

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
May 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-May-17	28.8	12	8	1.7	0.11	0.2	3.0	10.9	8.90	28	16		
2-May-17	27.8	9	7	3.6	0.11	0.2	3.0	12.5	8.89	15	8		
3-May-17	27.6	10	10	4.7	0.14	0.2	2.9	13.9	8.88	8	4		
4-May-17	27.1	11	6	7.0	0.20	0.2	2.9	15.1	8.77	16	20		
5-May-17	27.9	13	7	11.2	0.28	0.2	2.9	15.9	8.56	5	3		
6-May-17	29.0	15	6	13.3	0.30	0.3	2.8	15.6	8.52	1	<1		
7-May-17	29.3	17	6	13.8	0.31	0.3	2.8	14.3	8.46	5	nr		
8-May-17	30.6	15	7	18.1	0.38	0.3	2.8	13.9	8.36	1	3		
9-May-17	29.5	18	6	17.7	0.40	0.3	2.7	13.7	8.23	3	3		
10-May-17	29.3	15	5	21.1	0.36	0.3	2.7	13.4	8.24	9	6		
11-May-17	28.6	11	5	22.0	0.38	0.3	2.7	13.7	8.09	3	4		
12-May-17	28.8	9	5	20.8	0.40	0.3	2.7	14.1	8.16	5	1		
13-May-17	28.5	14	6	21.7	0.44	0.4	2.7	13.7	8.02	4	4		
14-May-17	28.8	14	4	22.7	0.44	0.4	2.7	13.8	8.16	11	11		
15-May-17	27.9	13	4	22.3	0.43	0.4	2.6	15.4	8.13	11	9		
16-May-17	28.1	15	8	24.7	0.49	0.4	2.6	16.5	8.06	5	5		
17-May-17	27.5	14	4	22.0	0.49	0.5	2.6	15.1	8.14	<10	4		
18-May-17	26.9	14	6	26.7	0.52	0.5	2.6	12.8	8.08	7	5		
19-May-17	26.5	10	4	26.5	0.49	0.5	2.6	13.4	8.15	7	4		
20-May-17	25.6	13	4	25.9	0.51	0.5	2.6	14.4	8.20	3	1		
21-May-17	36.8	11	3	34.6	0.51	0.5	2.6	13.3	8.23	9	8		
22-May-17	38.3	12	4	40.2	0.56	0.6	2.6	12.7	8.17	5	4		
23-May-17	30.8	9	<3	28.3	0.53	0.6	2.6	13.3	8.26	11	12		
24-May-17	29.4	17	3	27.6	0.50	0.6	2.7	14.8	8.27	32	16		
25-May-17	28.5	17	<3	21.7	0.55	0.6	2.7	14.9	8.33	11	9		
26-May-17	28.0	11	nr	25.5	0.53	0.6	2.7	15.1	8.26	16	6		
27-May-17	27.7	9	<3	19.1	0.53	0.6	2.7	15.5	8.27	9	5		
28-May-17	30.8	10	<3	23.7	0.56	0.7	2.7	15.7	8.33	9	8		
29-May-17	29.8	11	<3	20.3	0.47	0.7	2.8	15.1	8.36	39	66		
30-May-17	28.2	11	<3	19.2	0.51	0.7	2.8	14.0	8.43	15	11		
31-May-17	27.6	8	<3	14.3	0.60	0.7	2.8	15.0	8.44	12	10		
Max:	38.3												
Min:	25.6												
Average:	29.0	13	5	20.1	0.42			14.2	8.33				
Total Flow:	900.0												
Geo.Mean:										8	6		

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