

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

July 2020

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-Jul-20	20.1	ns	ns	ns	ns	0.7	2.2	25.9	9.06	1310	910		
2-Jul-20	20.1	41	7	1.1	nr	0.7	2.2	26.6	9.08	550	420		
3-Jul-20	20.5	34	7	0.3	0.589	0.7	2.2	26.5	9.02	160	120		
4-Jul-20	21.2	32	6	0.4	0.611	0.7	2.1	26.9	9.05	60	90		
5-Jul-20	21.6	26	5	0.8	0.511	0.7	2.1	26.5	9.00	260	170		
6-Jul-20	21.7	27	6	1.5	0.474	0.7	2.1	26.2	8.90	350	330		
7-Jul-20	21.4	37	7	0.3	0.442	0.7	2.1	26.0	8.96	120	150		
8-Jul-20	21.2	38	6	0.4	0.423	0.7	2.1	26.2	9.08	840	840		
9-Jul-20	21.3	38	7	0.3	0.539	0.7	2.1	25.0	9.08	160	170		
10-Jul-20	21.1	43	6	<0.1	0.418	0.7	2.1	24.0	9.00	170	260		
11-Jul-20	20.9	38	8	0.2	0.411	0.7	2.2	24.7	9.28	40	100		
12-Jul-20	21.0	28	6	0.1	0.403	0.7	2.2	25.4	9.31	90	60		
13-Jul-20	20.9	34	5	2.7	0.430	0.7	2.2	24.3	9.13	240	110		
14-Jul-20	20.8	32	5	3.8	nr	0.7	2.2	22.3	8.96	290	230		
15-Jul-20	20.6	34	6	0.1	0.400	0.7	2.2	21.6	9.03	80	100		
16-Jul-20	21.0	39	9	0.1	0.373	0.7	2.2	21.6	9.07	70	60		
17-Jul-20	21.3	41	6	0.1	0.369	0.7	2.2	23.0	9.14	80	30		
18-Jul-20	21.4	34	5	0.1	0.380	0.7	2.3	21.7	9.08	290	310		
19-Jul-20	21.5	42	5	0.1	0.322	0.7	2.3	20.8	9.05	180	260		
20-Jul-20	21.4	39	6	0.1	0.501	0.7	2.4	21.4	9.10	170	120		
21-Jul-20	21.3	36	7	0.4	0.474	0.7	2.4	22.7	9.26	230	160		
22-Jul-20	21.1	35	7	na	0.7	0.7	2.3	22.6	9.34	50	40		
23-Jul-20	20.9	48	4	0.3	0.253	0.7	2.3	22.6	9.30	60	50		
24-Jul-20	20.8	42	6	0.5	0.506	0.7	2.4	22.1	9.15	<10	30		
25-Jul-20	20.3	39	8	<0.1	0.354	0.7	2.4	22.4	9.29	60	20		
26-Jul-20	19.8	42	8	0.3	0.369	0.7	2.4	24.7	9.30	30	60		
27-Jul-20	19.5	45	7	0.8	0.336	0.8	2.4	23.8	9.25	110	50		
28-Jul-20	19.3	39	8	8.0	0.402	0.8	2.4	23.1	9.33	20	10		
29-Jul-20	19.0	43	>17	7.8	0.448	0.8	2.5	23.8	9.44	20	<10		
30-Jul-20	18.7	45	12	0.2	0.384	0.8	2.6	24.9	9.49	10	10		
31-Jul-20	18.4	47	11	0.2	0.342	0.8	2.6	25.4	9.41	<10	<10		
Max:	21.7												
Min:	18.4												
Average:	20.6	38	7	1.1	0.4			24.0	9.16				
Total Flow:	639.8												
Geo.Mean:										95	84		

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