

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

**July 2019**

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-19	16.2	20	4	6.1	0.597	0.7	2.1	23.0	9.36	<10	20		
2-Jul-19	16.2	16	5	0.1	0.542	0.7	2.1	23.2	9.46	<10	10		
3-Jul-19	16.1	16	6	0.1	0.495	0.7	2.1	23.6	9.44	10	<10		
4-Jul-19	15.9	19	5	0.1	0.568	0.7	2.1	22.4	9.44	<10	<10		
5-Jul-19	15.7	21	6	0.1	0.554	0.7	2.1	23.1	9.52	10	<10		
6-Jul-19	15.6	25	5	0.1	0.585	0.7	2.1	22.1	9.41	10	10		
7-Jul-19	15.5	27	4	0.1	0.444	0.7	2.2	22.5	9.59	10	30		
8-Jul-19	16.7	20	4	0.9	0.474	0.7	2.2	23.1	9.64	<10	<10		
9-Jul-19	19.1	20	4	1.1	0.591	0.7	2.2	22.2	9.46	<10	10		
10-Jul-19	19.9	27	5	0.6	0.611	0.7	2.2	21.3	9.34	160	130		
11-Jul-19	20.0	32	7	0.1	0.591	0.7	2.2	22.1	9.53	50	110		
12-Jul-19	19.9	36	7	6.0	0.458	0.8	2.3	22.7	9.54	<10	30		
13-Jul-19	21.5	33	8	0.1	0.374	0.8	2.3	24.0	9.72	10	30		
14-Jul-19	22.1	32	6	0.1	0.419	0.8	2.3	24.8	9.64	160	130		
15-Jul-19	22.2	30	5	0.1	0.486	0.8	2.3	25.5	9.59	80	110		
16-Jul-19	26.1	30	5	0.2	0.528	0.8	2.4	25.2	9.48	30	50		
17-Jul-19	27.0	54	8	3.3	0.630	0.8	2.4	25.6	9.64	30	10		
18-Jul-19	25.9	31	6	1.8	0.634	0.8	2.4	24.2	9.35	40	10		
19-Jul-19	25.0	32	6	0.6	0.771	0.8	2.5	24.1	9.36	10	10		
20-Jul-19	24.1	36	8	3.5	0.776	0.8	2.5	23.8	9.39	30	10		
21-Jul-19	23.3	31	7	4.4	0.727	0.8	2.6	22.3	9.33	<10	10		
22-Jul-19	22.6	35	6	4.0	0.586	0.9	2.6	22.2	9.46	10	20		
23-Jul-19	22.0	35	5	2.2	0.582	0.9	2.6	23.0	9.54	20	<10		
24-Jul-19	21.3	40	5	1.7	0.559	0.9	2.7	23.9	9.61	20	10		
25-Jul-19	20.7	32	4	0.3	0.544	0.9	2.7	23.5	9.61	<10	50		
26-Jul-19	20.2	36	5	0.1	0.689	0.9	2.7	22.7	9.43	20	10		
27-Jul-19	19.6	38	5	0.1	0.701	0.9	2.7	23.0	9.38	10	20		
28-Jul-19	19.1	45	5	4.5	0.703	0.9	2.8	23.7	9.52	40	20		
29-Jul-19	18.7	42	4	0.1	0.724	0.9	2.8	21.2	9.48	20	20		
30-Jul-19	18.4	33	5	0.1	0.664	0.9	2.8	20.2	9.49	20	30		
31-Jul-19	18.1	35	5	0.4	0.464	0.9	2.8	21.2	9.67	10	10		
<b>Max:</b>	27.0												
<b>Min:</b>	15.5												
<b>Average:</b>	<b>20.1</b>	<b>31</b>	<b>5</b>	<b>1.4</b>	<b>0.583</b>			<b>23.1</b>	<b>9.50</b>				
<b>Total Flow:</b>	<b>624.6</b>												
<b>Geo.Mean:</b>										<b>15</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