

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

Licence # 2669 E RR	File # 53.10	Final Effluent 24 Hour Composite						Final Effluent Grab Sample					
		Date	Raw Sewage 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-Aug-17	24.1	6	3	1.2	0.13	0.3	1.4	25.8	10.20	<1	<1		
2-Aug-17	24.0	5	3	0.1	0.10	0.3	1.4	24.4	10.20	1	<1		
3-Aug-17	23.7	5	<3	3.1	0.13	0.3	1.4	22.6	10.10	1	1		
4-Aug-17	23.4	3	3	0.1	0.18	0.3	1.4	22.6	10.20	9	3		
5-Aug-17	22.5	5	<3	6.7	0.17	0.3	1.4	21.9	10.10	5	8		
6-Aug-17	22.3	6	3	0.1	0.20	0.3	1.4	22.0	10.10	13	7		
7-Aug-17	22.9	5	3	0.1	0.14	0.3	1.4	21.8	10.20	14	5		
8-Aug-17	22.9	6	4	0.1	0.15	0.3	1.3	23.2	10.20	6	1		
9-Aug-17	24.8	4	<3	0.1	0.19	0.3	1.4	21.8	10.10	2	4		
10-Aug-17	23.1	3	3	0.1	0.19	0.3	1.4	21.6	10.00	53	4		
11-Aug-17	22.8	4	3	0.1	0.17	0.3	1.4	21.8	10.00	6	5		
12-Aug-17	22.4	4	nr	0.1	0.18	0.3	1.4	22.4	10.10	9	<1		
13-Aug-17	22.8	4	nr	0.1	0.16	0.3	1.4	23.1	10.10	4	7		
14-Aug-17	23.1	5	nr	9.3	0.19	0.3	1.4	23.8	10.10	9	5		
15-Aug-17	22.6	3	<3	0.1	0.15	0.3	1.4	24.1	10.00	15	<1		
16-Aug-17	23.8	4	<3	0.1	0.18	0.3	1.4	23.5	9.99	5	2		
17-Aug-17	23.0	<3	<3	0.1	0.17	0.3	1.4	23.4	9.98	25	3		
18-Aug-17	23.1	<3	<3	0.1	0.20	0.3	1.4	23.5	9.97	12	4		
19-Aug-17	22.4	<3	<3	0.9	0.17	0.3	1.4	22.9	9.96	17	8		
20-Aug-17	22.7	3	nr	0.1	0.23	0.3	1.4	22.3	9.93	2	1		
21-Aug-17	22.8	6	<3	3.9	0.23	0.3	1.4	21.6	9.95	17	23		
22-Aug-17	23.1	<3	<3	0.1	0.25	0.3	1.4	20.1	9.84	23	10		
23-Aug-17	23.4	3	<3	0.1	0.26	0.3	1.4	19.1	9.78	13	24		
24-Aug-17	23.0	3	<3	0.1	0.25	0.3	1.4	18.0	9.81	20	19		
25-Aug-17	22.6	3	<3	0.1	0.24	0.3	1.4	18.6	9.82	10	10		
26-Aug-17	22.8	<3	<3	0.1	0.26	0.3	1.4	19.4	9.85	17	17		
27-Aug-17	22.8	3	<3	0.1	0.24	0.3	1.4	19.1	9.80	15	15		
28-Aug-17	22.9	3	<3	0.1	0.25	0.3	1.4	20.2	9.80	16	15		
29-Aug-17	22.8	3	<3	0.1	0.25	0.3	1.4	20.9	9.77	15	12		
30-Aug-17	22.7	6	<3	0.1	0.29	0.3	1.4	20.6	9.76	18	32		
31-Aug-17	22.8	4	<3	0.1	0.28	0.3	1.4	19.9	9.77	36	35		
Max:	24.8												
Min:	22.3												
Average:	23.0	4	<3	0.9	0.20			21.8	9.98				
Total Flow:	714.3									9	5		
Geo.Mean:													

Notes:

(1) Effluent ammonia load based upon Raw Sewage flows and Final Cell NH3-N concentrations

(2) nr - not recorded or no result; na - not analyzed; ns - no sample

(3) Where value is expressed as less than (<), the value is halved and used in the calculations

(4) * = 30 day rolling average