

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
July 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-Jul-14	62.8	31	10	0.3	0.52	1.0	3	18	9.47	23	23
2-Jul-14	47.1	32	9	0.9	0.46	1.0	3	17	9.38	75	43
3-Jul-14	40.7	34	10	1.2	0.44	1.0	3	19	9.59	9	9
4-Jul-14	37.5	33	10	0.2	0.45	1.0	3	20	9.64	23	23
5-Jul-14	33.4	30	11	0.2	0.51	1.0	3	20	9.57	23	9
6-Jul-14	32.7	25	9	0.2	0.52	1.0	3	23	9.61	43	43
7-Jul-14	31.5	23	9	0.2	0.58	1.0	3	23	9.48	43	15
8-Jul-14	30.4	26	8	1.5	0.63	1.0	3	22	9.32	43	43
9-Jul-14	31.0	23	9	0.2	0.69	1.0	3	21	9.39	43	23
10-Jul-14	31.6	19	8	0.2	0.67	1.0	3	22	9.45	93	21
11-Jul-14	31.4	21	9	0.2	0.72	1.0	3	22	9.22	9	9
12-Jul-14	32.7	24	8	1.6	0.74	1.0	3	22	9.26	4	4
13-Jul-14	38.4	26	10	5.4	0.72	1.0	3	21	9.21	9	9
14-Jul-14	35.1	20	9	3.5	0.69	1.0	3	19	9.22	23	23
15-Jul-14	33.0	20	8	1.0	0.69	0.9	3	19	9.32	7	7
16-Jul-14	32.3	14	6	1.6	0.67	0.9	3	20	9.30	15	15
17-Jul-14	32.0	11	6	1.9	0.67	0.9	3	21	9.28	15	9
18-Jul-14	32.0	24	7	2.2	0.65	0.9	3	21	9.25	21	15
19-Jul-14	30.3	29	10	1.2	0.66	0.9	3	21	9.22	9	9
20-Jul-14	30.1	25	10	2.1	0.67	0.9	3	22	9.23	4	4
21-Jul-14	30.8	18	9	1.8	0.64	0.9	3	23	9.30	9	9
22-Jul-14	30.4	44	8	1.2	0.64	0.9	3	23	9.26	15	15
23-Jul-14	29.0	21	8	2.0	0.67	0.9	3	23	9.18	9	9
24-Jul-14	28.4	24	7	3.4	0.72	0.9	3	23	9.13	21	21
25-Jul-14	28.3	21	7	3.1	0.81	0.9	3	22	9.05	9	9
26-Jul-14	27.5	31	9	4.9	0.83	0.9	3	22	8.96	15	7
27-Jul-14	28.1	30	8	1.7	0.81	0.9	3	21	8.90	75	20
28-Jul-14	27.8	29	8	1.4	0.78	0.9	3	21	9.05	43	43
29-Jul-14	27.4	26	9	1.1	0.76	1.0	3	22	9.07	23	23
30-Jul-14	27.3	29	9	0.1	0.71	1.0	3	21	9.12	20	20
31-Jul-14	27.5	35	9	0.1	0.70	1.0	3	23	9.20	15	15
Max:	62.8										
Min:	27.3										
Average:	32.84	26	9	2	0.66			21	9.28		
Total Flow:	1018.1										
Geo.Mean:										18	14

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