

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

December 2019

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
Date	Final Effluent Daily Flow ML										
1-Dec-19	24.5	ns	ns	ns	ns	0.2	3.0	ns	ns	ns	ns
2-Dec-19	24.3	ns	ns	ns	ns	0.2	3.1	2.2	8.48	<10	<10
3-Dec-19	24.0	14	7	9.6	0.034	0.2	3.1	3.2	8.40	<10	<10
4-Dec-19	23.8	9	6	5.9	0.051	0.2	3.2	3.4	8.39	<10	<10
5-Dec-19	23.5	11	6	6.0	0.037	0.2	3.3	3.5	8.32	<10	<10
6-Dec-19	23.3	7	6	7.1	0.049	0.2	3.3	4.2	8.26	20	<10
7-Dec-19	23.0	11	8	6.6	0.059	0.2	3.5	2.8	8.16	<10	<10
8-Dec-19	22.8	10	7	14.0	0.039	0.2	3.5	2.6	8.24	10	<10
9-Dec-19	22.6	14	7	8.2	0.024	0.2	3.6	2.9	8.16	<10	<10
10-Dec-19	22.3	15	10	7.3	0.040	0.3	3.7	2.3	8.27	<10	<10
11-Dec-19	22.1	15	7	7.3	0.053	0.3	3.8	3.2	8.23	nr	nr
12-Dec-19	22.1	8	5	9.7	0.058	0.3	3.9	2.9	8.22	<10	<10
13-Dec-19	21.8	14	6	7.9	0.058	0.3	3.9	3.5	8.14	<10	<10
14-Dec-19	21.7	12	7	11.4	0.104	0.3	4.0	2.5	8.17	<10	<10
15-Dec-19	21.6	12	7	9.7	0.077	0.3	4.1	3.3	8.02	<10	<10
16-Dec-19	21.5	11	5	14.5	0.125	0.3	4.2	3.8	8.04	10	<10
17-Dec-19	21.3	11	7	11.6	0.109	0.3	4.3	3.0	8.00	10	<10
18-Dec-19	21.2	ns	ns	ns	ns	0.3	4.3	2.7	8.00	10	<10
19-Dec-19	21.1	12	7	21.1	0.217	0.3	4.4	3.3	7.91	<10	10
20-Dec-19	21.0	8	6	12.4	0.205	0.3	4.5	3.1	7.89	<10	<10
21-Dec-19	20.9	13	6	34.3	0.205	0.3	4.6	1.8	7.91	10	<10
22-Dec-19	20.8	11	6	12.2	0.198	0.3	4.6	2.1	7.88	10	10
23-Dec-19	20.8	14	4	11.3	0.223	0.3	4.8	2.9	7.80	<10	<10
24-Dec-19	20.6	11	6	28.6	0.219	0.3	4.9	3.1	7.89	<10	<10
25-Dec-19	20.5	13	6	11.0	0.218	0.3	4.9	2.6	7.79	10	<10
26-Dec-19	20.4	11	6	11.6	0.248	0.3	5.0	3.6	7.82	<10	<10
27-Dec-19	20.3	10	5	9.8	0.432	0.3	5.1	4.5	7.75	20	<10
28-Dec-19	20.3	8	6	11.0	0.253	0.3	5.2	4.3	7.68	10	<10
29-Dec-19	20.2	10	5	11.7	0.206	0.3	5.3	2.3	7.66	<10	10
30-Dec-19	20.1	11	5	12.7	0.295	0.4	5.4	2.4	7.66	<10	10
31-Dec-19	20.0	6	5	13.7	0.504	0.4	5.4	3.0	7.70	<10	<10
Max:	24.5										
Min:	20.0										
Average:	21.8	11	6	12.1	0.2			3.0	8.03		
Total Flow:	674.4										
Geo.Mean:										7	6

Notes:

- (1) nr - not recorded or no result; na - not analyzed; ns - no sample
- (2) Where value is expressed as less than (<), the value is halved and used in the calculations
- (3) * = 30 day rolling average