

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
August, 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-Aug-06	27.0	21	5	6	162	4.80	5.5	3.5	11	12	23	7.95	930	430
2-Aug-06	26.5	16	4	7	186	4.86	5.3	3.6	12	12	22	8.18	430	430
3-Aug-06	27.3	37	5	7	191	4.75	5.4	3.7	11	12	21	8.10	430	430
4-Aug-06	29.0	ns	ns	ns	ns	ns	ns	3.6	ns	11	21	8.07	930	930
5-Aug-06	27.4	45	7	6	164	4.58	5.2	3.7	12	11	21	8.35	2100	2100
6-Aug-06	24.8	37	6	6	149	4.43	5.2	3.8	12	11	20	8.26	380	380
7-Aug-06	25.9	33	5	6	155	4.46	5.3	3.9	12	11	20	8.37	230	230
8-Aug-06	27.2	25	5	5	136	3.96	4.9	4.0	11	11	20	8.21	1,200	1,200
9-Aug-06	26.9	27	5	5	135	3.56	4.4	4.0	11	11	21	8.58	930	930
10-Aug-06	31.4	26	5	5	157	3.18	3.9	4.1	10	11	22	8.66	750	380
11-Aug-06	27.6	34	6	4	110	2.94	3.8	4.2	10	11	22	8.69	430	230
12-Aug-06	36.5	33	4	4	146	2.74	3.6	4.2	10	11	24	8.79	230	230
13-Aug-06	28.9	40	6	4	116	2.73	3.7	4.3	10	11	21	8.78	2,300	2,300
14-Aug-06	28.8	40	7	4	115	2.69	3.5	4.3	9	11	20	8.68	750	750
15-Aug-06	27.4	32	6	3	82	2.38	3.2	4.4	9	11	19	8.65	75	75
16-Aug-06	27.0	18	3	3	81	1.97	2.1	4.3	8	11	20	8.71	93	93
17-Aug-06	27.4	31	5	2	55	1.94	2.7	4.3	9	11	20	8.59	430	430
18-Aug-06	26.9	21	5	2	54	1.85	2.6	4.3	9	11	20	8.53	230	230
19-Aug-06	26.3	25	6	2	53	1.80	2.5	4.2	9	11	20	9.08	75	75
20-Aug-06	26.8	43	6	2	54	1.76	2.4	4.2	9	11	21	9.10	930	210
21-Aug-06	27.2	30	7	2	54	1.77	2.6	4.1	10	11	20	9.01	930	930
22-Aug-06	26.8	35	6	2	54	1.69	2.4	4.0	11	11	19	8.92	230	230
23-Aug-06	26.6	38	6	1	27	1.55	2.3	3.9	10	11	19	8.94	230	230
24-Aug-06	26.7	45	6	1	27	1.61	2.4	3.8	9	11	20	9.01	430	430
25-Aug-06	27.8	46	6	1	28	1.69	2.2	3.7	12	11	20	9.04	430	430
26-Aug-06	27.5	31	7	2	55	1.79	1.7	3.7	11	11	19	9.00	230	230
27-Aug-06	26.9	28	5	1	27	1.80	2.4	3.6	11	11	19	9.07	230	230
28-Aug-06	27.9	37	6	1	28	1.79	2.1	3.5	12	11	20	8.98	230	230
29-Aug-06	26.6	28	5	2	53	1.73	2.5	3.4	11	11	19	9.03	1,500	1,500
30-Aug-06	27.0	39	8	1	27	1.63	2.4	3.3	13	11	19	8.98	750	750
31-Aug-06	26.8	51	7	1	27	1.65	2.9	3.2	9	11	19	9.07	430	93
Total:	855													
Max:	36.5													
Min:	24.8													
Average:	27.6	33	6	3	90	2.67	3.4		10		20.4	8.69	443	376
Geo.Mean:														

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

(6) Licence No. 2669 E R