

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
March, 2006**

Date	Raw Sewage	Final Effluent 24 Hour Composite									Final Effluent Grab Sample			
	Daily Flow	TSS	cBOD5	Ammonia		Ortho Phosphorus	Total Phosphorus		Total Nitrogen		Temp	pH	Fecal Coliform	E.Coli
	ML	(mg/L)	(mg/L)	(mg/L-N)	(kg NH3-N/day)	(mg/L-P)	(mg/L-P)	(mg/L-P)*	(mg/L-N)	(mg/L-N)*	(°C)	(units)	MPN/100 mL	
1-Mar-06	23.8	<4	4	28	666	4.36	4.0	4.3	31	30	3.0	7.47	93	93
2-Mar-06	23.8	4	5	29	690	4.53	4.2	4.3	35	30	4.0	7.43	93	93
3-Mar-06	24.3	<4	4	29	705	4.66	4.8	4.3	34	31	3.0	7.53	230	230
4-Mar-06	25.2	<4	3	29	731	4.53	4.6	4.4	32	31	3.0	7.39	430	150
5-Mar-06	25.9	<4	3	30	777	4.55	4.1	4.4	32	31	6.0	7.43	1500	1500
6-Mar-06	24.9	<4	4	29	722	4.52	5.0	4.4	35	31	5.0	7.31	2300	430
7-Mar-06	24.5	<4	3	29	711	4.59	4.8	4.4	34	31	6.0	7.34	2300	2,300
8-Mar-06	24.9	<4	3	29	722	4.52	5.3	4.5	36	32	6.0	7.34	930	430
9-Mar-06	26.0	<4	4	29	754	4.55	4.2	4.5	32	32	3.0	7.34	2,100	2100
10-Mar-06	26.3	<4	7	29	763	4.68	4.3	4.5	32	32	3.0	7.41	4,300	4,300
11-Mar-06	27.4	<4	4	28	767	4.41	4.3	4.5	31	32	4.0	7.43	930	930
12-Mar-06	27.6	9	3	28	773	4.36	4.2	4.4	31	32	3.0	6.97	1,500	1,500
13-Mar-06	25.5	<4	4	29	740	4.45	4.5	4.4	33	32	2.0	7.01	2,300	2,300
14-Mar-06	24.4	7	5	28	683	4.35	4.3	4.4	32	32	2.0	7.41	430	150
15-Mar-06	25.1	<4	4	28	703	4.29	4.4	4.4	32	32	2.0	7.44	430	430
16-Mar-06	25.2	<4	5	28	706	4.30	4.4	4.4	32	32	3.0	7.41	430	150
17-Mar-06	24.7	6	5	27	667	4.23	4.5	4.4	32	32	2.0	7.42	9,300	9,300
18-Mar-06	26.5	4	4	28	742	4.44	6.2	4.5	33	32	3.0	7.33	2,300	2,300
19-Mar-06	27.2	4	3	27	734	4.28	4.5	4.5	32	32	3.0	7.56	930	430
20-Mar-06	25.7	<4	4	27	694	4.12	4.6	4.5	32	32	3.0	7.36	2,300	2,300
21-Mar-06	25.6	4	4	27	691	4.22	4.6	4.5	31	32	3.0	7.21	430	430
22-Mar-06	25.8	<4	5	27	697	4.26	5.1	4.6	32	32	3.0	7.19	930	930
23-Mar-06	25.9	4	4	26	673	4.21	5.0	4.6	33	32	3.0	7.49	15,000	15,000
24-Mar-06	27.6	<4	4	27	745	4.32	5.3	4.6	37	33	3.0	7.47	2,300	2,300
25-Mar-06	30.1	<4	4	27	813	4.32	5.2	4.7	36	33	4.0	7.47	2,300	2,300
26-Mar-06	34.0	<4	4	27	918	4.14	5.2	4.7	32	33	2.0	7.60	930	430
27-Mar-06	38.4	<4	4	27	1,040	4.22	4.8	4.7	32	33	2.0	7.35	2,300	2,300
28-Mar-06	44.8	<4	4	27	1,210	4.24	4.6	4.7	35	33	2.0	7.37	930	930
29-Mar-06	45.4	<4	4	27	1,230	4.18	4.7	4.7	31	33	2.0	7.37	930	930
30-Mar-06	60.9	4	4	27	1,640	3.75	3.9	4.6	28	33	2.0	7.33	930	430
31-Mar-06	70.2	4	4	25	1,760	3.87	3.5	4.6	28	33	2.0	7.34	930	210
Total:	938													
Max:	70.2													
Min:	23.8													
Average:	30.2	3	4	28	834	4.34	4.6		33		3.1	7.37		
Geo.Mean:													1,100	830

Notes:

(1) * = 30 day rolling average

(2) effluent ammonia load based upon Raw Sewage flows and Final Cell NH3-N concentrations

(3) nr - not recorded or no result; na - not analyzed; ns - no sample

(4) Final Effluent flow data unavailable

(5) Where < values are reported 50% of the MDL is used for calculated results