

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
October 2007**

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-Oct-07	24.2	16	<2	14	339	2.07	2.0	2.8	17	14	13	8.09	130	130
2-Oct-07	24.1	18	<2	14	338	2.04	1.7	2.7	16	14	13	8.04	700	700
3-Oct-07	23.6	17	<2	14	331	2.00	1.9	2.7	18	14	12	8.02	79	79
4-Oct-07	23.6	18	2	14	331	1.95	2.0	2.6	21	14	12	8.14	170	170
5-Oct-07	23.5	21	<2	14	328	1.90	1.9	2.6	22	15	11	8.15	400	61
6-Oct-07	23.7	16	<2	14	331	1.93	2.1	2.5	22	15	10	8.11	na	na
7-Oct-07	23.4	14	2	14	327	1.85	2.0	2.5	23	15	11	8.16	68	68
8-Oct-07	38.1	15	nr	14	533	1.76	1.7	2.4	19	16	9	8.29	270	270
9-Oct-07	34.0	18	3	14	475	1.74	1.8	2.4	22	16	8	8.15	230	230
10-Oct-07	25.5	10	3	14	357	1.68	2.1	2.3	23	16	8	8.16	490	230
11-Oct-07	24.7	10	2	14	346	1.48	2.0	2.3	23	17	8	8.17	220	70
12-Oct-07	24.6	8	4	14	344	1.42	1.9	2.2	22	17	8	8.12	79	33
13-Oct-07	25.1	10	2	14	351	1.47	1.5	2.2	19	17	7	8.16	70	70
14-Oct-07	25.9	7	<2	14	362	1.39	1.7	2.1	22	18	8	8.10	78	5
15-Oct-07	24.6	8	<2	15	369	1.36	1.4	2.1	17	18	9	8.06	23	8
16-Oct-07	23.9	8	<2	16	382	1.37	1.6	2.0	21	18	9	8.06	68	11
17-Oct-07	24.2	7	<2	16	388	1.49	1.5	2.0	20	18	9	8.02	79	79
18-Oct-07	28.4	8	<2	16	454	1.73	1.3	1.9	19	18	9	8.03	93	93
19-Oct-07	48.0	11	<2	16	768	1.48	1.4	1.9	20	19	9	8.05	150	43
20-Oct-07	30.1	10	<2	15	451	1.37	1.5	1.9	22	19	9	8.09	430	43
21-Oct-07	28.8	7	2	16	461	1.32	1.8	1.9	20	19	9	8.12	23	23
22-Oct-07	26.6	8	<2	16	425	1.27	1.4	1.9	20	19	8	8.02	230	230
23-Oct-07	25.5	12	<2	16	408	1.26	1.4	1.8	21	19	8	8.00	150	36
24-Oct-07	24.9	13	<2	16	398	1.25	1.6	1.8	23	20	7	8.13	92	36
25-Oct-07	24.9	13	<2	16	399	1.24	1.3	1.8	17	20	7	8.10	160	160
26-Oct-07	24.6	10	<2	18	443	1.17	1.7	1.8	20	20	8	8.02	430	430
27-Oct-07	25.7	9	<2	18	463	1.17	1.3	1.7	24	20	6	8.10	2,300	92
28-Oct-07	26.1	10	<2	18	470	1.16	1.3	1.7	25	20	6	8.08	75	75
29-Oct-07	24.6	8	<2	18	442	1.12	1.6	1.7	15	20	5	8.07	230	92
30-Oct-07	24.1	7	<2	18	434	1.12	1.2	1.7	20	20	6	8.25	23	23
31-Oct-07	23.6	8	<2	18	426	1.11	1.4	1.6	22	21	6	8.14	36	36
Max:	48.0													
Min:	23.4													
Average:	26.5	11	<2	15	409	1.51	1.6		21		9	8.10		
Geo.Mean:													137	69

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