

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

May 2019

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-May-19	21.6	48	13	0.1	<0.013	0.3	3.2	7.6	9.67	10	30		
2-May-19	21.8	46	12	6.5	0.037	0.3	3.0	8.2	9.78	30	40		
3-May-19	21.5	52	11	1.5	0.014	0.3	2.9	9.2	9.61	<10	<10		
4-May-19	21.3	80	11	1.1	0.015	0.3	2.9	8.9	9.52	20	20		
5-May-19	21.1	33	12	1.3	0.070	0.3	2.8	9.2	9.52	20	10		
6-May-19	20.8	56	13	0.4	<0.013	0.3	2.7	7.9	9.59	<10	10		
7-May-19	20.5	58	13	1.2	<0.013	0.3	2.6	7.8	9.63	10	<10		
8-May-19	20.0	50	14	0.8	0.016	0.3	2.5	9.3	9.54	<10	<10		
9-May-19	19.6	56	11	0.6	0.026	0.3	2.5	9.3	9.41	<10	10		
10-May-19	19.2	53	11	0.8	<0.013	0.3	2.4	9.6	9.33	<10	20		
11-May-19	19.3	52	12	1.4	<0.013	0.3	2.3	10.9	9.51	<10	<10		
12-May-19	19.1	45	10	0.6	0.023	0.3	2.3	11.5	9.70	20	40		
13-May-19	18.8	44	11	0.1	0.014	0.3	2.2	13.2	9.53	<10	10		
14-May-19	18.8	50	9	0.7	0.016	0.3	2.2	13.8	9.60	30	30		
15-May-19	19.0	48	10	2.4	<0.013	0.3	2.1	13.6	9.49	10	<1		
16-May-19	18.9	53	9	0.4	<0.013	0.3	2.0	12.3	9.31	<10	10		
17-May-19	18.5	44	9	0.4	0.082	0.3	2.0	12.2	9.41	30	20		
18-May-19	18.2	64	12	0.4	<0.013	0.3	1.9	11.5	9.59	80	60		
19-May-19	17.9	48	11	0.1	0.017	0.3	1.9	11.0	9.49	20	40		
20-May-19	17.8	49	9	0.1	<0.013	0.3	1.9	11.8	9.48	20	<10		
21-May-19	17.8	82	8	0.1	<0.013	0.3	1.9	13.9	9.52	10	<10		
22-May-19	17.7	38	10	0.5	0.026	0.3	1.9	14.3	9.52	30	50		
23-May-19	18.2	46	8	0.1	0.026	0.3	1.9	13.0	9.34	<10	20		
24-May-19	18.4	47	6	0.5	0.050	0.3	1.9	14.1	9.55	40	40		
25-May-19	18.6	38	12	0.5	0.044	0.3	1.8	13.4	9.33	80	50		
26-May-19	18.6	37	10	0.5	0.050	0.3	1.8	13.4	9.36	30	40		
27-May-19	18.5	35	12	0.7	<0.013	0.3	1.8	13.6	9.50	30	10		
28-May-19	18.5	36	9	0.6	<0.013	0.3	1.8	14.9	9.53	30	50		
29-May-19	18.4	36	7	5.6	0.071	0.3	1.8	16.2	9.67	30	20		
30-May-19	18.1	33	8	3.0	0.036	0.3	1.8	17.7	9.69	60	10		
31-May-19	17.9	38	8	0.1	0.027	0.3	1.8	17.6	9.69	130	100		
Max:	21.8												
Min:	17.7												
Average:	19.2	48.2	10.4	1.1	0.02			12.0	9.53				
Total Flow:	594.4												
Geo.Mean:										17	16		

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