

**City of Winnipeg  
Water and Waste Department  
West End Water Pollution Control Centre Monitoring Data  
November 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-Nov-18	21.0	42	11	3.5	<0.01	0.3	3.0	4.9	8.94	150	120		
2-Nov-18	20.9	40	10	4.0	<0.01	0.3	3.0	4.9	9.03	150	160		
3-Nov-18	21.7	40	11	3.9	<0.01	0.3	2.9	3.7	8.95	40	20		
4-Nov-18	20.8	39	12	2.6	0.01	0.3	2.9	2.0	9.10	90	110		
5-Nov-18	20.7	36	12	1.7	0.02	0.3	2.9	2.5	9.04	30	100		
6-Nov-18	20.4	45	12	2.5	<0.01	0.3	2.9	4.1	9.05	70	60		
7-Nov-18	20.2	40	12	3.9	<0.01	0.3	3.0	2.3	8.97	40	60		
8-Nov-18	20.1	39	13	0.1	0.01	0.3	3.2	2.0	9.21	20	30		
9-Nov-18	20.0	35	13	0.1	<0.01	0.3	3.2	2.9	9.26	20	10		
10-Nov-18	19.9	33	14	5.8	0.01	0.3	3.2	1.9	9.17	<10	30		
11-Nov-18	19.8	38	15	0.1	<0.01	0.3	3.2	0.8	9.21	<10	10		
12-Nov-18	19.8	28	13	0.1	<0.01	0.3	3.2	1.9	9.10	30	<10		
13-Nov-18	19.8	32	13	0.1	<0.01	0.3	3.2	2.9	9.10	<10	<10		
14-Nov-18	19.7	29	13	0.2	<0.01	0.3	3.2	3.3	9.07	<10	<10		
15-Nov-18	19.6	25	13	0.3	0.05	0.3	3.2	3.0	9.21	<10	10		
16-Nov-18	19.5	26	13	0.7	<0.01	0.3	3.2	2.3	9.30	30	<10		
17-Nov-18	19.4	21	13	0.1	0.02	0.3	3.3	2.4	9.07	<10	10		
18-Nov-18	19.3	19	15	0.1	<0.01	0.3	3.3	1.5	9.09	<10	10		
19-Nov-18	19.4	22	14	0.2	<0.01	0.3	3.3	3.3	9.09	10	10		
20-Nov-18	19.4	22	14	0.6	<0.01	0.3	3.3	4.1	9.12	<10	<10		
21-Nov-18	19.3	29	15	0.5	<0.01	0.3	3.3	3.4	9.11	<10	<10		
22-Nov-18	19.2	22	13	4.4	0.01	0.3	3.2	4.3	8.98	<10	<10		
23-Nov-18	19.1	21	13	2.2	0.02	0.3	3.2	3.8	8.97	<10	<10		
24-Nov-18	19.1	19	13	12.2	0.04	0.3	3.2	2.9	8.86	<10	<10		
25-Nov-18	19.0	20	12	4.9	0.03	0.3	3.2	1.9	8.81	<10	<10		
26-Nov-18	19.0	21	11	10.6	0.03	0.3	3.2	3.2	8.82	<10	<10		
27-Nov-18	19.0	23	11	3.7	<0.01	0.3	3.1	2.4	8.91	<10	<10		
28-Nov-18	19.3	22	11	3.7	0.03	0.3	3.1	4.0	8.82	<10	10		
29-Nov-18	19.4	15	9	10.2	0.04	0.3	3.1	3.9	8.88	<10	<10		
30-Nov-18	19.3	17	9	7.6	0.06	0.3	3.1	3.6	8.77	<10	<10		
<b>Max:</b>	21.7												
<b>Min:</b>	19.0												
<b>Average:</b>	<b>19.8</b>	<b>29</b>	<b>12</b>	<b>3.0</b>	<b>0.02</b>			<b>3.0</b>	<b>9.03</b>				
<b>Total Flow:</b>	<b>592.8</b>												
<b>Geo.Mean:</b>										<b>12</b>	<b>13</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