

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

**April 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-Apr-20	33.7	22	15	0.2	0.072	0.7	5.8	4.5	8.62	10	10		
2-Apr-20	35.0	21	12	1.4	0.065	0.7	5.8	4.3	8.56	<10	60		
3-Apr-20	34.7	25	13	2.9	0.072	0.7	5.8	3.6	8.63	10	60		
4-Apr-20	34.0	21	13	4.0	0.053	0.7	5.8	3.1	8.94	30	40		
5-Apr-20	33.9	21	13	3.8	0.039	0.7	5.7	3.4	8.74	50	40		
6-Apr-20	36.8	15	10	5.5	0.037	0.6	5.7	4.6	8.76	50	50		
7-Apr-20	39.4	15	nr	5.2	0.040	0.6	5.7	3.7	8.81	10	30		
8-Apr-20	39.9	18	nr	5.9	0.040	0.6	5.6	4.7	8.83	20	10		
9-Apr-20	39.5	24	8	9.2	0.042	0.6	5.5	4.3	8.83	10	10		
10-Apr-20	38.8	18	8	4.2	0.027	0.6	5.5	3.6	8.86	10	20		
11-Apr-20	37.7	19	nr	4.6	0.026	0.6	5.4	4.5	9.16	<10	<10		
12-Apr-20	36.5	21	nr	0.2	0.017	0.6	5.4	4.2	9.13	<10	<10		
13-Apr-20	35.0	20	7	0.2	0.025	0.6	5.4	6.7	9.29	<10	<10		
14-Apr-20	33.8	23	9	0.8	<0.013	0.5	5.3	3.6	9.38	<10	<10		
15-Apr-20	32.5	37	9	1.2	<0.013	0.5	5.2	6.6	9.55	<10	<10		
16-Apr-20	31.4	23	10	4.0	0.018	0.5	5.2	8.3	9.63	<10	<10		
17-Apr-20	30.5	21	9	3.9	0.013	0.5	5.1	6.9	9.77	<10	<10		
18-Apr-20	29.5	25	9	0.2	<0.013	0.5	5.0	6.9	9.97	<10	<10		
19-Apr-20	28.9	ns	ns	ns	ns	0.5	5.0	nr	nr	nr	nr		
20-Apr-20	28.1	42	>19	nr	0.143	0.5	5.0	nr	nr	nr	nr		
21-Apr-20	27.2	26	10	6.5	0.014	0.5	5.0	nr	nr	nr	nr		
22-Apr-20	26.7	29	9	1.5	0.019	0.5	4.9	7.1	9.88	10	10		
23-Apr-20	26.2	29	9	1.5	<0.013	0.5	4.8	7.2	9.91	<10	<10		
24-Apr-20	26.0	34	8	0.4	<0.013	0.4	4.6	7.7	9.87	<10	<10		
25-Apr-20	25.9	26	7	0.9	<0.013	0.4	4.6	8.0	9.85	<10	<10		
26-Apr-20	26.0	21	6	0.2	<0.013	0.4	4.5	7.3	9.78	<10	<10		
27-Apr-20	26.5	21	6	0.5	<0.013	0.4	4.4	9.1	9.94	<10	<10		
28-Apr-20	26.7	20	6	1.4	0.036	0.4	4.2	10.6	9.73	<10	<10		
29-Apr-20	26.6**	24	5	0.2	<0.013	0.4	4.1	8.8	9.63	<10	<10		
30-Apr-20	26.5	26	6	0.2	<0.013	0.4	3.9	11.1	9.81	<10	<10		
<b>Max:</b>	39.9												
<b>Min:</b>	25.9												
<b>Average:</b>	<b>32.0</b>	<b>24</b>	<b>9</b>	<b>2.5</b>	<b>0.030</b>			<b>6.1</b>	<b>9.33</b>				
<b>Total Flow:</b>	<b>927.3</b>												
<b>Geo.Mean:</b>										<b>&lt;10</b>	<b>&lt;10</b>		

**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) \*\* A power outage caused an inaccurate daily flow reading; an average of the April 28 and 30 readings were used in order to calculate the ammonia load for April 29