

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
August 2016**

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-16	35.2	18	3	10	0.80	1.0	11.1	24.2	8.78	7	4
2-Aug-16	30.6	15	3	7.7	0.85	1.0	10.5	22.9	8.73	43	43
3-Aug-16	28.3	17	3	4.0	0.87	1.0	9.9	23.4	8.78	23	23
4-Aug-16	28.3	29	5	5.4	0.85	1.0	9.3	22.8	8.81	43	43
5-Aug-16	26.7	27	4	17	0.94	1.0	8.7	22.0	8.78	93	93
6-Aug-16	25.6	29	5	3.1	0.95	1.0	8.1	22.1	8.80	43	43
7-Aug-16	25.6	25	5	1.8	0.93	1.0	7.5	22.4	9.03	23	23
8-Aug-16	25.9	32	6	2.3	0.88	1.0	7.0	23.1	9.13	23	23
9-Aug-16	25.1	42	6	2.3	0.92	1.0	6.3	22.5	8.98	110	110
10-Aug-16	24.6	31	4	3.2	0.98	1.0	5.8	21.5	9.02	43	43
11-Aug-16	25.0	33	5	0.1	0.91	1.0	5.3	22.6	9.13	240	240
12-Aug-16	24.6	ns	ns	ns	ns	1.0	4.9	22.8	9.12	9	9
13-Aug-16	24.4	ns	ns	ns	ns	1.0	4.9	22.0	9.18	43	15
14-Aug-16	24.5	ns	ns	ns	ns	1.0	4.6	21.4	9.20	43	43
15-Aug-16	28.9	ns	ns	ns	ns	1.0	4.3	22.1	8.82	43	43
16-Aug-16	27.8	30	6	0.1	0.79	1.0	3.9	22.3	9.13	43	43
17-Aug-16	25.9	29	5	0.1	0.75	1.0	3.7	23.2	9.17	15	15
18-Aug-16	44.6	21	5	2.2	0.85	1.1	3.4	23.1	9.12	43	9
19-Aug-16	28.7	23	4	2.6	0.95	1.1	3.1	22.6	9.12	23	23
20-Aug-16	26.0	23	5	7.3	0.98	1.1	3.1	21.2	9.08	43	43
21-Aug-16	25.8	17	3	9.0	0.70	1.1	3.1	20.4	9.03	43	43
22-Aug-16	25.9	16	3	8.3	0.99	1.1	3.0	20.3	9.02	15	15
23-Aug-16	25.9	ns	ns	ns	ns	1.1	3.0	21.5	9.01	4	4
24-Aug-16	25.1	13	4	12	1.04	1.1	3.0	21.0	8.99	93	93
25-Aug-16	26.3	17	4	28	1.13	1.1	3.0	20.3	9.00	43	23
26-Aug-16	24.3	11	3	20	0.96	1.1	3.0	19.7	9.04	4	4
27-Aug-16	23.7	14	<3	11	0.96	1.2	2.9	19.1	9.08	9	4
28-Aug-16	24.2	10	<3	10	0.94	1.2	2.9	19.3	9.05	43	43
29-Aug-16	24.4	11	5	10	1.03	1.2	2.8	20.6	9.02	9	9
30-Aug-16	23.9	6	<3	7.6	1.03	1.2	2.8	20.5	9.08	3	3
31-Aug-16	23.7	9	<3	10	0.88	1.2	2.7	20.8	9.11	9	9
Max:	44.6										
Min:	23.7										
Average:	26.8	21	4	7	0.92			21.7	9.01		
Total Flow:	829.6										
Geo.Mean:										26	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