

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

June 2020

Licence # 2669 E RR	File # 53.10	Final Effluent 24 Hour Composite						Final Effluent Grab Sample					
		Date	Final Effluent 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-20	18.2	39	9	0.3	0.323	0.5	1.8	17.1	9.51	10	10		
2-Jun-20	17.9	35	nr	0.6	0.330	0.5	1.9	18.9	9.48	30	<10		
3-Jun-20	17.1	38	8	0.9	0.404	0.6	1.9	21.0	9.24	<10	<10		
4-Jun-20	17.0	52	13	0.3	0.366	0.6	2.0	19.9	9.50	30	20		
5-Jun-20	17.5	47	10	0.4	0.404	0.6	2.0	18.5	9.43	<10	40		
6-Jun-20	18.4	49	10	0.1	0.302	0.6	2.0	17.2	9.53	10	10		
7-Jun-20	36.8**	57	7	1.5	0.284	0.6	2.1	16.0	9.30	2140	1940		
8-Jun-20	19.6	45	8	0.5	0.253	0.7	2.1	18.7	9.24	440	350		
9-Jun-20	19.8	41	8	0.6	0.298	0.7	2.1	19.6	9.22	150	50		
10-Jun-20	20.0	42	8	0.6	0.262	0.7	2.1	17.7	9.09	90	150		
11-Jun-20	19.9	42	9	0.3	0.235	0.7	2.1	18.2	9.27	170	160		
12-Jun-20	19.5	40	11	0.2	0.235	0.7	2.1	18.1	9.32	100	60		
13-Jun-20	19.2	51	7	0.1	0.176	0.7	2.1	18.2	9.42	120	110		
14-Jun-20	18.7	55	10	0.6	0.147	0.7	2.1	18.0	9.30	230	190		
15-Jun-20	18.6	55	8	1.3	0.130	0.7	2.1	19.2	9.24	130	50		
16-Jun-20	18.6	45	8	0.7	0.165	0.7	2.1	16.7	9.31	<10	30		
17-Jun-20	18.8	44	8	0.3	0.207	0.7	2.1	21.9	9.10	220	160		
18-Jun-20	18.8	40	8	0.7	0.279	0.7	2.1	22.3	8.99	580	400		
19-Jun-20	19.1	42	7	0.7	0.235	0.7	2.0	20.0	8.88	300	400		
20-Jun-20	19.2	45	8	0.2	0.181	0.7	2.0	20.0	9.07	200	170		
21-Jun-20	19.3	33	6	0.4	0.182	0.7	2.1	19.2	8.90	610	410		
22-Jun-20	19.3	44	nr	0.8	0.132	0.7	2.1	19.2	8.94	300	220		
23-Jun-20	19.2	33	7	0.3	0.152	0.7	2.1	19.8	9.02	170	160		
24-Jun-20	19.2	31	7	0.5	0.191	0.7	2.1	21.1	9.19	960	150		
25-Jun-20	19.5	35	7	0.4	0.200	0.7	2.1	23.5	9.26	280	360		
26-Jun-20	19.8	32	nr	<0.1	0.242	0.7	2.1	22.5	8.98	1200	1260		
27-Jun-20	19.8	39	7	1.1	0.644	0.7	2.1	23.7	9.18	270	220		
28-Jun-20	19.6	39	7	0.4	0.361	0.7	2.1	23.5	9.01	140	120		
29-Jun-20	19.7	35	4	0.5	0.280	0.7	2.1	25.0	9.01	170	150		
30-Jun-20	20.0	33	6	0.3	0.264	0.7	2.2	26.5	9.19	80	80		
Max:	20.0												
Min:	17.0												
Average:	19.0	42	8	0.5	0.3			20.0	9.20				
Total Flow:	551.2												
Geo.Mean:										121	105		

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
- (4) ** Inaccurate daily flow reading; raw influent flow was used to calculate the ammonia load