City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
October 2018

Licence # 2669 E RR	File # 53.10	Final Effluent 24 Hour Composite						Final Effluent Grab Sample			
Date	Final Effluent Daily Flow	TSS	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform	E.Coli
	ML	(mg/L)	(mg/L)	(kg NH3-N/day)	(mg/L-P)	(mg/L-P)*	(mg/L-N)*	(°C)	(units)	MPN/100 mL	
1-Oct-18	21.5	54	10	0.1	0.01	0.7	3.6	7.2	9.36	410	320
2-Oct-18	21.9	42	10	5.1	0.03	0.7	3.5	7.8	9.45	440	330
3-Oct-18	22.2	21	11	5.2	0.03	0.7	3.5	7.7	9.27	300	130
4-Oct-18	22.6	47	12	2.1	0.01	0.7	3.5	6.2	9.20	350	260
5-Oct-18	22.9	40	nr	1.9	0.25	0.6	3.5	5.7	9.36	230	300
6-Oct-18	23.1	41	nr	6.8	0.04	0.6	3.5	5.2	9.20	300	320
7-Oct-18	23.0	41	13	4.6	0.17	0.6	3.5	4.3	9.22	420	440
8-Oct-18	22.9	ns	ns	ns	ns	0.6	3.4	4.7	9.25	320	370
9-Oct-18	22.6	ns	ns	ns	ns	0.6	3.2	5.7	9.49	490	490
10-Oct-18	22.1	40	12	5.8	0.02	0.5	3.2	5.5	9.22	500	440
11-Oct-18	22.0	45	11	2.4	0.08	0.5	3.2	3.8	9.31	700	590
12-Oct-18	22.0	38	nr	8.1	nr	0.5	3.2	3.6	9.14	770	790
13-Oct-18	22.1	48	nr	1.5	<0.01	0.5	3.2	3.9	9.16	700	370
14-Oct-18	22.0	47	11	3.8	<0.01	0.5	3.2	2.2	9.12	880	720
15-Oct-18	nr	33	10	nr	<0.01	0.5	3.1	2.4	9.05	540	640
16-Oct-18	21.7	39	11	3.4	0.02	0.4	3.1	3.3	9.24	550	790
17-Oct-18	21.4	45	nr	5.9	0.02	0.4	3.1	4.1	9.25	490	440
18-Oct-18	21.0	41	nr	4.5	0.01	0.4	3.1	3.1	9.23	280	370
19-Oct-18	20.9	44	nr	4.4	0.02	0.4	3.0	5.5	9.16	150	200
20-Oct-18	20.7	54	nr	3.8	0.02	0.4	3.0	3.7	9.29	160	290
21-Oct-18	20.4	32	nr	3.1	0.01	0.4	3.0	2.9	9.01	180	160
22-Oct-18	20.3	48	12	1.0	<0.01	0.4	3.0	5.7	9.10	140	110
23-Oct-18	20.1	45	12	0.6	<0.01	0.3	3.0	4.4	9.24	180	240
24-Oct-18	20.0	48	13	10.9	0.02	0.3	3.0	5.0	9.20	180	170
25-Oct-18	20.0	43	13	3.8	0.04	0.3	2.9	4.7	9.21	260	120
26-Oct-18	20.0	38	11	4.3	0.03	0.3	2.9	6.2	9.09	140	150
27-Oct-18	20.0	40	11	5.2	0.02	0.3	3.0	6.1	9.08	110	100
28-Oct-18	19.9	38	12	5.4	0.04	0.3	2.9	4.5	9.04	320	200
29-Oct-18	20.3	45	11	6.1	0.03	0.3	2.9	5.2	9.01	170	150
30-Oct-18	20.8	41	12	3.5	<0.01	0.3	2.9	6.2	9.06	190	90
31-Oct-18	20.9	42	11	2.0	<0.01	0.3	3.0	5.5	9.00	110	120
Max:	23.1										
Min:	19.9										
Average:	21.4	42	11	4.1	0.03			4.9	9.19		
Total Flow:	641.0										
Geo.Mean:										298	272

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