

**City of Winnipeg  
Water and Waste Department  
West End Water Pollution Control Centre Monitoring Data  
July 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 NH <sub>3</sub> -N/day)	(mg/L-P)	(mg/L-P)*	(mg/L-N)*	(°C)	(units)	MPN/100 mL	
1-Jul-18	22.9	10	5	26.0	0.81	0.6	1.8	23.9	8.25	40	20		
2-Jul-18	22.7	14	5	27.0	0.84	0.6	1.9	23.1	8.22	60	10		
3-Jul-18	22.7	26	6	25.9	0.85	0.6	2.0	23.1	8.53	10	<10		
4-Jul-18	22.9	20	7	44.3	0.91	0.7	2.1	22.9	8.23	30	30		
5-Jul-18	23.0	16	5	28.7	0.90	0.7	2.2	22.0	8.52	30	60		
6-Jul-18	22.9	34	7	10.3	0.85	0.7	2.3	22.8	9.09	10	10		
7-Jul-18	22.7	25	7	7.5	0.82	0.7	2.4	23.1	9.15	30	20		
8-Jul-18	22.6	24	8	3.4	0.85	0.8	2.4	24.6	9.22	<10	<10		
9-Jul-18	22.4	43	9	0.1	0.64	0.8	2.5	24.2	9.30	10	10		
10-Jul-18	22.3	59	12	6.9	0.55	0.8	2.6	24.6	9.59	20	<10		
11-Jul-18	22.2	74	16	0.1	0.60	0.9	2.7	24.6	9.50	20	10		
12-Jul-18	21.9	79	18	0.2	0.72	0.9	2.9	23.7	9.31	10	20		
13-Jul-18	21.8	80	18	0.1	0.61	0.9	3.0	24.5	9.44	50	40		
14-Jul-18	21.6	52	14	0.6	0.51	1.0	3.1	25.0	9.64	10	20		
15-Jul-18	21.1	72	11	3.4	0.63	1.0	3.2	24.1	9.41	20	40		
16-Jul-18	20.9	58	10	6.1	0.67	1.0	3.3	22.3	9.27	10	<10		
17-Jul-18	20.7	33	7	3.9	0.69	1.0	3.4	21.4	9.29	50	<10		
18-Jul-18	20.5	38	6	1.4	0.67	1.0	3.5	22.6	9.44	<10	<10		
19-Jul-18	20.4	24	7	0.1	0.65	1.1	3.5	23.5	9.51	20	20		
20-Jul-18	20.4	37	8	0.1	0.63	1.1	3.5	22.8	9.50	30	40		
21-Jul-18	20.2	36	7	0.1	0.58	1.1	3.5	22.6	9.54	20	10		
22-Jul-18	20.0	42	8	0.1	0.52	1.1	3.6	23.3	9.63	<10	<10		
23-Jul-18	19.8	46	8	0.1	0.52	1.1	3.6	22.5	9.56	30	30		
24-Jul-18	19.7	45	10	0.1	0.39	1.2	3.6	21.9	9.62	30	10		
25-Jul-18	19.6	52	9	0.1	0.46	1.2	3.7	21.3	9.62	10	10		
26-Jul-18	19.6	48	10	0.1	0.43	1.2	3.7	19.3	9.67	<10	20		
27-Jul-18	19.5	36	8	0.1	0.34	1.2	3.7	19.9	9.67	10	10		
28-Jul-18	19.3	27	7	0.1	0.27	1.2	3.7	21.1	9.84	10	<10		
29-Jul-18	19.1	24	8	4.0	0.28	1.2	3.6	22.4	9.80	<10	<10		
30-Jul-18	18.8	20	8	3.2	0.30	1.2	3.6	23.1	9.81	10	20		
31-Jul-18	18.7	18	5	0.1	0.37	1.2	3.6	22.7	9.72	<10	10		
<b>Max:</b>	23.0												
<b>Min:</b>	18.7												
<b>Average:</b>	<b>21.1</b>	<b>39</b>	<b>9</b>	<b>6.6</b>	<b>0.61</b>			<b>22.9</b>	<b>9.32</b>				
<b>Total Flow:</b>	<b>653.0</b>												
<b>Geo.Mean:</b>										<b>19</b>	<b>18</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