

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
June 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-Jun-17	26.9	8	<3	11.6	0.60	0.7	2.8	17.3	8.52	4	7		
2-Jun-17	26.9	10	3	10.7	0.61	0.7	2.8	18.4	8.60	2	<1		
3-Jun-17	27.3	9	nr	7.4	0.58	0.8	2.8	20.3	8.60	8	3		
4-Jun-17	26.9	9	3	4.0	0.57	0.8	2.8	21.0	8.77	4	1		
5-Jun-17	26.4	11	3	2.6	0.48	0.8	2.8	21.4	8.81	<1	4		
6-Jun-17	25.8	9	3	1.6	0.47	0.8	2.8	21.8	8.94	34	6		
7-Jun-17	25.6	7	nr	0.1	0.44	0.8	2.8	22.2	9.05	3	5		
8-Jun-17	25.6	5	3	0.1	0.44	0.8	2.8	22.7	9.16	3	2		
9-Jun-17	27.2	3	<3	0.8	0.50	0.8	2.8	22.8	9.20	8	26		
10-Jun-17	28.8	6	<3	1.2	0.54	0.8	2.8	21.3	9.20	76	65		
11-Jun-17	24.7	6	<3	0.1	0.54	0.8	2.7	20.9	9.27	10	11		
12-Jun-17	24.7	5	<3	1.0	0.47	0.8	2.7	20.7	9.35	5	5		
13-Jun-17	24.9	5	<3	0.1	0.46	0.8	2.7	20.2	9.42	1	4		
14-Jun-17	47.2	7	<3	0.2	0.46	0.8	2.7	19.0	9.36	276	291		
15-Jun-17	29.6	6	<3	0.1	0.47	0.8	2.7	18.6	9.41	55	54		
16-Jun-17	27.5	4	<3	1.9	0.47	0.8	2.7	18.2	9.45	12	20		
17-Jun-17	26.7	4	<3	1.3	0.48	0.8	2.6	18.1	9.44	23	30		
18-Jun-17	27.1	3	<3	1.4	0.49	0.8	2.6	17.9	9.49	17	19		
19-Jun-17	26.1	<3	<3	0.1	0.48	0.8	2.5	18.1	9.54	24	20		
20-Jun-17	25.5	<3	nr	0.1	0.50	0.8	2.5	18.8	9.50	17	12		
21-Jun-17	34.5	<3	<3	0.2	0.48	0.8	2.4	19.8	9.54	10	25		
22-Jun-17	29.5	4	<3	0.1	0.50	0.8	2.3	18.7	9.48	39	47		
23-Jun-17	27.8	<3	<3	11.4	0.55	0.8	2.3	18.0	9.44	23	38		
24-Jun-17	28.4	<3	<3	0.1	0.51	0.8	2.2	16.5	9.42	23	24		
25-Jun-17	28.3	<3	<3	0.1	0.51	0.8	2.2	15.2	9.44	38	44		
26-Jun-17	26.9	3	nr	0.1	0.48	0.8	2.1	16.3	9.42	11	16		
27-Jun-17	26.5	3	<3	5.6	0.48	0.8	2.0	17.7	9.57	15	13		
28-Jun-17	26.4	<3	<3	0.1	0.48	0.8	2.0	18.9	9.53	9	17		
29-Jun-17	26.0	<3	<3	0.1	0.48	0.7	1.9	19.3	9.54	18	25		
30-Jun-17	24.7	<3	<3	0.1	0.46	0.7	1.9	20.4	9.58	152	27		
Max:	47.2												
Min:	24.7												
Average:	27.7	5	<3	2.2	0.50			19.4	9.27				
Total Flow:	830.6												
Geo.Mean:										13	13		

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