

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
January 2014

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-Jan-14	18.7	12	6	125.3	0.24	0.5	13	0	7.36	4	<3
2-Jan-14	18.6	7	6	122.4	0.25	0.5	13	0	7.53	20	7
3-Jan-14	19.7	ns	ns	ns	ns	0.5	13	0	7.38	15	7
4-Jan-14	19.8	11	6	130.5	0.29	0.5	13	ns	ns	ns	ns
5-Jan-14	20.5	12	nr	140.6	0.17	0.5	12	0	7.23	23	4
6-Jan-14	19.7	8	5	129.8	0.32	0.5	12	0	7.19	9	4
7-Jan-14	19.0	8	5	131.2	0.36	0.5	12	0	7.33	23	9
8-Jan-14	19.0	6	5	128.9	0.35	0.5	12	0	7.32	93	43
9-Jan-14	19.3	7	5	124.3	0.38	0.5	12	0	7.29	150	93
10-Jan-14	19.1	6	4	130.8	0.41	0.5	12	1	7.34	150	150
11-Jan-14	19.9	10	4	135.5	0.40	0.5	12	0	7.22	230	230
12-Jan-14	20.4	9	4	124.5	0.39	0.5	12	0	7.40	230	93
13-Jan-14	20.0	6	4	122.7	0.43	0.4	12	0	7.16	75	75
14-Jan-14	19.3	7	4	117.6	0.40	0.5	12	0	7.14	430	430
15-Jan-14	19.1	6	3	113.7	0.40	0.5	12	0	7.27	430	430
16-Jan-14	19.5	6	4	104.7	0.41	0.5	12	0	7.11	930	35
17-Jan-14	19.2	8	4	103.1	0.44	0.5	11	0	7.15	230	230
18-Jan-14	19.7	7	4	103.7	0.44	0.5	11	0	7.30	230	230
19-Jan-14	20.3	7	4	101.3	0.43	0.5	11	0	7.23	230	230
20-Jan-14	19.4	8	4	94.9	0.44	0.5	11	2	7.17	380	380
21-Jan-14	19.2	7	4	90.8	0.50	0.5	11	0	7.26	150	150
22-Jan-14	19.2	7	4	84.9	0.47	0.5	11	0	7.07	93	43
23-Jan-14	18.9	9	4	82.5	0.47	0.5	11	0	7.13	230	230
24-Jan-14	18.8	6	4	87.2	0.47	0.5	11	0	7.12	230	230
25-Jan-14	20.0	ns	ns	ns	ns	0.5	11	0	7.02	93	93
26-Jan-14	20.2	ns	ns	ns	ns	0.6	11	ns	ns	ns	ns
27-Jan-14	19.1	8	4	82.4	0.52	0.6	10	0	7.16	230	230
28-Jan-14	18.9	7	4	74.2	0.54	0.6	10	0	7.17	230	230
29-Jan-14	19.1	6	4	72.4	0.53	0.6	10	0	7.21	23	23
30-Jan-14	19.4	5	4	71.6	0.53	0.6	10	0	7.13	230	29
31-Jan-14	19.2	6	4	71.0	0.56	0.6	10	0	7.16	150	75
Max:	20.5										
Min:	18.6										
Average:	19.42	8	4	107.2	0.41			0	7.23		
Total Flow:	602.1										
Geo.Mean:										109	64

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