

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

December 2020

Licence # 2669 E RR	File # 53.10	Final Effluent 24 Hour Composite						Final Effluent Grab Sample					
		Date	Final Effluent Daily Flow	TSS	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform	E.Coli
			ML	(mg/L)	(mg/L)	(kg NH3-N/day)	(mg/L-P)	(mg/L-P)*	(mg/L-N)*	(°C)	(units)	MPN/100 mL	
1-Dec-20	17.0	17	5	1.0	0.114	0.5	3.3	4.1	9.39	<10	<10		
2-Dec-20	17.0	15	5	0.8	0.083	0.5	3.3	4.2	9.33	10	<10		
3-Dec-20	17.1	15	6	0.6	0.077	0.4	3.3	3.6	9.38	10	<10		
4-Dec-20	17.1	15	5	0.8	0.094	0.4	3.2	3.4	9.25	<10	10		
5-Dec-20	17.1	13	5	2.1	nr	0.4	3.2	2.6	9.26	<10	10		
6-Dec-20	17.1	10	5	1.2	0.069	0.4	3.2	2.2	9.25	<10	<10		
7-Dec-20	17.1	10	4	1.3	0.101	0.4	3.2	3.5	9.19	<10	10		
8-Dec-20	17.2	13	5	1.8	0.077	0.4	3.2	4.0	9.16	10	<10		
9-Dec-20	17.6	9	4	2.6	0.077	0.4	3.2	4.1	9.07	<10	<10		
10-Dec-20	17.7	10	5	1.6	0.076	0.4	3.2	3.6	9.14	<10	10		
11-Dec-20	17.7	7	nr	1.8	0.140	0.4	3.2	3.6	9.05	<10	20		
12-Dec-20	17.6	10	4	1.8	0.082	0.4	3.3	2.3	9.05	<10	<10		
13-Dec-20	17.7	10	4	2.7	0.119	0.4	3.3	2.2	9.03	<10	<10		
14-Dec-20	17.7	9	4	2.0	0.068	0.4	3.3	2.5	8.96	<10	<10		
15-Dec-20	17.4	10	4	2.6	0.085	0.4	3.4	3.6	8.88	<10	10		
16-Dec-20	17.3	12	6	2.4	0.157	0.4	3.4	3.0	8.95	10	<10		
17-Dec-20	17.3	11	5	1.8	0.070	0.4	3.4	6.6	8.72	<10	<10		
18-Dec-20	17.2	9	5	5.9	0.094	0.4	3.5	3.3	8.84	<10	10		
19-Dec-20	17.4	10	5	2.2	0.077	0.4	3.5	2.0	8.86	<10	10		
20-Dec-20	17.7	14	4	2.6	0.077	0.4	3.5	2.1	8.75	<10	10		
21-Dec-20	17.7	14	4	2.9	0.098	0.4	3.6	3.4	8.74	<10	10		
22-Dec-20	17.3	11	4	3.0	0.086	0.4	3.7	3.6	8.66	10	10		
23-Dec-20	17.4	12	4	4.3	0.079	0.4	3.7	3.4	8.58	<10	<10		
24-Dec-20	17.4	11	5	3.3	0.057	0.4	3.7	2.4	8.64	10	20		
25-Dec-20	17.3	10	5	2.8	0.065	0.4	3.8	1.6	8.63	<10	<10		
26-Dec-20	17.4	11	nr	4.4	0.077	0.4	3.8	1.8	8.56	<10	10		
27-Dec-20	17.3	15	6	2.9	0.079	0.4	3.9	1.7	8.47	20	30		
28-Dec-20	17.4	12	5	2.9	0.078	0.3	3.9	1.4	8.55	<10	10		
29-Dec-20	17.4	8	5	3.7	0.069	0.3	4.0	3.2	8.39	10	<10		
30-Dec-20	17.4	10	7	4.4	0.105	0.3	4.1	3.3	8.36	10	<10		
31-Dec-20	17.4	9	6	3.7	0.071	0.3	4.2	3.0	8.33	10	10		
Max:	17.7												
Min:	17.0												
Average:	17.4	11	5	2.5	0.087			3.1	8.88				
Total Flow:	538.4												
Geo.Mean:										6	8		

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