

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
January 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-Jan-19	18.7	<3	<4	23.1	0.27	0.4	4.7	2.1	7.35	20	30		
2-Jan-19	18.6	<3	<4	24.0	0.28	0.4	4.8	2.8	7.46	70	50		
3-Jan-19	18.5	<3	<4	23.8	0.29	0.4	4.9	2.5	7.38	50	90		
4-Jan-19	18.4	<3	nr	23.2	0.34	0.4	5.0	2.4	7.36	40	20		
5-Jan-19	18.6	<3	nr	22.9	0.31	0.4	5.0	2.4	7.25	50	40		
6-Jan-19	18.9	3	<4	23.8	0.29	0.4	5.1	0.7	7.28	80	30		
7-Jan-19	18.5	<3	<4	25.0	0.31	0.4	5.1	3.2	7.38	50	80		
8-Jan-19	18.4	<3	nr	25.1	0.32	0.4	5.2	4.6	7.42	40	110		
9-Jan-19	18.5	<3	nr	25.7	0.36	0.4	5.2	2.0	7.30	70	100		
10-Jan-19	18.5	<3	<4	25.8	0.33	0.4	5.2	3.0	7.39	60	nr		
11-Jan-19	18.4	<3	nr	25.6	0.33	0.4	5.3	2.4	7.27	60	50		
12-Jan-19	18.4	<3	nr	26.2	0.33	0.4	5.3	2.1	7.25	10	30		
13-Jan-19	18.4	<3	<4	27.8	0.32	0.4	5.4	0.6	7.22	nr	<10		
14-Jan-19	18.2	3	<4	24.3	0.32	0.4	5.4	3.2	7.25	70	40		
15-Jan-19	18.2	<3	<4	25.3	0.31	0.4	5.4	2.3	7.27	110	60		
16-Jan-19	18.2	<3	nr	31.9	0.38	0.4	5.5	2.5	7.25	130	110		
17-Jan-19	18.2	<3	<4	32.2	0.34	0.4	5.5	2.5	7.22	120	100		
18-Jan-19	18.1	<3	nr	38.8	0.39	0.4	5.6	1.4	7.25	150	170		
19-Jan-19	18.2	<3	nr	43.0	0.38	0.4	5.7	1.9	7.30	220	160		
20-Jan-19	18.1	<3	<4	45.9	0.38	0.4	5.8	0.5	7.26	420	430		
21-Jan-19	18.1	<3	<4	50.6	0.39	0.4	5.8	1.4	7.35	330	360		
22-Jan-19	18.1	<3	<4	52.4	0.30	0.4	5.9	2.4	7.23	410	510		
23-Jan-19	17.9	<3	<4	51.6	0.35	0.4	6.0	1.4	7.27	590	600		
24-Jan-19	18.0	<3	nr	59.3	0.43	0.4	6.1	1.8	7.24	440	730		
25-Jan-19	18.0	<3	nr	67.6	0.48	0.4	6.2	1.7	7.25	550	620		
26-Jan-19	18.0	<3	nr	73.3	0.46	0.4	6.3	1.4	7.24	620	640		
27-Jan-19	18.2	<3	nr	71.5	0.53	0.4	6.4	1.3	7.27	450	640		
28-Jan-19	18.1	<3	nr	79.1	0.48	0.5	6.5	1.5	7.22	790	560		
29-Jan-19	18.1	3	nr	83.5	0.50	0.5	6.6	1.9	7.23	570	840		
30-Jan-19	18.0	<3	nr	86.2	0.52	0.5	6.7	2.0	7.25	720	860		
31-Jan-19	18.0	<3	nr	87.3	0.55	0.5	6.8	1.7	7.25	910	910		
Max:	18.9												
Min:	17.9												
Average:	18.3	<3	<4	42.8	0.37			2.1	7.29				
Total Flow:	566.4												
Geo.Mean:										149	143		

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
- (4) ** Results reported with a correction factor