

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
December 2017**

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-17	18.4	12	4	0.7	0.02	0.3	4.4	3.8	8.51	<10	<10		
2-Dec-17	18.4	10	4	0.4	0.02	0.3	4.4	1.9	8.56	<10	<10		
3-Dec-17	18.4	11	5	0.4	0.05	0.3	4.5	3.8	8.50	<10	<10		
4-Dec-17	18.3	9	4	0.7	0.03	0.3	4.5	3.3	8.49	<10	<10		
5-Dec-17	18.2	9	8	1.1	0.02	0.3	4.6	3.5	8.35	<10	<10		
6-Dec-17	18.2	8	5	1.5	0.05	0.2	4.6	3.1	8.35	10	<10		
7-Dec-17	18.2	9	6	0.4	<0.01	0.2	4.6	nr	8.35	20	<10		
8-Dec-17	18.1	12	nr	0.4	0.06	0.2	4.7	2.6	8.31	20	30		
9-Dec-17	18.2	11	7	1.5	0.05	0.2	4.8	1.2	8.05	<10	40		
10-Dec-17	18.3	8	7	0.5	0.06	0.2	4.8	1.2	8.35	30	10		
11-Dec-17	18.3	13	nr	0.1	<0.01	0.2	4.9	2.5	8.26	30	10		
12-Dec-17	18.3	9	8	0.1	<0.01	0.2	4.9	6.2	8.19	<10	<10		
13-Dec-17	18.3	14	10	0.7	0.03	0.2	5.0	2.1	8.27	20	30		
14-Dec-17	18.3	12	10	1.6	0.03	0.2	5.1	2.2	8.28	<10	10		
15-Dec-17	18.3	9	9	1.1	<0.01	0.2	5.2	1.9	nr	60	10		
16-Dec-17	18.3	12	10	2.6	<0.01	0.2	5.2	1.9	8.10	10	30		
17-Dec-17	18.3	9	10	2.6	0.04	0.2	5.3	1.3	8.22	20	20		
18-Dec-17	18.3	12	nr	4.2	0.04	0.2	5.3	3.4	8.11	30	30		
19-Dec-17	18.2	8	9	4.7	0.07	0.2	5.4	2.7	8.03	30	40		
20-Dec-17	18.2	8	9	5.8	0.08	0.2	5.4	2.4	7.99	40	nr		
21-Dec-17	18.3	10	9	9.7	0.08	0.2	5.5	1.7	7.99	50	80		
22-Dec-17	18.3	9	10	4.6	0.08	0.2	5.5	2.6	8.03	120	70		
23-Dec-17	18.3	8	10	6.2	0.10	0.2	5.5	3.4	7.92	10	60		
24-Dec-17	18.3	10	9	6.2	0.10	0.2	5.6	2.8	7.81	50	50		
25-Dec-17	18.2	11	8	7.7	0.09	0.2	5.6	7.7	7.55	<10	10		
26-Dec-17	18.2	6	7	8.4	<0.01	0.2	5.7	1.5	7.66	80	100		
27-Dec-17	18.2	8	7	9.3	0.13	0.2	5.7	1.3	7.77	50	30		
28-Dec-17	18.2	6	8	10.3	0.14	0.2	5.8	1.2	7.60	140	60		
29-Dec-17	18.1	6	8	11.2	0.17	0.2	5.8	2.1	7.66	10	40		
30-Dec-17	18.1	7	7	11.2	0.20	0.2	5.8	2.6	7.56	nr	30		
31-Dec-17	18.0	9	8	11.9	0.21	0.2	5.9	1.1	7.54	20	30		
Max:	18.4												
Min:	18.0												
Average:	18.2	10	8	4.1	0.06			2.6	8.08				
Total Flow:	565.4												
Geo.Mean:										18	19		

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