

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

**December 2021**

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-Dec-21	19.9	16	6	5.8	0.060	0.3	3.6	4.0	9.08	<10	<10		
2-Dec-21	19.8	15	9	4.6	0.101	0.3	3.6	4.1	9.11	10	10		
3-Dec-21	19.7	20	5	4.6	0.078	0.3	3.6	3.9	8.91	<10	<10		
4-Dec-21	19.7	15	nr	12.3	0.113	0.3	3.6	3.0	9.06	<10	<10		
5-Dec-21	19.7	13	7	3.9	0.084	0.3	3.6	2.9	9.10	<10	<10		
6-Dec-21	19.8	16	6	4.1	0.074	0.3	3.6	3.4	9.08	10	<10		
7-Dec-21	19.7	16	7	3.3	0.080	0.3	3.6	3.3	9.22	<10	10		
8-Dec-21	19.7	17	7	3.0	0.070	0.3	3.6	3.8	9.09	<10	<10		
9-Dec-21	19.6	17	7	2.8	0.073	0.3	3.6	3.5	9.07	<10	<10		
10-Dec-21	19.6	10	7	8.2	0.096	0.3	3.6	3.4	9.07	10	<10		
11-Dec-21	19.6	13	7	3.4	0.087	0.3	3.5	2.6	9.03	<10	<10		
12-Dec-21	19.6	15	7	14.2	0.106	0.3	3.5	2.7	9.01	10	<10		
13-Dec-21	19.6	14	7	4.1	0.147	0.3	3.5	2.1	9.04	<10	<10		
14-Dec-21	19.5	18	6	15.3	0.110	0.3	3.5	2.2	8.97	<10	<10		
15-Dec-21	19.4	16	6	13.7	0.110	0.3	3.6	2.3	8.99	<10	<10		
16-Dec-21	19.4	13	7	5.4	0.102	0.3	3.5	2.0	8.96	<10	<10		
17-Dec-21	19.3	14	5	7.3	0.121	0.3	3.6	1.9	8.88	<10	<10		
18-Dec-21	19.3	14	4	8.0	0.113	0.3	3.6	1.9	8.81	<10	<10		
19-Dec-21	19.3	11	7	6.8	0.107	0.3	3.6	5.2	8.82	<10	<10		
20-Dec-21	19.3	11	6	7.5	0.087	0.3	3.6	2.1	8.84	<10	<10		
21-Dec-21	19.3	13	6	8.9	0.114	0.3	3.7	1.7	8.81	<10	<10		
22-Dec-21	19.4	14	6	10.3	0.104	0.3	3.7	1.7	8.65	<10	<10		
23-Dec-21	19.4	8	6	9.9	0.114	0.3	3.8	1.6	8.60	<10	<10		
24-Dec-21	19.4	10	5	12.4	0.119	0.3	3.8	3.4	8.49	<10	<10		
25-Dec-21	19.3	11	5	13.9	0.124	0.3	3.8	2.4	8.35	<10	<10		
26-Dec-21	19.6	8	5	14.6	0.128	0.3	3.9	2.4	8.23	10	<10		
27-Dec-21	19.6	8	4	15.1	0.149	0.3	4.0	2.3	8.12	<10	<10		
28-Dec-21	19.6	7	4	17.3	0.144	0.3	4.0	2.1	8.00	<10	<10		
29-Dec-21	19.5	8	4	18.8	0.142	0.3	4.1	2.9	7.91	20	<10		
30-Dec-21	19.5	8	4	19.7	0.232	0.3	4.1	2.8	7.83	40	<10		
31-Dec-21	19.4	6	4	19.2	0.151	0.3	4.1	2.3	7.74	10	<10		
<b>Max:</b>	19.9												
<b>Min:</b>	19.3												
<b>Average:</b>	<b>19.5</b>	<b>13</b>	<b>9</b>	<b>9.6</b>	<b>0.111</b>			<b>2.8</b>	<b>8.74</b>				
<b>Total Flow:</b>	<b>605.6</b>												
<b>Geo.Mean:</b>										<b>6</b>	<b>5</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