

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
November 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-Nov-12	21.0	9	4	2.5	0.06	0.2	2	1	8.08	120	120
2-Nov-12	20.9	9	3	3.1	0.06	0.2	2	1	8.08	230	230
3-Nov-12	21.6	9	3	2.4	0.07	0.2	2	0	8.05	43	43
4-Nov-12	21.7	18	3	4.1	0.08	0.2	2	1	8.01	93	93
5-Nov-12	21.3	13	3	2.8	0.07	0.2	2	1	7.99	93	93
6-Nov-12	24.7	15	nr	3.5	0.07	0.2	2	1	8.04	75	75
7-Nov-12	21.4	12	<3	3.0	0.07	0.2	2	1	8.09	230	230
8-Nov-12	21.3	12	3	3.8	0.08	0.2	2	2	8.05	93	21
9-Nov-12	20.9	7	nr	2.9	0.07	0.2	3	0	8.08	75	75
10-Nov-12	21.6	10	nr	3.5	0.07	0.2	3	0	8.07	93	93
11-Nov-12	21.7	9	3	6.1	0.08	0.2	3	0	8.13	23	9
12-Nov-12	21.5	9	<3	2.4	0.08	0.2	3	0	8.02	43	43
13-Nov-12	20.2	6	3	2.4	0.07	0.2	3	0	7.90	4	4
14-Nov-12	21.6	7	<3	3.2	0.07	0.2	3	0	7.97	7	7
15-Nov-12	20.6	6	4	2.7	0.06	0.2	3	0	8.07	7	7
16-Nov-12	20.9	6	4	4.8	0.07	0.2	3	0	7.96	9	4
17-Nov-12	21.5	7	4	3.9	0.06	0.2	3	1	8.06	23	23
18-Nov-12	22.3	7	4	4.2	0.06	0.2	3	2	8.08	43	15
19-Nov-12	21.1	8	5	1.7	0.03	0.2	3	2	8.10	7	3
20-Nov-12	20.9	8	nr	3.5	0.03	0.1	3	1	8.14	23	9
21-Nov-12	21.0	6	5	1.7	0.02	0.1	2	1	8.25	<3	<3
22-Nov-12	20.9	9	5	2.9	0.02	0.1	2	1	8.24	4	4
23-Nov-12	20.6	11	5	3.5	0.02	0.1	2	1	8.33	4	4
24-Nov-12	21.4	7	5	1.7	<0.01	0.1	2	2	8.42	4	4
25-Nov-12	21.9	11	6	4.2	<0.01	0.1	2	2	8.48	<3	<3
26-Nov-12	21.0	10	6	0.8	<0.01	0.1	2	1	8.46	<3	<3
27-Nov-12	20.7	10	6	2.3	<0.01	0.1	2	1	7.99	<3	<3
28-Nov-12	20.9	12	6	0.6	<0.01	0.1	2	1	8.57	<3	<3
29-Nov-12	20.5	10	6	1.0	<0.01	0.1	2	1	8.57	4	4
30-Nov-12	19.6	9	7	2.2	<0.01	0.1	2	1	8.54	4	4
Max:	24.7										
Min:	19.6										
Average:	21.2	9	4	2.9	0.05			1	8.16		
Total Flow:	637.2										
Geo.Mean:										15	12

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