20	<0.10
123789 HxCDF	pg/L	0.30	0.20	<0.30	<0.20
234678 HxCDF	pg/L	0.30	0.10	2.37	<0.10
1234678 HpCDF	pg/L	0.40	0.20	5.49	<0.20
1234789 HpCDF	pg/L	0.60	0.30	<0.60	<0.30
OCDF	pg/L	1.0	0.60	10.4	<0.60
Total TCDF	pg/L	0.50	1.0	<0.50	<1.0
Total PeCDF	pg/L	0.20	0.30	<0.20	<0.30
Total HxCDF	pg/L	0.30	0.20	2.37	<0.20
Total HpCDF	pg/L	0.60	0.30	5.81	<0.30
Total PCDFs	pg/L	1.0	1.0	18.6	<1.0
Total TEQ (ND=0) (WHO Calc)	pg/L			0.41	0
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			1.15	0.85

**City Of Winnipeg  
Water Waste Department**

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

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Total TEQ (ND=DL) (WHO Calc)	pg/L				1.88	1.7
13C12 2378 TeCDD	%				27	18
13C12 12378 PeCDD	%				44	36
13C12 123478 HxCDD	%				45	50
13C12 123678 HxCDD	%				44	45
13C12 1234678 HpCDD	%				46	67
13C12 OCDD	%				39	58
13C12 2378 TeCDF	%				37	17
13C12 12378 PeCDF	%				52	49
13C12 23478 PeCDF	%				48	36
13C12 123478 HxCDF	%				57	67
13C12 123678 HxCDF	%				53	71
13C12 234678 HxCDF	%				50	65
13C12 123789 HxCDF	%				52	66
13C12 1234678 HpCDF	%				47	72
13C12 1234789 HpCDF	%				48	73
37C14 2378 TeCDD	%				35	18
<b>EPA 8270 Extractables</b>						
1,2,3-Trichlorobenzene	ug/L	4.0	0.40		<4.0	<0.40
1,2,4-Trichlorobenzene	ug/L	4.0	0.40		<4.0	<0.40
1,2-Dichlorobenzene	ug/L	4.0	0.40		<4.0	<0.40
1,3-Dichlorobenzene	ug/L	4.0	0.40		<4.0	<0.40
1,4-Dichlorobenzene	ug/L	4.0	0.40		<4.0	<0.40
1-Chloronaphthalene	ug/L	4.0	0.40		<4.0	<0.40
1-Methylnaphthalene	ug/L	4.0	0.40		<4.0	<0.40
2,3,4,5-Tetrachlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,3,4,6-Tetrachlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,3,4-Trichlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,3,5,6-Tetrachlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,3,5-Trichlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,4,5-Trichlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,4,6-Tribromophenol	%				123	130
2,4,6-Trichlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,4-Dichlorophenol	ug/L	3.0	0.30		<3.0	<0.30
2,4-Dimethylphenol	ug/L	5.0	0.50		<5.0	<0.50
2,4-Dinitrophenol	ug/L	10	1.0		<10	<1.0
2,4-Dinitrotoluene	ug/L	4.0	0.40		<4.0	<0.40
2,6-Dichlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,6-Dinitrotoluene	ug/L	4.0	0.40		<4.0	<0.40
2-Chloronaphthalene	ug/L	4.0	0.40		<4.0	<0.40
2-Chlorophenol	ug/L	3.0	0.30		<3.0	<0.30
2-Fluorobiphenyl	%				67	58
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		76.4	<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**

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

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	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	21	<2.0
Butylbenzyl phthalate	ug/L	4.0	0.40	21.8	<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	76	<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	82.4	<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
Nitrobenzene d5	%			91	84
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	14.2	<0.50
Phenol d5	%			19	17
p-Terphenyl d14	%			69	71
Pyrene	ug/L	2.0	0.20	<2.0	<0.20
<b>Low Level Nonylphenols and Ethoxylates</b>					
Nonylphenols	ug/L	1.2	0.76	2.5	1.36
Nonylphenol Monoethoxylates	ug/L	0.5	0.50	8.02	1.00

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Water Waste Department**

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

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Nonylphenol Diethoxylates	ug/L	2	1.2	3.9	<1.2
Nonylphenol Triethoxylates	ug/L	0.76	2.0	4.61	<2.0
t-Octylphenol	ug/L	0.02	0.020	0.311	0.209
t-Octylphenol Monoethoxylate	ug/L	0.2	0.10	<0.20	<0.10
t-Octylphenol Diethoxylate	ug/L	0.1	0.20	0.29	<0.20
t-Octylphenol Triethoxylate	ug/L	0.5	0.50	<0.50	<0.50
TOTAL TEQ (CCME)	ug/L			12	2.1
<b>PCB</b>					
Aroclor 1016	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1221	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1232	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1242	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1248	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1254	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1260	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1262	mg/L	0.00020	0.00020	<0.00020	<0.00020
Aroclor 1268	mg/L	0.00020	0.00020	<0.00020	<0.00020
Total PCBs	mg/L	0.00020	0.00020	<0.00020	<0.00020
Decachlorobiphenyl	%			38	75
<b>Pesticides, Organochlorine</b>					
2-Fluorobiphenyl	%			46	60
a-chlordane	ug/L	0.10	0.10	<0.10	<0.10
Aldrin	ug/L	0.10	0.10	<0.10	<0.10
alpha-BHC	ug/L	0.10	0.10	<0.10	<0.10
alpha-Endosulfan	ug/L	2.0	0.10	<2.0	<0.10
beta-BHC	ug/L	0.10	0.10	<0.10	<0.10
beta-Endosulfan	ug/L	0.10	0.10	<0.10	<0.10
d14-Terphenyl	%			37	78
delta-BHC	ug/L	0.10	0.10	<0.10	<0.10
Dieldrin	ug/L	0.82	0.28	<0.82	<0.28
Endosulfan Sulfate	ug/L	0.10	0.10	<0.10	<0.10
Endrin	ug/L	0.10	0.12	<0.10	<0.12
Endrin Aldehyde	ug/L	0.22	0.10	<0.22	<0.10
g-chlordane	ug/L	0.10	0.10	<0.10	<0.10
Heptachlor	ug/L	0.10	0.10	<0.10	<0.10
Heptachlor Epoxide	ug/L	0.10	0.10	<0.10	<0.10
Lindane	ug/L	0.10	0.10	<0.10	<0.10
Methoxychlor	ug/L	0.10	0.10	<0.10	<0.10
Mirex	ug/L	0.10	0.10	<0.10	<0.10
o,p-DDE	ug/L	0.10	0.10	<0.10	<0.10
op-DDD	ug/L	0.10	0.12	<0.10	<0.12
op-DDT	ug/L	0.10	0.10	<0.10	<0.10
Oxychlordane	ug/L	0.38	0.10	<0.38	<0.10
pp-DDD	ug/L	0.10	0.10	<0.10	<0.10
pp-DDE	ug/L	0.10	0.10	<0.10	<0.10
pp-DDT	ug/L	0.10	0.10	<0.10	<0.10
<b>Phenoxyacid Herbicides by GC/MS</b>					
2,4,5-T	ug/L	5.0	0.50	<5.0	<0.50
2,4,5-TP	ug/L	5.0	0.50	<5.0	<0.50

**City Of Winnipeg  
Water Waste Department**

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2,4-D	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dichlorophenylacetic Acid	%			75	99
Bromoxynil	ug/L	5.0	0.50	<5.0	<0.50
Dicamba	ug/L	5.0	0.50	<5.0	<0.50
Dinoseb	ug/L	5.0	0.50	<5.0	<0.50
MCPA	ug/L	5.0	0.50	<5.0	<0.50
Mecoprop	ug/L	5.0	0.50	<5.0	<0.50
Picloram	ug/L	5.0	0.50	<5.0	<0.50
<b>Target Compounds by GC/MS</b>					
2-Fluorobiphenyl	%			110	96
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.0050	0.00050	<0.0050	<0.00050
Dinitropyrene	mg/L	0.20	0.020	<0.20	<0.020
Octachlorostyrene	mg/L	0.0050	0.00050	<0.0050	<0.00050
p-Terphenyl d14	%			142	105
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dibromoethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane d4	%			103	103
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
4-Bromofluorobenzene	%			97	96
Acetone	ug/L	20	20	61	<20
Benzene	ug/L	0.50	0.50	<0.50	<0.50
Bromodichloromethane	ug/L	0.50	0.50	<0.50	<0.50
Bromoform	ug/L	0.50	0.50	<0.50	<0.50
Bromomethane	ug/L	3.0	2.0	<3.0	<2.0
Carbon Disulfide	ug/L	0.50	0.50	0.69	<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	7.65	5.87
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	<0.50	2.66
Ethyl Benzene	ug/L	0.50	0.50	<0.50	<0.50
m+p-Xylenes	ug/L	1.0	1.0	<1.0	<1.0
Methyl Ethyl Ketone	ug/L	20	20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	20	<20	<20

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MTBE	ug/L	0.50	0.50	<0.50	<0.50
o-Xylene	ug/L	0.50	0.50	<0.50	<0.50
Styrene	ug/L	0.50	0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Toluene	ug/L	0.50	0.50	4.84	0.61
Toluene-d8	%			101	100
trans-1,2-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
trans-1,3-Dichloropropene	ug/L	0.50	0.50	<0.50	<0.50
Trichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Trihalomethanes (total)	ug/L	2.0	2.0	7.7	5.9
Vinyl chloride	ug/L	0.50	0.50	<0.50	<0.50
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5

**NOTES:**

MDL- Method Detection Limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

<- less than

NA- not analyzed

NR- not reported

*All parameters were analyzed by contract laboratory.*

**City Of Winnipeg  
Water Waste Department**

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

2'nd Quarter Sampling Parameter	May 13, 2010			SEWPC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Miscellaneous</b>					
Chromium, Hexavalent	mg/L	0.0010	0.0010	<0.0010	<0.0010
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0870	0.0033
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	1.0	1.0	34.6	<1.0
Toxaphene	mg/L	0.00010	0.00010	<0.00010	<0.00010
Tributyltin	ug/L	0.0010	0.0010	0.0033	<0.0010
Trout Bioassay	Pass/Fail			NA	Fail
<b>Total Metals by ICP-MS</b>					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00157	0.00128
Cadmium (Cd)-Total	mg/L	0.00001	0.00001	0.000096	0.000032
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0019	<0.0010
Copper (Cu)-Total	mg/L	0.0002	0.0002	0.0652	0.0156
Lead (Pb)-Total	mg/L	0.00009	0.00009	0.00185	0.000654
Mercury (Hg)-Total	ng/L	1.0	1.0	31.5	8.8
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00624	0.00857
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.008	0.0053
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0017	<0.0010
Zinc (Zn)-Total	mg/L	0.005	0.005	0.0829	0.0377
<b>Dioxins and Furans</b>					
2378 TeCDD	pg/L	0.50	0.50	<0.50	<0.50
12378 PeCDD	pg/L	0.40	0.40	<0.40	<0.40
123478 HxCDD	pg/L	0.40	0.40	2.39	<0.40
123678 HxCDD	pg/L	0.60	0.50	5.01	<0.50
123789 HxCDD	pg/L	0.50	0.40	4.41	<0.40
1234678 HpCDD	pg/L	0.40	0.40	8.11	4.61
OCDD	pg/L	1.0	0.80	40.7	20.1
Total TCDD	pg/L	0.50	0.50	<0.50	<0.50
Total PeCDD	pg/L	0.40	0.40	<0.40	<0.40
Total HxCDD	pg/L	0.60	0.50	10.2	<0.50
Total HpCDD	pg/L	0.40	0.40	14.4	14.4
Total PCDDs	pg/L	1.0	0.80	65.2	34.5
2378 TeCDF	pg/L	0.40	0.30	<0.40	<0.30
12378 PeCDF	pg/L	0.30	0.30	<0.30	<0.30
23478 PeCDF	pg/L	0.20	0.20	<0.20	<0.20
123478 HxCDF	pg/L	0.30	0.20	3.73	<0.20
123678 HxCDF	pg/L	0.30	0.20	3.85	1.54
123789 HxCDF	pg/L	0.40	0.20	4.13	1.16
234678 HxCDF	pg/L	0.30	0.20	3.55	0.89
1234678 HpCDF	pg/L	0.80	0.70	3.57	<0.70
1234789 HpCDF	pg/L	0.90	0.90	2.71	<0.90
OCDF	pg/L	0.80	0.80	10.5	<0.80
Total TCDF	pg/L	0.40	0.30	<0.40	<0.30
Total PeCDF	pg/L	0.30	0.30	3.92	<0.30
Total HxCDF	pg/L	0.40	0.20	15.8	5.52
Total HpCDF	pg/L	0.90	0.90	6.28	<0.90
Total PCDFs	pg/L	0.90	0.90	36.5	5.52
Total TEQ (ND=0) (WHO Calc)	pg/L			2.86	0.41
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			3.37	0.99

**City Of Winnipeg  
Water Waste Department**

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

2'nd Quarter Sampling Parameter	May 13, 2010			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Total TEQ (ND=DL) (WHO Calc)	pg/L			3.87	1.58
13C12 2378 TeCDD	%			75	82
13C12 12378 PeCDD	%			73	78
13C12 123478 HxCDD	%			75	73
13C12 123678 HxCDD	%			59	62
13C12 1234678 HpCDD	%			64	61
13C12 OCDD	%			51	49
13C12 2378 TeCDF	%			74	82
13C12 12378 PeCDF	%			68	74
13C12 23478 PeCDF	%			76	84
13C12 123478 HxCDF	%			63	63
13C12 123678 HxCDF	%			68	66
13C12 234678 HxCDF	%			65	66
13C12 123789 HxCDF	%			65	65
13C12 1234678 HpCDF	%			59	60
13C12 1234789 HpCDF	%			59	58
37C14 2378 TeCDD	%			67	73
<b>EPA 8270 Extractables</b>					
1,2,3-Trichlorobenzene	ug/L	0.40	0.40	<0.40	<0.40
1,2,4-Trichlorobenzene	ug/L	0.40	0.40	<0.40	<0.40
1,2-Dichlorobenzene	ug/L	0.40	0.40	<0.40	<0.40
1,3-Dichlorobenzene	ug/L	0.40	0.40	<0.40	<0.40
1,4-Dichlorobenzene	ug/L	0.40	0.40	<0.40	<0.40
1-Chloronaphthalene	ug/L	0.40	0.40	<0.40	<0.40
1-Methylnaphthalene	ug/L	0.40	0.40	<0.40	<0.40
2,3,4,5-Tetrachlorophenol	ug/L	0.50	0.50	<0.50	<0.50
2,3,4,6-Tetrachlorophenol	ug/L	0.50	0.50	<0.50	<0.50
2,3,4-Trichlorophenol	ug/L	0.50	0.50	<0.50	<0.50
2,3,5,6-Tetrachlorophenol	ug/L	0.50	0.50	<0.50	<0.50
2,3,5-Trichlorophenol	ug/L	0.50	0.50	<0.50	<0.50
2,4,5-Trichlorophenol	ug/L	0.50	0.50	<0.50	<0.50
2,4,6-Tribromophenol	%			127	116
2,4,6-Trichlorophenol	ug/L	0.50	0.50	<0.50	<0.50
2,4-Dichlorophenol	ug/L	0.30	0.30	<0.30	<0.30
2,4-Dimethylphenol	ug/L	0.50	0.50	<0.50	<0.50
2,4-Dinitrophenol	ug/L	1.0	1.0	<1.0	<1.0
2,4-Dinitrotoluene	ug/L	0.40	0.40	<0.40	<0.40
2,6-Dichlorophenol	ug/L	0.50	0.50	<0.50	<0.50
2,6-Dinitrotoluene	ug/L	0.40	0.40	<0.40	<0.40
2-Chloronaphthalene	ug/L	0.40	0.40	<0.40	<0.40
2-Chlorophenol	ug/L	0.30	0.30	<0.30	<0.30
2-Fluorobiphenyl	%			77	67
2-Methylnaphthalene	ug/L	0.40	0.40	<0.40	<0.40
2-Methylphenol	ug/L	0.50	0.50	<0.50	<0.50
2-Nitrophenol	ug/L	0.50	0.50	<0.50	<0.50
3&4-Methylphenol	ug/L	0.50	0.50	72.8	<0.50
3,3'-Dichlorobenzidine	ug/L	0.40	0.40	<0.40	<0.40
4,6-Dinitro-2-methylphenol	ug/L	2.0	2.0	<2.0	<2.0
4-Bromophenyl phenyl ether	ug/L	0.40	0.40	<0.40	<0.40
4-Chloro-3-methylphenol	ug/L	0.50	0.50	<0.50	<0.50
4-Chloroaniline	ug/L	0.40	0.40	<0.40	<0.40

**City Of Winnipeg  
Water Waste Department**

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

2'nd Quarter Sampling Parameter	May 13, 2010			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
				Grab	Grab
4-Chlorophenyl phenyl ether	ug/L	0.40	0.40	<0.40	<0.40
4-Nitrophenol	ug/L	0.50	0.50	<0.50	<0.50
5-Nitroacenaphthene	ug/L	0.40	0.40	<0.40	<0.40
Acenaphthene	ug/L	0.20	0.20	<0.20	<0.20
Acenaphthylene	ug/L	0.20	0.20	<0.20	<0.20
Anthracene	ug/L	0.20	0.20	<0.20	<0.20
Benzo(a)anthracene	ug/L	0.20	0.20	<0.20	<0.20
Benzo(a)pyrene	ug/L	0.050	0.050	<0.050	<0.050
Benzo(b)fluoranthene	ug/L	0.20	0.20	<0.20	<0.20
Benzo(ghi)perylene	ug/L	0.20	0.20	<0.20	<0.20
Benzo(k)fluoranthene	ug/L	0.20	0.20	<0.20	<0.20
Biphenyl	ug/L	0.40	0.40	<0.40	<0.40
Bis(2-chloroethoxy)methane	ug/L	0.40	0.40	<0.40	<0.40
Bis(2-chloroethyl)ether	ug/L	0.40	0.40	<0.40	<0.40
Bis(2-chloroisopropyl)ether	ug/L	0.40	0.40	<0.40	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	2.0	2.0	5.7	<2.0
Butylbenzyl phthalate	ug/L	0.40	0.40	1.68	<0.40
Camphene	ug/L	0.40	0.40	<0.40	<0.40
Chrysene	ug/L	0.20	0.20	<0.20	<0.20
Cresols (total)	ug/L	1.0	1.0	72.8	<1.0
Dibenzo(a,h)anthracene	ug/L	0.20	0.20	<0.20	<0.20
Dibenzofuran	ug/L	0.20	0.20	<0.20	<0.20
Diethylphthalate	ug/L	0.20	0.20	1.44	<0.20
Dimethylphthalate	ug/L	0.20	0.20	<0.20	<0.20
Di-n-butylphthalate	ug/L	2.0	2.0	<2.0	<2.0
Di-n-octylphthalate	ug/L	0.40	0.40	<0.40	<0.40
Diphenyl ether	ug/L	0.40	0.40	<0.40	<0.40
Diphenylamine	ug/L	0.40	0.40	<0.40	<0.40
Fluoranthene	ug/L	0.20	0.20	<0.20	<0.20
Fluorene	ug/L	0.20	0.20	<0.20	<0.20
Hexachlorobenzene	ug/L	0.040	0.040	<0.040	<0.040
Hexachlorobutadiene	ug/L	0.20	0.20	<0.20	<0.20
Hexachlorocyclopentadiene	ug/L	0.40	0.40	<0.40	<0.40
Hexachloroethane	ug/L	0.40	0.40	<0.40	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	0.20	0.20	<0.20	<0.20
Indole	ug/L	0.40	0.40	7.47	<0.40
Isophorone	ug/L	0.40	0.40	<0.40	<0.40
Naphthalene	ug/L	0.20	0.20	<0.20	<0.20
Nitrobenzene	ug/L	0.40	0.40	<0.40	<0.40
Nitrobenzene d5	%			116	92
N-Nitroso-di-n-propylamine	ug/L	0.40	0.40	<0.40	<0.40
Pentachlorophenol	ug/L	0.50	0.50	<0.50	<0.50
Perylene	ug/L	0.20	0.20	<0.20	<0.20
Phenanthrene	ug/L	0.20	0.20	<0.20	<0.20
Phenol	ug/L	0.50	0.50	26.2	<0.50
Phenol d5	%			88	58
p-Terphenyl d14	%			50	83
Pyrene	ug/L	0.20	0.20	<0.20	<0.20
<b>Low Level Nonylphenols and Ethoxylates</b>					
Nonylphenols	ug/L	0.10	0.10	5.07	1.96
Nonylphenol Monoethoxylates	ug/L	0.50	0.50	15.8	0.95

**City Of Winnipeg  
Water Waste Department**

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

2'nd Quarter Sampling Parameter	May 13, 2010			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Nonylphenol Diethoxylates	ug/L	1.2	1.2	2.3	1.6
Nonylphenol Triethoxylates	ug/L	2.0	2.0	4.7	2.1
t-Octylphenol	ug/L	0.020	0.020	0.285	0.386
t-Octylphenol Monoethoxylate	ug/L	0.10	0.10	0.27	0.20
t-Octylphenol Diethoxylate	ug/L	0.20	0.20	<0.20	1.63
t-Octylphenol Triethoxylate	ug/L	0.50	0.50	<0.50	0.58
TOTAL TEQ (CCME)	ug/L			17	5.8
<b>PCB</b>					
Aroclor 1016	mg/L	0.00050	0.000050	<0.00050	<0.000050
Aroclor 1221	mg/L	0.00050	0.000050	<0.00050	<0.000050
Aroclor 1232	mg/L	0.00050	0.000050	<0.00050	<0.000050
Aroclor 1242	mg/L	0.00050	0.000050	<0.00050	<0.000050
Aroclor 1248	mg/L	0.00050	0.000050	<0.00050	<0.000050
Aroclor 1254	mg/L	0.00050	0.000050	<0.00050	<0.000050
Aroclor 1260	mg/L	0.00050	0.000050	<0.00050	<0.000050
Aroclor 1262	mg/L	0.00050	0.000050	<0.00050	<0.000050
Aroclor 1268	mg/L	0.00050	0.000050	<0.00050	<0.000050
Total PCBs	mg/L	0.00050	0.000050	<0.00050	<0.000050
Decachlorobiphenyl	%			68	93
<b>Pesticides, Organochlorine</b>					
2-Fluorobiphenyl	%			40	38
a-chlordane	ug/L	1.0	0.10	<1.0	<0.10
Aldrin	ug/L	1.0	0.10	<1.0	<0.10
alpha-BHC	ug/L	1.0	0.10	<1.0	<0.10
alpha-Endosulfan	ug/L	1.0	0.10	<1.0	<0.10
beta-BHC	ug/L	1.0	0.10	<1.0	<0.10
beta-Endosulfan	ug/L	1.0	0.10	<1.0	<0.10
d14-Terphenyl	%			30	59
delta-BHC	ug/L	1.0	0.10	<1.0	<0.10
Dieldrin	ug/L	1.0	0.10	<1.0	<0.10
Endosulfan Sulfate	ug/L	1.0	0.10	<1.0	<0.10
Endrin	ug/L	1.0	0.10	<1.0	<0.10
Endrin Aldehyde	ug/L	1.0	0.10	<1.0	<0.10
g-chlordane	ug/L	1.0	0.10	<1.0	<0.10
Heptachlor	ug/L	1.0	0.10	<1.0	<0.10
Heptachlor Epoxide	ug/L	1.0	0.10	<1.0	<0.10
Lindane	ug/L	1.0	0.10	<1.0	<0.10
Methoxychlor	ug/L	1.0	0.10	<1.0	<0.10
Mirex	ug/L	1.0	0.10	<1.0	<0.10
o,p-DDE	ug/L	2.0	0.10	<2.0	<0.10
op-DDD	ug/L	1.0	0.10	<1.0	<0.10
op-DDT	ug/L	1.0	0.10	<1.0	<0.10
Oxychlordane	ug/L	1.0	0.10	<1.0	<0.10
pp-DDD	ug/L	1.0	0.10	<1.0	<0.10
pp-DDE	ug/L	1.0	0.10	<1.0	<0.10
pp-DDT	ug/L	1.0	0.10	<1.0	<0.10
<b>Phenoxyacid Herbicides by GC/MS</b>					
2,4,5-T	ug/L	5.0	0.50	<5.0	<0.50
2,4,5-TP	ug/L	5.0	0.50	<5.0	<0.50

**City Of Winnipeg  
Water Waste Department**

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

2'nd Quarter Sampling Parameter	May 13, 2010			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
2,4-D	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dichlorophenylacetic Acid	%			88	90
Bromoxynil	ug/L	5.0	0.50	<5.0	<0.50
Dicamba	ug/L	5.0	0.50	<5.0	<0.50
Dinoseb	ug/L	5.0	0.50	<5.0	<0.50
MCPA	ug/L	5.0	0.50	<5.0	<0.50
Mecoprop	ug/L	5.0	0.50	<5.0	<0.50
Picloram	ug/L	5.0	0.50	<5.0	<0.50
<b>Target Compounds by GC/MS</b>					
2-Fluorobiphenyl	%			81	65
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.0050	0.00050	<0.0050	<0.00050
Dinitropyrene	mg/L	0.20	0.020	<0.20	<0.020
Octachlorostyrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
p-Terphenyl d14	%			95	82
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dibromoethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane d4	%			122	121
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	0.61
2-Hexanone	ug/L	20	20	<20	<20
4-Bromofluorobenzene	%			94	99
Acetone	ug/L	20	20	50	530
Benzene	ug/L	0.50	0.50	<0.50	<0.50
Bromodichloromethane	ug/L	0.50	0.50	<0.50	<0.50
Bromoform	ug/L	0.50	0.50	<0.50	<0.50
Bromomethane	ug/L	1.0	1.0	<1.0	<1.0
Carbon Disulfide	ug/L	0.50	0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	0.50	0.50	<0.50	<0.50
Chlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
Chloroethane	ug/L	1.0	1.0	<1.0	<1.0
Chloroform	ug/L	0.50	0.50	4.04	4.71
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	<0.50	1.86
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**

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

2'nd Quarter Sampling Parameter	May 13, 2010			SEWPCC	
	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	4.63	<0.50
Toluene-d8	%			100	101
trans-1,2-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
trans-1,3-Dichloropropene	ug/L	0.50	0.50	<0.50	<0.50
Trichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	1.0	1.0	<1.0	<1.0
Trihalomethanes (total)	ug/L	2.0	2.0	4.0	4.7
Vinyl chloride	ug/L	0.50	0.50	<0.50	<0.50
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5

**NOTES:**

MDL- Method Detection Limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

<- less than

NA- not analyzed

NR- not reported

*All parameters were analyzed by contract laboratory.*

**City Of Winnipeg  
Water Waste Department**

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

3'rd Quarter Sampling Parameter	August 10, 2010			SEWPC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Miscellaneous</b>					
Chromium, Hexavalent	mg/L	0.0010	0.0010	<0.0010	<0.0010
Phenols (4AAP)	mg/L	0.0010	0.0010	0.202	0.0028
Tetraethyl Lead	ug/L	5.0	5.0	<0.50	<0.50
Total Oil and Grease	mg/L	1.0	1.0	45.6	<1.0
Toxaphene	mg/L	0.00010	0.00010	<0.00010	<0.00010
Tributyltin	ug/L	0.0010	0.0010	<0.0010	<0.0010
Trout Bioassay	Pass/Fail			NA	Pass
<b>Total Metals by ICP-MS</b>					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00171	0.00119
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000518	0.000029
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0089	<0.0010
Copper (Cu)-Total	mg/L	0.00020	0.0002	0.0877	0.0130
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00338	0.000595
Mercury (Hg)-Total	ng/L	1.0	1.0	4480	17.3
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00946	0.00749
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0113	0.0048
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0014	<0.0010
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.105	0.0347
<b>Dioxins and Furans</b>					
2378 TeCDD	pg/L	0.90	0.70	<0.90	<0.70
12378 PeCDD	pg/L	0.50	0.40	<0.50	<0.40
123478 HxCDD	pg/L	0.30	0.30	<0.30	<0.30
123678 HxCDD	pg/L	0.40	0.40	<0.40	<0.40
123789 HxCDD	pg/L	0.40	0.30	<0.40	<0.30
1234678 HpCDD	pg/L	0.60	0.40	7.57	<0.40
OCDD	pg/L	1.0	0.60	75.7	8.08
Total TCDD	pg/L	0.90	0.70	<0.90	<0.70
Total PeCDD	pg/L	0.50	0.40	<0.50	<0.40
Total HxCDD	pg/L	0.40	0.40	<0.40	<0.40
Total HpCDD	pg/L	0.60	0.40	16.5	<0.40
Total PCDDs	pg/L	1.0	0.70	92.3	8.08
2378 TeCDF	pg/L	0.70	0.40	<0.70	<0.40
12378 PeCDF	pg/L	0.30	0.30	<0.30	<0.30
23478 PeCDF	pg/L	0.30	0.20	<0.30	<0.20
123478 HxCDF	pg/L	0.20	0.20	<0.20	<0.20
123678 HxCDF	pg/L	0.20	0.10	<0.20	0.95
123789 HxCDF	pg/L	0.30	0.30	<0.30	<0.30
234678 HxCDF	pg/L	0.20	0.20	<0.20	<0.20
1234678 HpCDF	pg/L	0.70	0.70	<0.70	<0.70
1234789 HpCDF	pg/L	0.90	1.0	<0.90	<1.0
OCDF	pg/L	0.90	0.70	8.28	<0.70
Total TCDF	pg/L	0.70	0.40	<0.70	<0.40
Total PeCDF	pg/L	0.30	0.30	<0.30	<0.30
Total HxCDF	pg/L	0.30	0.30	<0.30	0.95
Total HpCDF	pg/L	0.90	1.0	<0.90	<1.0
Total PCDFs	pg/L	0.90	1.0	8.28	<1.0
Total TEQ (ND=0) (WHO Calc)	pg/L			0.1	0.1
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			0.99	0.8

**City Of Winnipeg  
Water Waste Department**

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

3'rd Quarter Sampling	August 10, 2010			SEWPCC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Total TEQ (ND=DL) (WHO Calc)	pg/L				1.89	1.5
13C12 2378 TeCDD	%				71	73
13C12 12378 PeCDD	%				83	81
13C12 123478 HxCDD	%				65	70
13C12 123678 HxCDD	%				68	72
13C12 1234678 HpCDD	%				68	64
13C12 OCDD	%				53	51
13C12 2378 TeCDF	%				62	74
13C12 12378 PeCDF	%				74	76
13C12 23478 PeCDF	%				82	78
13C12 123478 HxCDF	%				55	47
13C12 123678 HxCDF	%				67	89
13C12 234678 HxCDF	%				60	53
13C12 123789 HxCDF	%				58	53
13C12 1234678 HpCDF	%				57	46
13C12 1234789 HpCDF	%				59	50
37C14 2378 TeCDD	%				60	69
<b>EPA 8270 Extractables</b>						
1,2,3-Trichlorobenzene	ug/L	4.0	0.40		<4.0	<0.40
1,2,4-Trichlorobenzene	ug/L	4.0	0.40		<4.0	<0.40
1,2-Dichlorobenzene	ug/L	4.0	0.40		<4.0	<0.40
1,3-Dichlorobenzene	ug/L	4.0	0.40		<4.0	<0.40
1,4-Dichlorobenzene	ug/L	4.0	0.40		20.9	<0.40
1-Chloronaphthalene	ug/L	4.0	0.40		<4.0	<0.40
1-Methylnaphthalene	ug/L	4.0	0.40		<4.0	<0.40
2,3,4,5-Tetrachlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,3,4,6-Tetrachlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,3,4-Trichlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,3,5,6-Tetrachlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,3,5-Trichlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,4,5-Trichlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,4,6-Tribromophenol	%				156	101
2,4,6-Trichlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,4-Dichlorophenol	ug/L	3.0	0.30		<3.0	<0.30
2,4-Dimethylphenol	ug/L	5.0	0.50		<5.0	<0.50
2,4-Dinitrophenol	ug/L	10	1.0		<10	<1.0
2,4-Dinitrotoluene	ug/L	4.0	0.40		<4.0	<0.40
2,6-Dichlorophenol	ug/L	5.0	0.50		<5.0	<0.50
2,6-Dinitrotoluene	ug/L	4.0	0.40		<4.0	<0.40
2-Chloronaphthalene	ug/L	4.0	0.40		<4.0	<0.40
2-Chlorophenol	ug/L	3.0	0.30		<3.0	<0.30
2-Fluorobiphenyl	%				129	75
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		113	<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**

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

3'rd Quarter Sampling	August 10, 2010			SEWPC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
					Grab	Grab
4-Chlorophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40	
4-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50	
5-Nitroacenaphthene	ug/L	4.0	0.40	<4.0	<0.40	
Acenaphthene	ug/L	2.0	0.20	<2.0	<0.20	
Acenaphthylene	ug/L	2.0	0.20	<2.0	<0.20	
Anthracene	ug/L	2.0	0.20	<2.0	<0.20	
Benzo(a)anthracene	ug/L	2.0	0.20	<2.0	<0.20	
Benzo(a)pyrene	ug/L	0.50	0.050	<0.50	<0.050	
Benzo(b)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20	
Benzo(ghi)perylene	ug/L	2.0	0.20	<2.0	<0.20	
Benzo(k)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20	
Biphenyl	ug/L	4.0	0.40	<4.0	<0.40	
Bis(2-chloroethoxy)methane	ug/L	4.0	0.40	<4.0	<0.40	
Bis(2-chloroethyl)ether	ug/L	4.0	0.40	<4.0	<0.40	
Bis(2-chloroisopropyl)ether	ug/L	4.0	0.40	<4.0	<0.40	
Bis(2-ethylhexyl)phthalate	ug/L	20	2.0	<20	<2.0	
Butylbenzyl phthalate	ug/L	4.0	0.40	<4.0	<0.40	
Camphene	ug/L	4.0	0.40	<4.0	<0.40	
Chrysene	ug/L	2.0	0.20	<2.0	<0.20	
Cresols (total)	ug/L	10	1.0	113	<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	61.9	<0.40	
Isophorone	ug/L	4.0	0.40	<4.0	<0.40	
Naphthalene	ug/L	2.0	0.20	<2.0	<0.20	
Nitrobenzene	ug/L	4.0	0.40	<4.0	<0.40	
Nitrobenzene d5	%			85	89	
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	78.2	<0.50	
Phenol d5	%			53	62	
p-Terphenyl d14	%			51	85	
Pyrene	ug/L	2.0	0.20	<2.0	<0.20	
<b>Low Level Nonylphenols and Ethoxylates</b>						
Nonylphenols	ug/L	1.0	0.10	23.4	2.56	
Nonylphenol Monoethoxylates	ug/L	5.0	0.50	68.6	1.26	

**City Of Winnipeg  
Water Waste Department**

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

3'rd Quarter Sampling Parameter	August 10, 2010			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Nonylphenol Diethoxylates	ug/L	1.2	1.2	3.8	<1.2
Nonylphenol Triethoxylates	ug/L	2.0	2.0	<2.0	<2.0
t-Octylphenol	ug/L	0.020	0.020	0.370	0.273
t-Octylphenol Monoethoxylate	ug/L	0.10	0.10	0.76	<0.10
t-Octylphenol Diethoxylate	ug/L	0.20	0.20	<0.20	0.27
t-Octylphenol Triethoxylate	ug/L	0.50	0.50	<0.50	<0.50
TOTAL TEQ (CCME)	ug/L			60	3.6
<b>PCB</b>					
Aroclor 1016	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1221	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1232	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1242	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1248	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1254	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1260	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1262	mg/L	0.00050	0.00050	<0.00050	<0.00050
Aroclor 1268	mg/L	0.00050	0.00050	<0.00050	<0.00050
Total PCBs	mg/L	0.00050	0.00050	<0.00050	<0.00050
Decachlorobiphenyl	%			74	87
<b>Pesticides, Organochlorine</b>					
2-Fluorobiphenyl	%			52	71
a-chlordane	ug/L	1.0	0.10	<1.0	<0.10
Aldrin	ug/L	1.0	0.10	<1.0	<0.10
alpha-BHC	ug/L	1.0	0.10	<1.0	<0.10
alpha-Endosulfan	ug/L	1.0	0.10	<1.0	<0.10
beta-BHC	ug/L	1.0	0.10	<1.0	<0.10
beta-Endosulfan	ug/L	1.0	0.10	<1.0	<0.10
d14-Terphenyl	%			70	76
delta-BHC	ug/L	1.0	0.10	<1.0	<0.10
Dieldrin	ug/L	1.0	0.10	<1.0	<0.10
Endosulfan Sulfate	ug/L	1.0	0.10	<1.0	<0.10
Endrin	ug/L	1.0	0.10	<1.0	<0.10
Endrin Aldehyde	ug/L	1.0	0.10	<1.0	<0.10
g-chlordane	ug/L	1.0	0.10	<1.0	<0.10
Heptachlor	ug/L	1.0	0.10	<1.0	<0.10
Heptachlor Epoxide	ug/L	1.0	0.10	<1.0	<0.10
Lindane	ug/L	1.0	0.10	<1.0	<0.10
Methoxychlor	ug/L	1.0	0.10	<1.0	<0.10
Mirex	ug/L	1.0	0.10	<1.0	<0.10
o,p-DDE	ug/L	1.0	0.10	<1.0	<0.10
op-DDD	ug/L	1.0	0.10	<1.0	<0.10
op-DDT	ug/L	1.0	0.10	<1.0	<0.10
Oxychlordane	ug/L	1.0	0.10	<1.0	<0.10
pp-DDD	ug/L	1.0	0.10	<1.0	<0.10
pp-DDE	ug/L	1.0	0.10	<1.0	<0.10
pp-DDT	ug/L	1.0	0.10	<1.0	<0.10
<b>Phenoxyacid Herbicides by GC/MS</b>					
2,4,5-T	ug/L	5.0	0.50	<5.0	<0.50
2,4,5-TP	ug/L	5.0	0.50	<5.0	<0.50

**City Of Winnipeg  
Water Waste Department**

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

3'rd Quarter Sampling Parameter	August 10, 2010			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
2,4-D	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dichlorophenylacetic Acid	%			87	97
Bromoxynil	ug/L	5.0	0.50	<5.0	<0.50
Dicamba	ug/L	5.0	0.50	<5.0	<0.50
Dinoseb	ug/L	5.0	0.50	<5.0	<0.50
MCPA	ug/L	5.0	0.50	<5.0	<0.50
Mecoprop	ug/L	5.0	0.50	<5.0	<0.50
Picloram	ug/L	5.0	0.50	<5.0	<0.50
<b>Target Compounds by GC/MS</b>					
2-Fluorobiphenyl	%			49	73
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dinitropyrene	mg/L	0.020	0.020	<0.020	<0.020
Octachlorostyrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
p-Terphenyl d14	%			29	79
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dibromoethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane d4	%			111	110
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	3.48	0.56
2-Hexanone	ug/L	20	20	<20	<20
4-Bromofluorobenzene	%			92	104
Acetone	ug/L	20	20	56	<20
Benzene	ug/L	0.50	0.50	<0.50	<0.50
Bromodichloromethane	ug/L	0.50	0.50	<0.50	<0.50
Bromoform	ug/L	0.50	0.50	<0.50	<0.50
Bromomethane	ug/L	5.0	5.0	<5.0	<5.0
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	5.36	4.47
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	<0.50	<0.50
Ethyl Benzene	ug/L	0.50	0.50	<0.50	<0.50
m+p-Xylenes	ug/L	1.0	1.0	2.1	<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**

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

3'rd Quarter Sampling Parameter	August 10, 2010			SEWPCC	
	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	0.71	<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	2.96	<0.50
Toluene-d8	%			95	96
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	5.4	4.5
Vinyl chloride	ug/L	0.50	0.50	<0.50	<0.50
Xylenes (Total)	ug/L	1.5	1.5	2.8	<1.5

**NOTES:**

MDL- Method Detection Limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

<- less than

NA- not analyzed

NR- not reported

*All parameters were analyzed by contract laboratory.*

**City Of Winnipeg  
Water Waste Department**

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

4'th Quarter Sampling Parameter	November 15, 2010			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Miscellaneous</b>					
Chromium, Hexavalent	mg/L	0.0010	0.0010	<0.0010	<0.0010
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0495	0.0017
Tetraethyl Lead	ug/L	5.0	5.0	<5.0	<5.0
Total Oil and Grease	mg/L	1.0	1.0	58.9	<1.0
Toxaphene	mg/L	0.00010	0.00010	<0.00010	<0.00010
Tributyltin	ug/L	0.0050	0.0050	<0.0050	<0.0050
Trout Bioassay	Pass/Fail			NA	Fail
<b>Total Metals by ICP-MS</b>					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00215	0.00126
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000464	0.000019
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0036	<0.0010
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.108	0.0138
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00487	0.000372
Mercury (Hg)-Total	ng/L	1.0	1.0	43.3	1.8
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00529	0.00359
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0077	0.0086
Selenium (Se)-Total	mg/L	0.0010	0.0010	0.0016	<0.0010
Zinc (Zn)-Total	mg/L	0.0050	0.0050	0.106	0.0305
<b>Dioxins and Furans</b>					
2378 TeCDD	pg/L	0.40	0.50	<0.40	<0.50
12378 PeCDD	pg/L	0.60	0.50	<0.60	<0.50
123478 HxCDD	pg/L	0.30	0.30	<0.30	<0.30
123678 HxCDD	pg/L	0.50	0.40	<0.50	<0.40
123789 HxCDD	pg/L	0.40	0.40	<0.40	<0.40
1234678 HpCDD	pg/L	0.60	0.50	10.4	<0.50
OCDD	pg/L	1.0	0.60	72.9	9.09
Total TCDD	pg/L	0.40	0.50	<0.40	<0.50
Total PeCDD	pg/L	0.60	0.50	<0.60	<0.50
Total HxCDD	pg/L	0.50	0.40	<0.50	<0.40
Total HpCDD	pg/L	0.60	0.50	<0.60	<0.50
Total PCDDs	pg/L	1.0	0.60	72.9	9.09
2378 TeCDF	pg/L	0.40	0.40	<0.40	<0.40
12378 PeCDF	pg/L	0.40	0.40	<0.40	<0.40
23478 PeCDF	pg/L	0.30	0.30	<0.30	<0.30
123478 HxCDF	pg/L	0.50	0.30	<0.50	<0.30
123678 HxCDF	pg/L	0.30	0.20	<0.30	<0.20
123789 HxCDF	pg/L	0.40	0.30	<0.40	<0.30
234678 HxCDF	pg/L	0.40	0.20	<0.40	<0.20
1234678 HpCDF	pg/L	0.90	0.80	<0.90	<0.80
1234789 HpCDF	pg/L	1.0	1.0	<1.0	<1.0
OCDF	pg/L	1.0	1.0	9.7	<1.0
Total TCDF	pg/L	0.40	0.40	<0.40	<0.40
Total PeCDF	pg/L	0.40	0.40	<0.40	<0.40
Total HxCDF	pg/L	0.50	0.30	<0.50	<0.30
Total HpCDF	pg/L	1.0	1.0	<1.0	<1.0
Total PCDFs	pg/L	1.0	1.0	9.7	<1.0
Total TEQ (ND=0) (WHO Calc)	pg/L			0.13	0
Total TEQ (ND=0.5DL) (WHO Calc)	pg/L			0.85	0.69

**City Of Winnipeg  
Water Waste Department**

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

4'th Quarter Sampling	November 15, 2010			SEWPCC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
					Grab	Grab
Total TEQ (ND=DL) (WHO Calc)	pg/L			1.57	1.38	
13C12 2378 TeCDD	%			79	81	
13C12 12378 PeCDD	%			69	72	
13C12 123478 HxCDD	%			77	75	
13C12 123678 HxCDD	%			64	72	
13C12 1234678 HpCDD	%			66	65	
13C12 OCDD	%			56	51	
13C12 2378 TeCDF	%			89	89	
13C12 12378 PeCDF	%			51	55	
13C12 23478 PeCDF	%			73	80	
13C12 123478 HxCDF	%			44	60	
13C12 123678 HxCDF	%			75	73	
13C12 234678 HxCDF	%			77	76	
13C12 123789 HxCDF	%			74	79	
13C12 1234678 HpCDF	%			67	64	
13C12 1234789 HpCDF	%			69	70	
37C14 2378 TeCDD	%			88	88	
<b>EPA 8270 Extractables</b>						
1,2,3-Trichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40	
1,2,4-Trichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40	
1,2-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40	
1,3-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40	
1,4-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40	
1-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40	
1-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40	
2,3,4,5-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50	
2,3,4,6-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50	
2,3,4-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50	
2,3,5,6-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50	
2,3,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50	
2,4,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50	
2,4,6-Tribromophenol	%			135	130	
2,4,6-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50	
2,4-Dichlorophenol	ug/L	3.0	0.30	<3.0	<0.30	
2,4-Dimethylphenol	ug/L	5.0	0.50	<5.0	<0.50	
2,4-Dinitrophenol	ug/L	10	1.0	<10	<1.0	
2,4-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40	
2,6-Dichlorophenol	ug/L	5.0	0.50	<5.0	<0.50	
2,6-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40	
2-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40	
2-Chlorophenol	ug/L	3.0	0.30	<3.0	<0.30	
2-Fluorobiphenyl	%			75	100	
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	139	<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**

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

4'th Quarter Sampling Parameter	November 15, 2010			SEWPCC	
	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	<0.40
Camphene	ug/L	4.0	0.40	<4.0	<0.40
Chrysene	ug/L	2.0	0.20	<2.0	<0.20
Cresols (total)	ug/L	10	1.0	139	<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	0.30	<2.0	<0.30
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	37.3	<0.40
Isophorone	ug/L	4.0	0.40	<4.0	<0.40
Naphthalene	ug/L	2.0	0.20	<2.0	<0.20
Nitrobenzene	ug/L	4.0	0.40	<4.0	<0.40
Nitrobenzene d5	%			125	118
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	34.2	<0.50
Phenol d5	%			84	79
p-Terphenyl d14	%			46	132
Pyrene	ug/L	2.0	0.20	<2.0	<0.20
<b>Low Level Nonylphenols and Ethoxylates</b>					
Nonylphenols	ug/L	0.10	0.10	2.63	1.70
Nonylphenol Monoethoxylates	ug/L	0.50	0.50	5.65	<0.50

**City Of Winnipeg  
Water Waste Department**

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

4'th Quarter Sampling Parameter	November 15, 2010			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Nonylphenol Diethoxylates	ug/L	1.2	1.2	9.3	<1.2
Nonylphenol Triethoxylates	ug/L	2.0	2.0	17.2	<2.0
t-Octylphenol	ug/L	0.020	0.020	0.292	0.112
t-Octylphenol Monoethoxylate	ug/L	0.10	0.10	0.28	<0.10
t-Octylphenol Diethoxylate	ug/L	0.20	0.20	<0.20	0.22
t-Octylphenol Triethoxylate	ug/L	0.50	0.50	<0.50	<0.50
TOTAL TEQ (CCME)	ug/L			19	1.9
<b>PCB</b>					
Aroclor 1016	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1221	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1232	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1242	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1248	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1254	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1260	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1262	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1268	mg/L	0.00010	0.00010	<0.00010	<0.00010
Total PCBs	mg/L	0.00010	0.00010	<0.00010	<0.00010
Decachlorobiphenyl	%			70	130
<b>Pesticides, Organochlorine</b>					
2-Fluorobiphenyl	%			0	70
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
d14-Terphenyl	%			1	97
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
pp-DDT	ug/L	10	0.10	<10	<0.10
<b>Phenoxyacid Herbicides by GC/MS</b>					
2,4,5-T	ug/L	5.0	0.50	<5.0	<0.50
2,4,5-TP	ug/L	5.0	0.50	<5.0	<0.50

**City Of Winnipeg  
Water Waste Department**

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

4'th Quarter Sampling Parameter	November 15, 2010			SEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
2,4-D	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dichlorophenylacetic Acid	%			68	85
Bromoxynil	ug/L	5.0	0.50	<5.0	<0.50
Dicamba	ug/L	5.0	0.50	<5.0	<0.50
Dinoseb	ug/L	5.0	0.50	<5.0	<0.50
MCPA	ug/L	5.0	0.50	<5.0	<0.50
Mecoprop	ug/L	5.0	0.50	<5.0	<0.50
Picloram	ug/L	5.0	0.50	<5.0	<0.50
<b>Target Compounds by GC/MS</b>					
2-Fluorobiphenyl	%			71	81
4,4'-Methylenebis(2-chloroaniline)	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dinitropyrene	mg/L	0.020	0.020	<0.020	<0.020
Octachlorostyrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
p-Terphenyl d14	%			127	105
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dibromoethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.50	0.50	<0.50	<0.50
1,2-Dichloroethane d4	%			99	93
1,2-Dichloropropane	ug/L	0.50	0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.50	0.50	<0.50	<0.50
2-Hexanone	ug/L	20	20	<20	<20
4-Bromofluorobenzene	%			103	105
Acetone	ug/L	20	20	74	<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	2.20	1.57
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	<0.50	<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**

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

4'th Quarter Sampling Parameter	November 15, 2010			SEWPCC	
	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	3.52	<0.50
Toluene-d8	%			101	101
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	<2.0
Vinyl chloride	ug/L	0.50	0.50	<0.50	<0.50
Xylenes (Total)	ug/L	1.5	1.5	<1.5	<1.5

**NOTES:**

MDL- Method Detection Limit  
 mg/L- milligrams/Litre  
 ug/L- micrograms/Litre  
 ng/L- nanograms/Litre  
 pg/L- picograms/Litre  
 <- less than  
 NA- not analyzed  
 NR- not reported

*All parameters were analyzed by contract laboratory.*