

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
October 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-Oct-14	25.6	44	8	1.8	0.38	0.7	3	9	8.79	750	750
2-Oct-14	24.3	46	9	0.1	0.35	0.7	3	14	8.75	430	430
3-Oct-14	24.3	53	9	2.7	0.36	0.7	3	11	8.85	1,500	1,500
4-Oct-14	24.3	57	8	8.3	0.31	0.7	3	9	8.79	430	430
5-Oct-14	25.0	46	9	1.2	0.27	0.7	3	8	8.79	4,300	4,300
6-Oct-14	23.7	52	9	2.1	0.21	0.7	3	7	8.90	930	930
8-Oct-14	22.9	70	9	1.6	0.18	0.7	3	6	8.90	15,000	2,000
9-Oct-14	22.5	64	9	0.1	0.24	0.7	3	6	8.91	430	430
7-Oct-14	22.5	60	9	2.3	0.17	0.7	3	7	8.85	430	430
10-Oct-14	22.3	49	nr	1.1	0.13	0.7	3	6	9.05	430	430
11-Oct-14	22.4	58	11	2.0	0.12	0.7	3	6	8.88	430	430
12-Oct-14	22.2	59	12	1.1	0.10	0.6	3	7	8.95	930	930
13-Oct-14	22.7	75	10	0.1	0.08	0.6	3	8	8.99	930	930
14-Oct-14	22.3	54	14	2.2	0.07	0.6	3	9	8.98	430	430
15-Oct-14	21.9	60	11	0.1	0.05	0.6	3	9	9.20	930	930
16-Oct-14	21.8	54	nr	0.1	0.04	0.6	3	10	9.16	230	230
17-Oct-14	21.4	52	12	0.1	0.04	0.6	3	9	9.16	230	93
18-Oct-14	21.7	61	15	0.1	0.03	0.6	3	8	9.16	230	230
19-Oct-14	22.5	64	15	0.1	0.02	0.6	3	8	9.11	93	93
20-Oct-14	21.9	70	18	0.1	0.02	0.6	3	8	9.15	210	210
21-Oct-14	21.4	78	15	0.1	0.02	0.6	3	8	9.13	230	230
22-Oct-14	21.2	76	15	0.6	0.02	0.6	3	9	9.10	430	430
23-Oct-14	21.8	80	16	0.7	0.02	0.6	3	9	8.93	430	430
24-Oct-14	21.6	80	16	3.9	0.05	0.6	3	10	8.96	210	210
25-Oct-14	22.0	87	17	7.0	0.35	0.6	3	9	9.02	23	23
26-Oct-14	21.8	88	17	2.6	0.04	0.6	3	8	9.10	430	430
27-Oct-14	22.3	88	15	7.8	0.06	0.6	3	8	8.91	430	430
28-Oct-14	21.1	94	16	11.0	0.08	0.6	4	7	8.84	930	930
29-Oct-14	21.2	72	15	11.9	0.09	0.6	4	6	8.73	730	730
30-Oct-14	21.1	72	14	15.6	0.10	0.7	4	6	8.71	2,300	2,300
31-Oct-14	20.9	89	17	24.9	0.14	0.6	4	3	8.82	150	75
Max:	25.6										
Min:	20.9										
Average:	22.41	66	13	4	0.13			8	8.95		
Total Flow:	694.8									494	439
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