

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

August 2015

Licence # 2669 E RR	File # 53.10	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-Aug-15	24.2	16	5	0.1	0.25	0.9	2	21	9.59	86	86
2-Aug-15	23.3	NS	NS	NS	NS	0.8	1	22	9.59	9	9
3-Aug-15	24.5	NS	NS	NS	NS	0.8	1	21	9.60	36	36
4-Aug-15	24.8	21	NR	0.1	0.24	0.8	1	21	9.61	15	15
5-Aug-15	31.7	NS	NS	NS	NS	0.7	1	21	9.66	23	23
6-Aug-15	51.2	27	>10	0.3	0.21	0.7	1	NS	NS	NS	NS
7-Aug-15	34.2	25	9	0.2	0.28	0.7	1	20	9.52	36	36
8-Aug-15	30.8	27	8	0.2	0.27	0.6	1	20	9.50	36	36
9-Aug-15	29.5	22	8	0.1	0.25	0.6	1	21	9.62	15	15
10-Aug-15	28.0	15	9	0.1	0.25	0.6	1	22	9.56	36	36
11-Aug-15	26.4	16	8	0.1	0.27	0.6	1	23	9.62	4	4
12-Aug-15	33.7	20	8	0.2	0.31	0.6	1	23	9.63	9	9
13-Aug-15	30.0	15	8	0.1	0.34	0.6	1	NS	NS	NS	NS
14-Aug-15	27.2	16	6	0.1	0.34	0.6	1	24	9.59	23	23
15-Aug-15	26.4	12	5	0.1	0.37	0.6	1	25	9.61	23	23
16-Aug-15	25.2	11	4	0.1	0.45	0.5	1	23	9.49	23	23
17-Aug-15	25.2	11	5	0.1	0.43	0.5	1	17	9.48	4	4
18-Aug-15	24.7	13	7	0.1	0.49	0.5	1	21	9.52	9	9
19-Aug-15	24.5	14	5	0.1	0.45	0.5	1	20	9.53	23	4
20-Aug-15	23.8	16	6	0.1	0.44	0.6	1	20	9.54	9	9
21-Aug-15	23.3	14	6	1.2	0.43	0.6	1	20	9.56	23	23
22-Aug-15	46.0	13	NR	0.9	0.45	0.6	1	21	9.58	92	92
23-Aug-15	55.5	14	NR	2.2	0.47	0.6	1	19	9.45	2,800	2,800
24-Aug-15	41.3	12	NR	0.2	0.45	0.6	1	16	9.49	36	36
25-Aug-15	33.1	15	NR	0.2	0.41	0.6	1	17	9.47	43	43
26-Aug-15	30.2	16	7	0.2	0.39	0.6	1	19	9.59	43	43
27-Aug-15	30.3	14	7	2.1	0.40	0.6	1	18	9.60	9	9
28-Aug-15	28.6	17	7	0.6	0.40	0.5	1	20	9.59	23	23
29-Aug-15	26.2	21	6	0.1	0.39	0.5	1	20	9.60	23	23
30-Aug-15	26.8	15	6	0.1	0.46	0.5	1	21	9.53	23	23
31-Aug-15	26.9	15	7	0.1	0.46	0.6	1	22	9.45	7	4
Max:	55.5										
Min:	23.3										
Average:	30.2	17	7	0.4	0.37			20	9.56		
Total Flow:	937.4										
Geo.Mean:										24	22

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