

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
October 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-Oct-17	22.5	12	4	0.1	0.81	0.7	1.6	13.7	8.54	727	613		
2-Oct-17	21.0	15	4	0.1	0.80	0.7	1.6	14.3	8.41	461	411		
3-Oct-17	20.0	13	5	0.1	0.77	0.8	1.6	13.5	8.37	345	326		
4-Oct-17	20.5	14	5	0.6	0.69	0.8	1.6	12.9	8.37	187	488		
5-Oct-17	20.2	18	5	0.1	0.63	0.8	1.6	12.2	8.35	980	649		
6-Oct-17	20.1	14	5	0.1	0.62	0.8	1.6	11.5	8.46	488	461		
7-Oct-17	20.4	19	6	2.0	0.60	0.8	1.6	11.4	8.42	517	435		
8-Oct-17	20.3	19	6	0.1	0.57	0.8	1.6	11.2	8.42	12	328		
9-Oct-17	21.0	18	4	0.1	0.53	0.8	1.7	10.3	8.49	461	261		
10-Oct-17	19.8	20	6	0.1	0.49	0.8	1.7	8.7	8.41	308	345		
11-Oct-17	19.5	29	6	0.8	0.43	0.8	1.7	9.0	8.50	517	345		
12-Oct-17	19.5	25	7	0.1	0.43	0.8	1.7	9.0	8.48	770	488		
13-Oct-17	19.2	26	7	5.6	0.44	0.8	1.7	8.5	8.51	770	727		
14-Oct-17	20.6	28	6	0.1	0.41	0.8	1.8	7.8	8.54	517	146		
15-Oct-17	21.0	33	6	0.1	0.39	0.8	1.8	7.0	8.60	517	387		
16-Oct-17	20.0	24	nr	0.1	0.37	0.8	1.8	7.1	8.60	649	579		
17-Oct-17	20.1	30	7	0.1	0.35	0.8	1.9	8.0	8.64	435	345		
18-Oct-17	19.7	38	8	0.1	0.31	0.8	1.9	8.4	8.71	980	687		
19-Oct-17	19.3	36	10	0.1	0.33	0.8	2.0	7.7	8.78	800	530		
20-Oct-17	19.6	37	7	0.1	0.26	0.8	2.0	8.3	8.73	380	580		
21-Oct-17	20.4	40	9	1.2	0.23	0.8	2.1	11.3	8.71	660	640		
22-Oct-17	20.9	28	8	1.7	0.24	0.8	2.1	10.8	8.67	660	610		
23-Oct-17	20.1	47	nr	0.1	0.18	0.8	2.2	10.2	8.54	720	780		
24-Oct-17	19.6	34	7	0.1	0.20	0.8	2.3	8.1	8.59	1,020	690		
25-Oct-17	19.6	42	8	0.8	0.15	0.8	2.3	7.9	8.65	550	480		
26-Oct-17	28.1	51	8	0.1	0.09	0.8	2.4	6.9	8.74	660	700		
27-Oct-17	21.7	51	7	1.5	0.14	0.7	2.4	4.9	8.73	990	520		
28-Oct-17	21.9	39	8	0.1	0.05	0.7	2.4	3.8	8.75	360	410		
29-Oct-17	22.4	75	9	0.1	0.07	0.7	2.5	3.7	8.80	440	470		
30-Oct-17	21.7	57	10	0.1	0.09	0.7	2.5	2.8	8.68	440	310		
31-Oct-17	20.3	52	10	0.1	0.06	0.7	2.6	1.9	8.66	360	330		
Max:	28.1												
Min:	19.2												
Average:	20.7	32	7	0.5	0.38			8.8	8.58				
Total Flow:	641.0												
Geo.Mean:										485	459		

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