

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
August 2012**

Licence 2669 E RR	Raw Sewage	Final Effluent 24 Hour Composite						Final Effluent Grab Sample			
		TSS	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform	E.Coli
1-Aug-12	24.4	9	7	8.8	1.75	1.2	3	24	8.80	23	23
2-Aug-12	26.1	10	7	7.3	1.89	1.3	3	23	8.70	230	230
3-Aug-12	25.8	12	6	3.1	2.00	1.4	3	23	8.71	43	43
4-Aug-12	29.5	11	7	4.7	1.99	1.4	3	21	8.57	430	230
5-Aug-12	27.1	8	6	3.8	2.06	1.5	3	21	8.50	750	750
6-Aug-12	25.3	12	7	0.5	2.02	1.5	3	21	8.59	230	230
7-Aug-12	25.4	10	6	0.5	1.98	1.6	2	21	8.59	430	430
8-Aug-12	24.8	10	8	0.2	1.91	1.6	2	22	8.69	430	430
9-Aug-12	24.8	12	6	0.2	1.97	1.6	2	21	8.64	93	43
10-Aug-12	24.4	10	7	1.7	1.92	1.7	2	21	8.57	1,500	1,500
11-Aug-12	23.7	15	7	1.4	1.87	1.7	3	21	8.64	93	93
12-Aug-12	25.5	12	6	4.1	1.80	1.8	2	21	8.65	230	230
13-Aug-12	25.8	8	7	8.5	1.85	1.8	3	20	8.55	>110000	>110000
14-Aug-12	24.4	10	7	1.7	1.79	1.8	3	20	8.56	43	43
15-Aug-12	24.9	11	7	10.0	1.98	1.9	3	20	8.52	9,300	9,300
16-Aug-12	29.1	12	6	9.0	1.80	1.9	3	18	8.28	430	430
17-Aug-12	24.7	13	7	11.1	1.72	1.9	3	17	8.30	430	430
18-Aug-12	23.6	16	8	4.7	1.58	1.9	3	17	8.51	21,000	21,000
19-Aug-12	24.3	17	10	2.4	1.47	1.9	3	18	8.47	2,800	2,800
20-Aug-12	24.4	16	10	1.5	1.27	1.9	3	19	8.73	75	75
21-Aug-12	24.3	17	10	3.2	1.26	1.9	3	19	8.63	23	23
22-Aug-12	24.1	11	7	4.3	1.25	2.0	3	20	8.58	23	9
23-Aug-12	24.4	10	6	8.8	1.24	2.0	3	21	8.28	4	4
24-Aug-12	24.3	9	5	15.1	1.07	1.9	3	22	8.17	23	23
25-Aug-12	23.5	9	5	39.0	1.19	1.9	3	22	8.12	43	43
26-Aug-12	23.8	10	nr	19.0	1.29	1.9	3	22	8.04	230	230
27-Aug-12	24.2	11	7	12.1	1.14	1.9	3	20	8.05	1,500	750
28-Aug-12	23.9	15	8	3.6	0.97	1.9	3	20	8.22	43	43
29-Aug-12	24.5	18	10	1.0	0.83	1.9	3	21	8.60	23	23
30-Aug-12	24.1	16	9	0.5	0.65	1.9	3	21	8.44	23	23
31-Aug-12	23.7	13	8	1.9	0.53	1.8	3	20	8.49	43	43
Max:	29.5										
Min:	23.5										
Average:	24.9	12	7	6.2	1.55			21	8.49		
Total Flow:	772.6										
Geo.Mean:										201	182

Notes:

(1) Effluent ammonia load based upon Raw Sewage flows and Final Cell NH3-N concentrations

(2) nr - not recorded or no result; na - not analyzed; ns - no sample

(3) Where value is expressed as less than (<), the value is halved and used in the calculations

(4) * = 30 day rolling average

(5) Total Nitrogen results are calculated from TKN and nitrate values