

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
January, 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-Jan-06	25.7	<4	2	26	668	3.82	3.7	3.2	30	29	4.0	7.73	430	230
2-Jan-06	27.0	4	3	26	702	3.82	3.8	3.2	38	29	4.0	7.65	930	230
3-Jan-06	25.1	<4	4	26	653	3.80	3.5	3.2	41	30	4.0	7.63	930	930
4-Jan-06	25.1	<4	3	26	653	3.92	3.6	3.3	38	30	4.0	7.67	930	930
5-Jan-06	25.0	4	4	27	675	3.99	3.7	3.3	29	30	4.0	7.59	750	750
6-Jan-06	25.2	<4	3	26	655	3.91	3.9	3.3	29	30	4.0	7.56	2300	930
7-Jan-06	26.5	4	3	26	689	3.96	nr	nr	26	30	4.0	7.52	4300	430
8-Jan-06	27.3	4	4	26	710	3.89	3.6	3.4	27	30	3.0	7.63	930	230
9-Jan-06	25.9	4	3	26	673	3.87	3.9	3.4	28	30	4.0	7.50	930	930
10-Jan-06	25.1	<4	3	25	628	3.90	4.0	3.4	29	30	4.0	7.51	930	930
11-Jan-06	25.3	<4	3	25	633	nr	4.1	3.5	28	30	4.0	7.53	930	930
12-Jan-06	25.4	<4	2	26	660	3.85	4.2	3.5	25	30	4.0	7.56	1,500	930
13-Jan-06	25.0	<4	4	26	650	4.00	3.7	3.5	26	30	4.0	7.51	430	430
14-Jan-06	26.4	<4	3	26	686	4.09	4.2	3.6	26	30	4.0	7.43	230	230
15-Jan-06	27.4	<4	3	25	685	4.07	3.7	3.6	27	30	3.0	7.57	230	230
16-Jan-06	25.6	<4	3	25	640	3.98	4.3	3.6	32	30	4.0	7.59	430	93
17-Jan-06	25.0	<4	4	25	625	3.99	4.4	3.7	32	30	5.0	7.54	230	93
18-Jan-06	25.1	<4	4	25	628	3.95	3.7	3.7	27	30	5.0	7.59	93	43
19-Jan-06	25.4	<4	4	25	635	4.02	3.8	3.7	28	30	5.0	7.46	93	43
20-Jan-06	24.9	<4	4	25	623	4.30	4.1	3.8	30	30	5.0	7.39	93	43
21-Jan-06	25.9	<4	4	26	673	4.13	4.3	3.8	30	30	3.0	7.61	75	43
22-Jan-06	27.0	4	4	26	702	4.03	3.9	3.8	28	30	4.0	7.61	23	9
23-Jan-06	25.1	<4	4	25	628	3.98	4.0	3.8	29	30	3.0	7.61	38	38
24-Jan-06	24.6	4	4	26	640	3.99	4.0	3.8	28	30	3.0	7.55	93	93
25-Jan-06	24.6	5	3	27	664	4.15	4.1	3.9	27	30	3.0	7.86	9	9
26-Jan-06	25.0	<4	3	26	650	4.07	4.2	3.9	30	30	3.0	7.84	23	23
27-Jan-06	24.8	<4	<2	26	645	4.20	4.0	3.9	29	30	3.0	7.79	93	93
28-Jan-06	25.9	<4	3	26	673	4.23	4.1	3.9	28	30	3.0	7.60	75	45
29-Jan-06	26.6	<4	4	26	692	4.11	4.1	3.9	30	30	3.0	7.61	430	430
30-Jan-06	25.4	<4	3	25	635	4.20	3.9	3.9	27	30	4.0	7.47	930	430
31-Jan-06	24.5	<4	3	25	613	4.18	4.2	4.0	28	30	2.0	7.49	230	93
Total:	793													
Max:	27.4													
Min:	24.5													
Average:	25.6	3	3	25	658	4.01	4.0		30		3.7	7.59		
Geo.Mean:													280	170

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