

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
March, 2007

Date	Raw Sewage	Final Effluent 24 Hour Composite									Final Effluent Grab Sample			
	Daily Flow ⁷	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-07	29.6	8	12	31	918	5.24	5.6	5.8	35	36	2	7.24	540,000	540,000
2-Mar-07	30.6	8	13	30	918	4.91	5.1	5.8	32	36	1	7.20	350,000	240,000
3-Mar-07	31.9	6	14	30	958	4.93	5.1	5.7	32	36	1	7.13	160,000	160,000
4-Mar-07	31.9	9	11	30	957	4.89	5.4	5.7	34	36	3	7.34	920,000	920,000
5-Mar-07	29.3	9	11	29	848	4.84	5.0	5.7	32	36	0	7.33	350,000	350,000
6-Mar-07	29.4	7	14	29	851	4.64	5.3	5.7	34	36	0	7.22	540,000	540,000
7-Mar-07	30.0	7	12	28	840	4.35	4.8	5.6	32	35	1	7.52	160,000	160,000
8-Mar-07	29.7	6	14	28	832	4.59	4.6	5.6	30	35	1	7.21	240,000	160,000
9-Mar-07	29.5	6	13	28	827	4.61	4.8	5.6	32	35	1	7.29	92,000	92,000
10-Mar-07	32.3	6	13	29	938	4.55	4.4	5.5	29	35	1	7.25	92,000	92,000
11-Mar-07	33.2	8	12	27	895	4.47	4.7	5.5	31	35	0	7.20	540,000	540,000
12-Mar-07	35.6	6	13	27	961	4.39	4.7	5.5	31	34	2	7.61	1,600	1,600
13-Mar-07	39.0	6	11	26	1,013	4.21	4.9	5.5	31	34	3	7.30	160,000	160,000
14-Mar-07	33.1	4	10	26	861	4.21	4.3	5.4	29	34	2	7.21	54,000	1,600
15-Mar-07	30.6	6	12	25	766	4.09	4.4	5.4	30	34	0	7.17	160,000	160,000
16-Mar-07	30.3	6	11	26	788	4.12	4.0	5.3	27	34	0	7.11	24,000	24,000
17-Mar-07	32.7	5	10	26	849	4.09	4.1	5.2	28	33	1	7.02	35,000	35,000
18-Mar-07	34.3	4	11	26	893	4.01	3.8	5.2	26	33	2	7.33	54,000	54,000
19-Mar-07	34.0	4	10	25	851	4.05	4.5	5.1	29	33	0	7.21	92,000	92,000
20-Mar-07	32.6	5	9	25	815	3.92	4.2	5.1	28	32	0	7.32	35,000	35,000
21-Mar-07	39.9	<4	10	25	999	3.79	4.1	5.0	29	32	1	7.28	54,000	54,000
22-Mar-07	34.6	5	9	24	831	3.68	4.4	4.9	30	32	0	7.15	35,000	35,000
23-Mar-07	38.9	<4	9	25	973	3.78	4.2	4.9	29	32	0	7.25	240,000	240,000
24-Mar-07	45.5	4	8	24	1,092	3.64	4.4	4.8	29	31	0	7.31	92,000	92,000
25-Mar-07	50.8	4	9	25	1,269	3.58	4.2	4.8	29	31	1	7.24	54,000	54,000
26-Mar-07	60.1	<4	7	23	1,382	3.48	4.2	4.7	29	31	1	7.30	54,000	54,000
27-Mar-07	53.8	6	9	24	1,292	3.35	4.1	4.7	28	31	1	7.28	5,400	5,400
28-Mar-07	55.3	5	10	24	1,326	3.46	4.1	4.6	28	31	2	7.24	160,000	160,000
29-Mar-07	73.9	5	10	22	1,625	3.32	3.9	4.6	27	30	2	7.40	240,000	240,000
30-Mar-07	59.4	4	7	23	1,367	2.76	3.7	4.5	26	30	1	7.20	1,599	1,600
31-Mar-07	60.4	5	8	21	1,267	3.15	3.6	4.4	24	30	1	7.36	>1600	>1600
Max:	73.9													
Min:	29.3													
Average:	39.1	5	11	26	1000	4.10	4.5		30		1	7.27		
Geo.Mean:													86,300	74,800

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