

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
October 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-Oct-12	20.5	18	6	0.4	0.05	0.3	2	12	8.33	930	930
2-Oct-12	20.1	23	7	0.4	0.05	0.3	2	12	8.42	430	430
3-Oct-12	20.1	17	6	0.4	0.06	0.2	2	12	8.44	430	430
4-Oct-12	25.4	18	6	2.5	0.07	0.2	2	9	8.32	150	150
5-Oct-12	24.4	22	6	0.7	0.08	0.2	2	5	8.27	150	70
6-Oct-12	22.0	12	5	1.3	0.08	0.2	2	4	8.30	90	40
7-Oct-12	21.0	13	5	0.4	0.07	0.2	2	5	8.24	930	430
8-Oct-12	22.5	13	5	0.7	0.08	0.2	2	5	8.23	230	230
9-Oct-12	32.4	13	4	1.3	0.07	0.2	2	4	8.27	430	230
10-Oct-12	22.4	14	5	0.4	0.07	0.2	2	4	8.25	1,500	1,500
11-Oct-12	21.4	15	nr	0.6	0.06	0.2	2	4	8.20	430	150
12-Oct-12	20.9	14	6	0.4	0.06	0.2	2	3	8.31	430	430
13-Oct-12	21.6	15	5	0.4	0.05	0.2	2	3	8.27	230	230
14-Oct-12	21.8	14	6	0.4	0.05	0.2	2	4	8.19	930	930
15-Oct-12	21.1	11	6	0.4	0.05	0.2	2	4	8.29	430	430
16-Oct-12	20.7	14	7	0.6	0.05	0.2	2	3	8.24	230	93
17-Oct-12	25.7	12	6	2.3	0.04	0.2	2	6	8.24	75,000	430
18-Oct-12	36.6	16	6	4.0	0.05	0.2	2	7	8.14	430	430
19-Oct-12	32.2	14	6	7.1	0.06	0.2	2	6	8.16	150	150
20-Oct-12	24.1	14	6	3.1	0.06	0.2	2	7	8.11	93	93
21-Oct-12	23.5	14	6	1.4	0.06	0.2	2	4	8.14	430	430
22-Oct-12	21.9	12	6	0.4	0.04	0.2	2	6	8.15	930	210
23-Oct-12	29.5	14	6	1.2	0.05	0.2	2	6	8.11	230	230
24-Oct-12	28.2	13	5	1.7	0.05	0.2	2	6	8.00	930	430
25-Oct-12	24.1	10	5	0.7	0.06	0.2	2	6	8.12	230	230
26-Oct-12	23.0	10	3	1.8	0.06	0.2	2	4	8.03	93	93
27-Oct-12	22.9	16	4	0.7	0.07	0.2	2	3	8.06	150	150
28-Oct-12	23.0	11	nr	0.5	0.06	0.2	2	1	8.08	93	93
29-Oct-12	22.1	10	4	2.7	0.06	0.2	2	1	8.01	230	230
30-Oct-12	21.8	12	3	2.6	0.05	0.2	2	1	8.16	43	43
31-Oct-12	21.0	11	4	2.9	0.06	0.2	2	1	8.02	93	93
Max:	36.6										
Min:	20.1										
Average:	23.8	14	5	1.4	0.06			5	8.20		
Total Flow:	737.9										
Geo.Mean:										336	225

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