

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
September 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
										(mg/L)	
1-Sep-14	45.3	40	nr	0.2	0.61	1.2	3	18	9.11	430	430
2-Sep-14	35.3	nr	10	0.2	0.58	1.2	3	19	9.21	930	210
3-Sep-14	32.8	40	nr	0.2	0.56	1.2	3	19	9.26	430	150
4-Sep-14	38.5	42	nr	0.8	0.54	1.2	3	19	9.30	23	23
5-Sep-14	38.6	44	10	0.2	0.50	1.2	3	17	9.29	230	230
6-Sep-14	35.8	47	nr	0.2	0.44	1.2	3	17	9.38	430	230
7-Sep-14	34.0	43	nr	0.2	0.42	1.2	3	17	9.45	750	750
8-Sep-14	32.0	46	10	1.3	0.42	1.2	3	18	9.44	430	430
9-Sep-14	30.5	44	10	0.2	0.39	1.1	3	16	9.41	430	430
10-Sep-14	29.8	40	10	0.1	0.37	1.1	3	14	9.44	430	230
11-Sep-14	28.2	42	10	0.1	0.32	1.1	3	13	9.41	430	430
12-Sep-14	26.8	61	10	0.1	0.30	1.1	3	12	9.45	430	430
13-Sep-14	27.0	57	9	0.1	0.19	1.1	3	12	9.45	230	230
14-Sep-14	27.6	54	10	0.8	0.16	1.1	3	12	9.33	430	430
15-Sep-14	26.5	56	10	0.1	0.13	1.0	3	12	9.26	930	430
16-Sep-14	25.5	46	10	1.3	0.11	1.0	3	13	9.33	430	430
17-Sep-14	24.5	48	10	0.1	0.08	1.0	3	12	9.41	430	430
18-Sep-14	24.4	50	10	0.1	0.07	1.0	3	12	9.37	2,300	2,300
19-Sep-14	24.6	57	10	0.1	0.08	0.9	3	14	9.30	1,500	750
20-Sep-14	32.9	49	10	0.2	0.09	0.9	3	14	9.20	9,300	9,300
21-Sep-14	27.5	40	9	0.1	0.11	0.9	3	14	9.21	2,300	2,300
22-Sep-14	25.8	42	11	0.1	0.12	0.9	3	14	9.21	930	430
23-Sep-14	25.0	49	10	0.1	0.16	0.8	3	15	9.28	430	230
24-Sep-14	24.7	36	10	1.0	0.21	0.8	3	16	9.17	2,300	2,300
25-Sep-14	24.8	42	9	0.1	0.26	0.8	3	16	9.08	930	930
26-Sep-14	25.4	46	9	0.1	0.34	0.8	3	18	8.94	430	430
27-Sep-14	25.3	45	8	1.3	0.37	0.8	3	19	8.87	2,100	750
28-Sep-14	30.4	40	7	16.7	0.45	0.8	3	18	8.78	2,300	2,300
29-Sep-14	27.1	nr	8	2.2	0.39	0.8	3	10	8.70	2,300	2,300
30-Sep-14	25.6	38	8	11.5	0.42	0.7	3	9	8.76	2,300	2,300
Max:	45.3										
Min:	24.4										
Average:	29.40	46	10	1.3	0.31			15	9.23		
Total Flow:	882.1									719	557
Geo.Mean:											

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