

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
January 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-Jan-18	18.0	6	8	16.4	0.25	0.2	5.9	1.0	7.46	ns	ns		
2-Jan-18	17.9	7	7	14.7	0.22	0.2	6.0	1.9	7.42	10	10		
3-Jan-18	17.9	7	7	16.3	0.25	0.2	6.0	3.1	7.41	10	10		
4-Jan-18	17.9	6	7	17.4	0.26	0.2	6.1	2.9	7.44	40	20		
5-Jan-18	17.8	8	8	20.9	0.30	0.2	6.1	2.9	7.34	20	20		
6-Jan-18	17.9	7	7	20.4	0.31	0.2	6.2	1.3	7.41	10	10		
7-Jan-18	18.0	6	6	21.2	0.31	0.3	6.2	2.5	7.35	<10	10		
8-Jan-18	17.9	7	6	22.6	0.33	0.3	6.3	1.9	7.41	<10	10		
9-Jan-18	17.9	5	6	22.1	0.34	0.3	6.3	2.5	7.30	<10	10		
10-Jan-18	17.7	6	nr	22.8	0.34	0.3	6.3	2.1	7.63	<10	10		
11-Jan-18	17.8	6	7	24.7	0.34	0.3	6.4	1.8	7.28	<10	<10		
12-Jan-18	17.7	9	7	24.1	0.34	0.3	6.4	1.4	7.28	<10	<10		
13-Jan-18	17.8	5	5	23.8	0.35	0.3	6.4	0.8	7.36	20	<10		
14-Jan-18	17.6	4	6	26.3	0.35	0.3	6.4	1.0	7.31	10	<10		
15-Jan-18	17.7	5	5	25.3	0.34	0.3	6.5	2.1	7.49	10	10		
16-Jan-18	17.8	6	5	25.4	0.33	0.3	6.5	1.7	7.25	10	20		
17-Jan-18	17.7	5	6	25.9	0.32	0.4	6.6	1.3	7.24	10	10		
18-Jan-18	17.8	5	5	24.3	0.35	0.4	6.6	1.7	7.37	nr	10		
19-Jan-18	17.7	8	5	29.3	0.37	0.4	6.6	1.9	7.25	10	10		
20-Jan-18	17.7	3	5	28.7	0.35	0.4	6.6	0.9	7.24	20	10		
21-Jan-18	17.7	4	4	27.6	0.32	0.4	6.7	0.9	7.20	20	20		
22-Jan-18	17.7	4	4	27.9	0.34	0.4	6.7	2.2	7.24	20	20		
23-Jan-18	17.7	4	3	29.0	0.33	0.4	6.7	2.1	7.29	10	50		
24-Jan-18	17.6	5	5	29.1	0.35	0.4	6.7	2.6	7.28	20	20		
25-Jan-18	17.6	4	5	30.5	0.30	0.4	6.7	2.6	7.28	20	<10		
26-Jan-18	17.6	8	4	26.1	0.30	0.4	6.7	2.6	7.24	20	10		
27-Jan-18	17.6	6	5	26.0	0.29	0.4	6.7	1.0	7.15	40	<10		
28-Jan-18	17.7	5	4	28.1	0.29	0.4	6.7	1.0	7.17	10	40		
29-Jan-18	17.4	7	nr	27.4	0.31	0.5	6.7	2.5	7.24	<10	30		
30-Jan-18	17.5	6	5	27.8	0.31	0.5	6.7	2.7	7.27	40	40		
31-Jan-18	17.5	5	5	29.1	0.31	0.5	6.7	2.0	7.26	<10	30		
Max:	18.0												
Min:	17.4												
Average:	17.7	6	6	24.5	0.32			1.9	7.32				
Total Flow:	549.9												
Geo.Mean:										12	12		

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) Total nitrogen samples from January 1st to the 22nd were analyzed past hold time due to an instrument breakdown.