

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
February, 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-Feb-06	24.7	<4	3	26	642	4.32	4.0	4.0	27	29	3.0	7.53	430	430
2-Feb-06	24.7	<4	3	25	618	4.25	4.1	4.0	28	29	4.0	7.56	430	430
3-Feb-06	24.7	<4	4	25	618	4.25	4.1	4.0	28	28	3.0	7.54	230	230
4-Feb-06	25.8	<4	3	26	671	4.26	3.9	4.0	28	28	4.0	7.55	380	150
5-Feb-06	26.9	<4	4	25	673	4.09	4.1	4.0	28	28	5.0	7.54	230	230
6-Feb-06	25.2	<4	3	26	655	4.21	5.0	4.1	29	28	3.0	7.28	43	43
7-Feb-06	24.6	4	3	26	640	4.15	5.1	4.1	29	29	3.0	7.59	230	93
8-Feb-06	24.8	<4	4	27	670	4.33	4.1	4.1	28	29	2.0	7.54	230	93
9-Feb-06	24.4	4	4	26	634	4.35	4.2	4.1	29	29	2.0	7.46	93	93
10-Feb-06	24.6	<4	4	27	664	4.35	4.5	4.1	30	29	2.0	7.38	93	43
11-Feb-06	25.7	<4	3	26	668	4.37	4.0	4.1	28	29	2.0	7.67	230	230
12-Feb-06	26.5	<4	3	26	689	4.27	4.6	4.2	32	29	4.0	7.53	43	43
13-Feb-06	25.1	<4	4	26	653	4.26	4.4	4.2	31	29	2.0	7.25	93	93
14-Feb-06	24.5	4	4	27	662	4.28	4.2	4.2	30	29	2.0	7.40	15	15
15-Feb-06	24.2	<4	4	28	678	4.35	4.2	4.2	30	29	2.0	7.41	230	230
16-Feb-06	24.0	4	4	27	648	4.25	4.3	4.2	31	29	1.0	7.30	43	43
17-Feb-06	24.2	4	4	27	653	4.33	3.9	4.2	31	29	1.0	7.49	93	43
18-Feb-06	25.5	<4	4	28	714	4.44	4.3	4.2	30	29	1.0	7.50	150	150
19-Feb-06	26.5	<4	4	28	742	4.49	4.4	4.2	32	29	2.0	7.46	93	21
20-Feb-06	25.0	<4	5	28	700	4.47	4.7	4.2	34	29	2.0	7.46	93	43
21-Feb-06	24.3	<4	3	28	680	4.39	4.7	4.2	33	30	nr	7.47	150	93
22-Feb-06	24.5	<4	3	29	711	4.53	nr	nr	31	30	2.0	7.47	230	93
23-Feb-06	24.3	<4	3	28	680	4.49	4.1	4.2	28	30	2.0	7.42	230	230
24-Feb-06	24.4	<4	4	29	708	4.61	nr	nr	29	30	2.0	7.39	230	43
25-Feb-06	25.5	<4	3	29	740	4.65	nr	nr	26	30	2.0	7.45	230	93
26-Feb-06	26.2	<4	3	29	760	4.55	5.0	4.3	35	30	3.0	7.44	93	93
27-Feb-06	24.7	<4	4	29	716	4.62	5.0	4.3	35	30	5.0	7.31	230	150
28-Feb-06	23.9	<4	4	29	693	4.58	4.6	4.3	29	30	3.0	7.45	75	75
Total:	699													
Max:	26.9													
Min:	23.9													
Average:	25.0	2	4	27	678	4.37	4.4		30		2.6	7.46		
Geo.Mean:													140	93

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