

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
April 2013

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-13	23.0	6	4	237.2	0.51	0.7	10	nr	7.22	930	930
2-Apr-13	22.7	5	4	229.2	0.50	0.7	10	1	7.17	430	430
3-Apr-13	22.2	<4	4	218.0	0.47	0.7	10	1	7.16	930	930
4-Apr-13	22.7	5	4	216.2	0.46	0.7	11	1	7.15	430	230
5-Apr-13	23.3	9	4	216.3	0.46	0.7	11	1	7.18	230	93
6-Apr-13	25.1	8	nr	241.4	0.47	0.7	11	1	7.25	230	230
7-Apr-13	26.2	6	4	234.1	0.44	0.7	11	1	7.19	93	43
8-Apr-13	23.1	6	4	210.4	0.42	0.7	11	1	7.15	230	230
9-Apr-13	22.1	6	4	182.0	0.41	0.7	11	1	7.22	75	38
10-Apr-13	23.2	5	4	179.2	0.41	0.7	11	0	7.14	15	4
11-Apr-13	25.0	12	4	188.6	0.39	0.7	11	1	7.37	43	15
12-Apr-13	28.0	4	5	191.2	0.40	0.7	11	0	7.17	15	15
13-Apr-13	29.9	6	5	191.7	0.37	0.7	12	0	7.23	15	4
14-Apr-13	32.5	7	5	202.1	0.37	0.7	12	1	7.29	43	43
15-Apr-13	33.1	6	6	193.0	0.34	0.7	12	1	7.39	23	23
16-Apr-13	28.6	7	5	161.2	0.34	0.7	12	1	7.25	9	9
17-Apr-13	28.7	8	5	160.0	0.33	0.7	12	1	7.29	<3	<3
18-Apr-13	34.6	12	5	176.6	0.30	0.7	12	1	7.30	20	9
19-Apr-13	33.4	15	7	150.3	0.23	0.7	12	1	7.33	21	21
20-Apr-13	31.1	15	8	125.2	0.19	0.7	11	1	7.44	43	15
21-Apr-13	35.1	19	8	120.4	0.11	0.7	11	1	7.56	93	93
22-Apr-13	37.4	21	5	94.6	0.02	0.6	11	1	7.71	430	150
23-Apr-13	33.5	26	<3	63.4	0.01	0.6	11	2	8.16	23	23
24-Apr-13	33.4	33	12	43.4	0.02	0.6	11	1	7.81	21	9
25-Apr-13	34.6	32	14	34.3	<0.01	0.6	11	2	9.03	9	4
26-Apr-13	42.0	37	18	51.2	0.05	0.6	11	3	9.14	4	4
27-Apr-13	57.8	38	16	34.7	<0.01	0.6	10	2	9.38	<3	<3
28-Apr-13	52.5	36	16	23.6	0.01	0.6	10	3	9.37	23	23
29-Apr-13	43.2	28	12	15.6	<0.01	0.6	10	3	9.59	<3	<3
30-Apr-13	47.2	26	14	11.3	<0.01	0.6	9	3	9.52	23	9
Max:	57.8										
Min:	22.1										
Average:	31.85	15	7	147	0.27			1	7.74		
Total Flow:	955.4										
Geo.Mean:										39	26

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