

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

**November 2019**

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-Nov-19	34.8	19	8	0.2	<0.013	0.3	2.2	7.6	8.99	30	<10		
2-Nov-19	32.5	21	9	1.0	0.021	0.3	2.2	9.2	9.16	<10	<10		
3-Nov-19	31.8	19	9	1.0	0.013	0.3	2.2	2.5	9.22	<10	<10		
4-Nov-19	30.9	14	7	0.2	<0.013	0.3	2.3	5.3	9.24	<10	<10		
5-Nov-19	30.2	15	8	0.2	<0.013	0.3	2.3	6.1	9.06	<10	<10		
6-Nov-19	29.7	16	8	3.0	0.046	0.3	2.3	8.4	9.01	<10	<10		
7-Nov-19	29.3	19	7	0.4	0.040	0.3	2.3	4.6	9.07	<10	(nr)		
8-Nov-19	28.9	18	8	0.4	0.048	0.3	2.3	4.5	9.14	<10	(nr)		
9-Nov-19	28.3	16	7	1.8	0.046	0.3	2.3	4.7	8.98	<10	<10		
10-Nov-19	27.8	13	nr	2.0	0.092	0.2	2.3	3.0	8.91	<10	<10		
11-Nov-19	27.3	14	7	1.4	0.096	0.2	2.3	3.8	8.95	<10	<10		
12-Nov-19	26.9	10	7	1.1	0.047	0.2	2.3	3.7	8.81	<10	<10		
13-Nov-19	26.4	13	7	1.4	0.046	0.2	2.3	4.8	8.83	<10	<10		
14-Nov-19	25.9	26	7	1.6	0.068	0.2	2.3	4.0	8.75	<10	20		
15-Nov-19	25.5	16	7	1.0	0.044	0.2	2.4	4.1	8.73	10	<10		
16-Nov-19	25.2	18	7	1.9	<0.013	0.2	2.4	4.5	8.79	<10	10		
17-Nov-19	25.0	13	8	1.3	<0.013	0.2	2.4	3.7	8.82	<10	10		
18-Nov-19	24.8	13	7	1.4	0.027	0.2	2.5	6.5	8.71	10	<10		
19-Nov-19	24.9	13	7	1.7	0.187	0.2	2.6	2.9	8.78	<10	<10		
20-Nov-19	24.7	15	6	1.1	<0.013	0.2	2.6	4.2	8.77	10	<10		
21-Nov-19	24.5	18	7	1.0	0.038	0.2	2.7	4.4	8.68	<10	20		
22-Nov-19	24.5	12	7	2.7	0.047	0.2	2.7	4.1	8.59	10	<10		
23-Nov-19	24.7	14	8	3.5	0.098	0.2	2.8	3.2	8.56	<10	<10		
24-Nov-19	25.3	7	5	5.1	0.060	0.2	2.8	3.2	8.52	<10	<10		
25-Nov-19	25.6	10	5	4.5	0.055	0.2	2.9	4.6	8.51	<10	<10		
26-Nov-19	25.6	12	6	4.4	0.057	0.2	2.9	4.0	8.47	10	<10		
27-Nov-19	25.4	13	5	9.0	0.112	0.2	2.9	7.3	8.26	<10	<10		
28-Nov-19	25.2	16	6	5.7	0.054	0.2	2.9	5.4	8.42	<10	<10		
29-Nov-19	25.0	11	7	5.8	0.042	0.2	3.0	8.5	8.37	10	<10		
30-Nov-19	24.8	13	5	6.0	0.031	0.2	3.0	12.0	7.89	10	<10		
<b>Max:</b>	34.8												
<b>Min:</b>	24.5												
<b>Average:</b>	<b>27.0</b>	<b>15</b>	<b>7</b>	<b>2.4</b>	<b>0.048</b>			<b>5.2</b>	<b>8.77</b>				
<b>Total Flow:</b>	<b>811.4</b>												
<b>Geo.Mean:</b>										<b>6</b>	<b>6</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