

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
December 2018**

Licence # 2669 E RR	File # 53.10	Final Effluent 24 Hour Composite						Final Effluent Grab Sample					
		Date	Final Effluent Daily Flow ML	TSS	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform	E.Coli
				(mg/L)	(mg/L)	(kg NH3-N/day)	(mg/L-P)	(mg/L-P)*	(mg/L-N)*	(°C)	(units)	MPN/100 mL	
1-Dec-18	19.2	17	8	9.4	0.05	0.3	3.1	2.9	8.52	<10	<10		
2-Dec-18	19.2	15	8	12.3	0.07	0.3	3.1	1.7	8.37	<10	<10		
3-Dec-18	19.1	12	7	15.5	0.08	0.3	3.1	3.0	8.27	10	<10		
4-Dec-18	19.1	13	8	14.7	0.09	0.3	3.1	2.4	8.11	<10	<10		
5-Dec-18	19.0	14	7	16.5	0.11	0.3	3.1	2.2	8.11	10	<10		
6-Dec-18	18.9	11	5	15.1	0.11	0.3	3.2	2.3	8.31	10	10		
7-Dec-18	18.8	10	6	16.6	0.13	0.3	3.2	2.4	8.03	10	10		
8-Dec-18	18.8	11	nr	17.1	0.16	0.3	3.2	2.7	7.95	40	<10		
9-Dec-18	18.8	9	nr	18.6	0.17	0.3	3.2	1.3	7.90	30	<10		
10-Dec-18	18.6	6	nr	19.9	0.16	0.3	3.3	2.8	7.82	20	20		
11-Dec-18	18.7	10	5	20.6	0.18	0.3	3.3	2.4	7.78	20	10		
12-Dec-18	18.7	9	5	22.0	0.19	0.3	3.3	3.0	7.76	30	10		
13-Dec-18	18.6	7	4	21.8	0.20	0.3	3.4	2.1	7.69	20	40		
14-Dec-18	18.6	9	4	25.6	0.20	0.3	3.4	1.8	7.64	20	30		
15-Dec-18	18.5	7	4	23.1	0.19	0.3	3.5	1.1	7.67	50	50		
16-Dec-18	18.6	9	4	23.6	0.19	0.3	3.5	1.0	7.55	40	40		
17-Dec-18	18.7	7	3	24.7	0.22	0.3	3.5	1.8	7.63	10	20		
18-Dec-18	18.8	6	3	23.7	0.21	0.4	3.6	2.7	7.57	20	40		
19-Dec-18	18.9	6	3	24.6	0.21	0.4	3.6	3.6	7.60	40	40		
20-Dec-18	18.9	6	3	24.8	0.19	0.4	3.7	1.4	7.58	20	40		
21-Dec-18	19.1	4	3	27.7	0.31	0.4	3.7	2.0	7.53	50	10		
22-Dec-18	19.2	5	<3	31.1	0.29	0.4	3.8	2.3	7.51	10	100		
23-Dec-18	19.2	3	<3	26.3	0.25	0.4	3.9	0.7	7.45	90	40		
24-Dec-18	19.1	3	nr	26.6	0.24	0.4	4.0	2.1	7.42	40	20		
25-Dec-18	19.1	4	<3	25.0	0.24	0.4	4.1	2.3	7.45	40	50		
26-Dec-18	19.2	4	nr	25.5	0.24	0.4	4.2	0.7	7.38	50	70		
27-Dec-18	19.0	3	nr	35.9	0.30	0.4	4.3	1.8	7.46	50	50		
28-Dec-18	18.9	4	nr	25.6	nr	0.4	4.4	3.3	7.48	80	80		
29-Dec-18	18.9	3	<3	24.6	0.32	0.4	4.4	2.2	7.42	20	40		
30-Dec-18	18.8	3	<3	25.8	0.31	0.4	4.5	0.6	7.44	110	80		
31-Dec-18	18.8	2	<3	24.2	0.36	0.4	4.6	2.7	7.41	60	60		
Max:	19.2												
Min:	18.5												
Average:	18.9	7	4	22.2	0.20			2.1	7.74				
Total Flow:	585.7												
Geo.Mean:										24	21		

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