

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
September 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-Sep-12	22.4	15	5	8.7	0.48	1.8	3	20	8.56	43	43
2-Sep-12	22.2	16	6	5.3	0.45	1.7	3	19	8.20	430	430
3-Sep-12	23.9	17	5	5.3	0.43	1.7	3	19	8.00	230	230
4-Sep-12	24.8	11	5	6.4	0.42	1.6	3	19	8.01	380	380
5-Sep-12	24.0	14	5	4.6	0.36	1.6	3	18	8.04	150	150
6-Sep-12	23.7	13	5	5.5	0.32	1.5	3	18	8.04	230	230
7-Sep-12	23.2	14	6	3.2	0.31	1.4	3	17	8.04	93	93
8-Sep-12	23.3	19	5	3.3	0.25	1.4	3	15	8.16	230	230
9-Sep-12	24.2	19	6	3.6	0.25	1.3	3	15	8.34	24,000	9,300
10-Sep-12	23.4	19	5	0.5	0.20	1.3	3	14	8.34	24,000	24,000
11-Sep-12	22.2	22	6	0.9	0.18	1.2	3	15	8.31	430	230
12-Sep-12	22.4	21	7	0.9	0.16	1.1	3	14	8.41	4,300	4,300
13-Sep-12	22.1	16	8	0.4	0.12	1.1	3	13	8.49	230	230
14-Sep-12	22.0	20	8	0.4	0.12	1.0	3	12	8.59	430	150
15-Sep-12	22.2	16	7	0.4	0.10	0.9	3	12	8.57	930	930
16-Sep-12	23.2	16	7	0.6	0.11	0.7	3	10	8.29	2,300	2,300
17-Sep-12	22.7	33	nr	0.5	0.11	0.9	3	13	8.44	7,500	7,500
18-Sep-12	21.7	16	nr	0.5	0.11	0.8	3	11	8.46	24,000	9,300
19-Sep-12	20.8	20	nr	1.1	0.11	0.7	3	11	8.27	4,300	4,300
20-Sep-12	20.4	19	nr	2.2	0.11	0.7	3	12	8.44	430	230
21-Sep-12	20.8	19	nr	2.9	0.12	0.6	3	10	8.25	1,600	750
22-Sep-12	21.0	14	nr	3.8	0.11	0.6	3	9	8.25	2,300	2,300
23-Sep-12	21.5	18	<3	4.3	0.11	0.5	3	8	8.24	2,800	2,800
24-Sep-12	21.1	18	3	2.3	0.09	0.5	3	9	8.27	2,100	1,200
25-Sep-12	20.3	17	<3	2.8	0.11	0.4	3	10	8.18	1,500	1,500
26-Sep-12	20.6	16	<3	1.7	0.09	0.4	3	9	8.18	430	230
27-Sep-12	20.1	12	4	2.0	0.10	0.4	3	10	8.18	230	230
28-Sep-12	20.0	12	4	5.2	0.09	0.3	3	10	8.03	230	230
29-Sep-12	20.7	15	5	0.4	0.07	0.3	3	11	8.20	150	93
30-Sep-12	21.4	19	6	0.4	0.05	0.3	2	11	8.28	380	230
Max:	24.8										
Min:	20.0										
Average:	22.1	17	5	2.7	0.19			13	8.27		
Total Flow:	662.1										
Geo.Mean:										830	655

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