

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data**

September 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-Sep-07	25.0	16	5	7	175	3.39	3.1	2.9	11	9	19	7.99	49	33
2-Sep-07	24.5	21	9	7	171	3.34	3.9	2.9	12	9	19	8.04	22	22
3-Sep-07	26.5	20	8	7	186	3.36	3.2	2.9	12	9	19	8.06	70	70
4-Sep-07	27.5	15	6	7	192	3.37	3.3	2.9	13	9	18	7.94	79	49
5-Sep-07	27.4	13	4	8	220	3.41	3.4	2.9	12	9	19	7.96	7	4
6-Sep-07	26.3	10	4	8	210	3.45	3.8	2.9	12	9	18	7.95	49	49
7-Sep-07	26.2	19	6	8	209	3.53	3.4	3.0	13	9	19	7.92	180	120
8-Sep-07	25.9	19	3	9	233	3.53	3.3	3.0	13	10	17	7.96	920	920
9-Sep-07	27.0	10	4	10	270	3.62	3.7	3.0	14	10	15	7.93	540	220
10-Sep-07	26.5	24	5	10	265	3.57	2.8	3.0	14	10	16	7.95	130	130
11-Sep-07	24.0	25	4	10	240	3.49	3.6	3.1	11	10	13	8.02	350	170
12-Sep-07	23.1	25	3	11	255	3.33	3.6	3.1	12	10	12	8.06	33	33
13-Sep-07	23.7	34	7	9	213	3.31	2.7	3.1	12	10	12	8.13	210	210
14-Sep-07	23.0	34	4	9	207	3.18	2.7	3.1	13	10	10	7.99	33	33
15-Sep-07	23.4	29	<2	10	234	3.06	nr	3.1	12	11	10	8.21	23	23
16-Sep-07	24.3	29	3	12	291	2.87	3.4	3.2	13	11	11	8.16	23	13
17-Sep-07	23.8	16	2	10	238	2.76	2.7	3.2	14	11	13	8.15	240	49
18-Sep-07	23.1	22	<2	10	231	2.76	2.7	3.2	15	11	15	8.12	170	170
19-Sep-07	22.6	20	4	10	226	2.64	2.1	3.2	14	11	18	8.09	240	240
20-Sep-07	24.5	17	3	12	294	2.62	2.1	3.2	13	12	14	8.08	110	46
21-Sep-07	23.6	24	3	12	283	2.63	2.0	3.2	15	12	14	8.03	31	<2
22-Sep-07	23.7	24	2	12	285	2.55	2.2	3.2	15	12	12	8.10	170	70
23-Sep-07	25.0	17	<2	13	325	2.6	1.8	3.1	15	12	14	8.06	110	110
24-Sep-07	36.7	19	2	13	477	2.44	2.1	3.1	15	12	14	8.06	350	350
25-Sep-07	26.8	15	<2	13	348	2.4	2.3	3.1	16	13	13	8.05	920	920
26-Sep-07	25.0	20	2	13	325	2.40	2.2	3.0	17	13	12	8.06	79	79
27-Sep-07	24.0	25	3	13	312	2.30	2.6	3.0	18	13	13	8.02	140	49
28-Sep-07	23.9	21	<2	13	310	2.22	2.4	2.9	13	13	12	7.94	540	540
29-Sep-07	24.7	23	2	13	321	2.20	1.7	2.8	14	13	13	8.07	130	130
30-Sep-07	25.6	23	3	13	332	2.14	2.4	2.8	18	14	12	8.06	79	79
Max:	36.7													
Min:	22.6													
Average:	25.2	21	4	10	263	2.95	2.8		14		14	8.04		
Geo.Mean:													109	73

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

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