

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
April 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-Apr-14	19.4	4	3	56.5	0.27	0.7	9	0	7.10	38	38
2-Apr-14	20.5	5	3	58.7	0.26	0.7	8	0	7.07	93	43
3-Apr-14	20.1	8	3	53.9	0.25	0.6	8	0	7.09	23	9
4-Apr-14	22.3	4	<3	63.4	0.25	0.6	8	0	7.11	93	21
5-Apr-14	26.0	6	3	83.3	0.24	0.6	8	0	7.13	230	230
6-Apr-14	28.4	9	3	75.7	0.23	0.6	8	0	7.19	230	43
7-Apr-14	28.5	7	3	72.9	0.20	0.6	8	1	7.14	75	43
8-Apr-14	28.0	8	4	70.8	0.20	0.6	8	1	7.18	43	23
9-Apr-14	44.5	5	4	103.6	0.18	0.6	8	1	7.28	75	14
10-Apr-14	51.5	8	5	112.2	0.16	0.6	8	1	7.28	430	430
11-Apr-14	42.1	12	6	96.0	0.13	0.5	8	2	7.20	23	23
12-Apr-14	37.0	12	nr	80.2	0.08	0.5	7	1	7.45	<3	<3
13-Apr-14	34.5	14	nr	65.5	0.05	0.5	7	1	7.49	4	4
14-Apr-14	31.2	13	8	54.3	0.04	0.5	7	1	7.53	23	9
15-Apr-14	26.4	15	9	44.9	0.02	0.4	7	1	7.64	4	4
16-Apr-14	25.6	16	9	45.3	0.04	0.4	7	1	7.71	75	43
17-Apr-14	29.5	15	10	54.9	0.02	0.4	7	1	7.88	43	9
18-Apr-14	48.0	21	11	78.2	0.02	0.4	7	1	8.22	7	7
19-Apr-14	59.4	13	8	73.1	<0.01	0.4	7	1	8.23	23	23
20-Apr-14	48.0	20	11	70.6	0.02	0.4	7	1	8.50	9	9
21-Apr-14	54.2	16	10	73.2	0.02	0.4	7	1	8.79	9	9
22-Apr-14	50.5	14	10	62.1	0.01	0.4	7	3	9.12	23	23
23-Apr-14	43.6	14	9	52.3	<0.01	0.4	7	4	9.07	14	14
24-Apr-14	38.2	17	11	66.1	0.02	0.4	7	4	9.01	23	23
25-Apr-14	65.0	15	8	94.3	0.02	0.4	7	4	8.98	23	23
26-Apr-14	45.2	14	7	61.5	0.02	0.4	7	1	8.92	9	9
27-Apr-14	37.0	14	7	52.5	0.02	0.4	6	1	8.94	9	4
28-Apr-14	43.5	7	8	50.0	0.02	0.4	6	2	8.86	20	20
29-Apr-14	46.4	15	7	52.9	0.02	0.4	6	2	8.85	9	9
30-Apr-14	34.7	12	7	38.5	0.03	0.3	6	2	7.20	<3	<3
Max:	65.0										
Min:	19.4										
Average:	37.63	12	7	67	0.10			1	7.91		
Total Flow:	1129.0										
Geo.Mean:										23	16

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