

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
August 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-Aug-14	27.5	28	8	0.1	0.70	1.0	3	24	9.26	15	15
2-Aug-14	26.7	30	8	0.1	0.74	1.0	3	25	9.29	15	15
3-Aug-14	25.2	31	9	0.1	0.77	1.0	3	24	9.16	43	15
4-Aug-14	26.4	33	9	0.1	0.79	1.0	3	24	9.24	43	43
5-Aug-14	26.8	27	10	1.3	0.86	1.0	3	24	9.11	43	43
6-Aug-14	26.6	20	9	0.1	0.89	1.0	3	24	nr	9	9
7-Aug-14	26.6	31	9	0.1	0.94	1.0	3	24	9.09	4	4
8-Aug-14	29.9	31	8	5.4	1.01	1.0	3	23	8.86	9	9
9-Aug-14	26.5	30	8	0.1	1.00	1.1	3	24	8.91	7	3
10-Aug-14	30.4	29	9	0.2	0.95	1.1	3	24	8.93	43	4
11-Aug-14	26.6	34	10	0.1	0.93	1.1	3	23	8.99	9	9
12-Aug-14	26.3	29	9	0.1	0.90	1.1	3	23	9.04	150	75
13-Aug-14	26.0	32	10	0.1	0.88	1.1	3	22	9.01	93	93
14-Aug-14	26.1	39	7	0.1	nr	1.1	3	22	9.07	930	930
15-Aug-14	26.2	32	9	0.1	0.95	1.1	3	23	9.09	43	43
16-Aug-14	25.5	38	9	0.1	0.91	1.1	3	24	9.20	23	23
17-Aug-14	25.8	30	10	0.1	0.95	1.1	3	22	9.11	430	430
18-Aug-14	36.9	35	8	0.2	0.93	1.2	3	22	9.02	75	75
19-Aug-14	28.8	34	10	0.1	0.89	1.2	3	22	9.07	23	23
20-Aug-14	27.2	30	8	0.1	0.91	1.2	3	23	9.16	20	20
21-Aug-14	29.3	33	7	0.1	0.96	1.2	3	23	9.06	15	15
22-Aug-14	45.9	40	9	0.2	1.00	1.2	3	23	9.00	75	23
23-Aug-14	32.5	41	9	0.2	1.02	1.2	3	21	8.91	73	73
24-Aug-14	61.6	31	8	0.6	0.98	1.2	3	20	8.83	150	150
25-Aug-14	39.7	39	nr	0.2	0.95	1.2	3	19	8.93	93	93
26-Aug-14	33.5	30	8	0.2	0.87	1.2	3	18	8.84	2,300	290
27-Aug-14	31.0	35	9	0.2	0.79	1.2	3	17	9.02	15	15
28-Aug-14	29.9	35	10	0.1	0.73	1.2	3	18	9.11	43	45
29-Aug-14	37.0	63	9	0.2	0.69	1.2	3	20	9.16	29	29
30-Aug-14	31.8	44	nr	0.2	0.65	1.2	3	18	9.12	43	15
31-Aug-14	45.4	39	8	0.2	0.62	1.2	3	19	9.21	380	380
Max:	61.6										
Min:	25.2										
Average:	31.15	34	9	0.4	0.87			22	9.06		
Total Flow:	965.5									45	34
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