

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
September 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-Sep-18	16.4	34	9	2.0	0.51	1.0	3.1	20.2	9.34	320	120		
2-Sep-18	16.4	41	10	3.9	0.55	1.0	3.2	18.3	9.45	120	100		
3-Sep-18	16.7	45	9	4.1	0.46	1.0	3.2	17.7	9.31	180	200		
4-Sep-18	16.8	41	9	4.4	0.48	1.0	3.2	18.5	9.48	1,120	1,090		
5-Sep-18	16.8	42	10	2.7	0.42	1.0	3.3	17.4	9.47	550	520		
6-Sep-18	16.7	37	11	3.2	0.46	1.0	3.3	17.1	9.59	140	190		
7-Sep-18	16.8	39	9	6.6	0.45	1.0	3.3	17.0	9.60	170	90		
8-Sep-18	16.8	46	10	4.3	0.45	1.0	3.4	16.7	9.49	190	290		
9-Sep-18	16.9	40	nr	3.0	0.47	1.0	3.4	15.3	9.37	990	710		
10-Sep-18	17.1	43	nr	3.0	0.45	1.0	3.5	16.7	9.39	660	750		
11-Sep-18	17.6	36	8	2.5	0.44	1.0	3.5	17.4	9.41	1,150	1,010		
12-Sep-18	18.8	44	10	2.5	0.44	1.0	3.5	16.7	9.35	860	1,050		
13-Sep-18	19.3	40	9	3.3	0.44	0.9	3.5	16.5	9.31	8,660	8,160		
14-Sep-18	19.4	38	9	1.5	0.43	0.9	3.5	15.8	9.40	2,610	2,190		
15-Sep-18	19.4	49	17	0.6	0.40	0.9	3.5	17.2	9.41	600	560		
16-Sep-18	19.4	46	11	0.8	0.39	0.9	3.5	16.0	9.37	730	1,990		
17-Sep-18	19.3	51	9	0.9	0.35	0.9	3.6	14.5	9.37	1,720	1,730		
18-Sep-18	19.2	43	13	1.3	0.35	0.9	3.6	14.5	9.36	990	1,310		
19-Sep-18	20.5	45	nr	0.5	0.31	0.9	3.6	14.7	9.54	560	610		
20-Sep-18	21.0	45	11	0.1	0.28	0.9	3.6	14.0	9.43	450	350		
21-Sep-18	21.4	41	9	0.5	0.24	0.9	3.6	12.3	9.46	580	390		
22-Sep-18	22.1	50	9	0.3	0.23	0.9	3.6	11.2	9.42	740	840		
23-Sep-18	21.9	44	9	0.8	0.21	0.8	3.6	8.7	9.44	2,250	1,550		
24-Sep-18	21.9	42	9	1.2	0.17	0.8	3.6	9.0	9.35	1,600	1,240		
25-Sep-18	22.0	48	9	1.5	0.15	0.8	3.6	nr	9.48	990	880		
26-Sep-18	22.3	38	10	0.1	0.13	0.8	3.6	9.5	9.44	760	600		
27-Sep-18	22.3	42	10	1.4	0.11	0.8	3.6	9.4	9.47	530	400		
28-Sep-18	22.1	39	10	0.8	0.09	0.8	3.6	8.1	9.37	590	770		
29-Sep-18	21.9	42	11	1.3	0.08	0.7	3.6	7.0	9.38	610	530		
30-Sep-18	21.6	48	11	1.3	0.09	0.7	3.6	6.7	9.38	330	450		
Max:	22.3												
Min:	16.4												
Average:	19.4	43	10	2.0	0.33			14.3	9.42				
Total Flow:	580.9												
Geo.Mean:										660	629		

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