

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
January 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-Jan-07	23.7	<4	<2	33	510	6.07	6.6	5.6	34	35	1	7.69	79	79
2-Jan-07	23.4	4	3	33	557	6.00	6.6	5.7	33	36	1	7.60	46	46
3-Jan-07	23.4	4	3	31	575	5.96	6.3	5.7	33	36	2	7.61	49	49
4-Jan-07	23.1	<4	4	29	564	5.91	6.3	5.7	34	36	2	7.58	140	140
5-Jan-07	23.5	4	3	31	575	5.97	6.5	5.8	34	36	2	7.49	350	350
6-Jan-07	24.5	<4	<2	31	578	5.74	6.1	5.8	33	36	1	7.37	350	350
7-Jan-07	25.4	<4	<2	31	598	5.68	6.3	5.8	34	36	1	7.59	1600	1,600
8-Jan-07	23.8	<4	<2	30	601	5.74	6.5	5.9	35	36	1	7.51	1,600	1,600
9-Jan-07	23.0	<4	4	31	634	5.84	5.3	5.9	32	36	1	7.47	5,400	5400
10-Jan-07	22.9	<4	3	31	647	5.55	6.0	5.9	32	36	1	7.52	1,600	1,600
11-Jan-07	23.0	<4	2	30	611	5.71	6.1	6.0	32	36	1	7.56	3,500	440
12-Jan-07	23.0	4	<2	31	624	5.72	6.3	6.0	33	36	0	7.47	3,500	3,500
13-Jan-07	24.6	<4	<2	32	650	5.71	6.5	6.0	36	36	0	7.36	24,000	24,000
14-Jan-07	25.3	<4	3	34	647	6.16	6.6	6.1	35	36	1	7.57	24,000	24,000
15-Jan-07	24.1	<4	<2	31	652	5.68	6.3	6.1	34	36	0	7.49	35,000	35,000
16-Jan-07	23.5	<4	3	34	705	5.83	6.6	6.1	36	36	0	7.48	920	920
17-Jan-07	23.4	<4	3	33	708	5.75	6.0	6.2	33	36	0	7.50	35,000	35,000
18-Jan-07	23.1	4	4	33	690	5.54	5.9	6.1	32	35	1	7.66	54,000	54,000
19-Jan-07	23.1	<4	4	31	693	5.20	6.1	6.1	33	35	0	7.51	9,200	9,200
20-Jan-07	24.2	<4	4	33	676	5.56	6.1	6.1	32	35	0	7.44	1,600	1,600
21-Jan-07	25.2	<4	4	33	679	5.42	5.6	6.1	31	35	1	7.45	24,000	24,000
22-Jan-07	23.6	<4	4	33	696	5.46	5.6	6.1	31	35	1	7.49	16,000	16,000
23-Jan-07	22.7	4	4	31	753	5.40	5.5	6.1	35	35	1	7.53	54,000	16,000
24-Jan-07	22.9	<4	3	30	731	5.30	5.5	6.1	35	35	1	7.53	24,000	24,000
25-Jan-07	23.2	<4	4	30	681	5.25	5.8	6.1	36	34	0	7.47	35,000	350
26-Jan-07	24.6	<4	3	30	755	5.18	5.6	6.1	35	34	0	7.31	160,000	160,000
27-Jan-07	27.4	<4	4	30	749	5.29	5.6	6.1	36	34	0	7.21	92,000	54,000
28-Jan-07	27.9	<4	4	30	742	5.14	5.7	6.1	37	34	0	7.37	92,000	92,000
29-Jan-07	23.8	ns	ns	ns	746	ns	ns	6.1	ns	34	1	7.42	92,000	92,000
30-Jan-07	23.0	<4	4	31	ns	5.03	5.6	6.0	35	34	1	7.52	35,000	35,000
31-Jan-07	25.7	8	6	32	758	5.26	5.8	6.0	37	34	0	7.41	24,000	24,000
Max:	27.9													
Min:	22.7													
Average:	24.0	<4	3	31	659	5.60	6.0		34		1	7.49		
Geo.Mean:													5,898	4,494

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 result:

(6) Licence No. 2669 E R

(7) Daily Flow = Raw Sewage Flow + Pumped Groundwater Flow