

**City of Winnipeg  
Water and Waste Department  
West End Water Pollution Control Centre Monitoring Data  
November 2017**

Licence # 2669 E RR	File # 53.10	Final Effluent 24 Hour Composite						Final Effluent Grab Sample					
		Date	Raw Sewage 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-17	20.5	48	10	0.4	0.02	0.7	2.7	1.9	8.74	230	190		
2-Nov-17	20.3	37	11	1.6	<0.01	0.6	2.7	2.2	8.81	40	40		
3-Nov-17	20.0	40	10	0.1	0.04	0.6	2.8	2.1	8.82	110	40		
4-Nov-17	20.6	37	10	0.1	0.05	0.6	2.8	2.6	8.85	70	60		
5-Nov-17	21.3	35	10	0.1	0.03	0.6	2.9	2.1	8.95	20	30		
6-Nov-17	20.1	29	10	0.1	0.04	0.6	3.0	2.4	8.89	20	40		
7-Nov-17	19.7	23	10	0.1	<0.01	0.6	3.0	2.3	8.90	90	30		
8-Nov-17	19.7	25	10	0.1	<0.01	0.6	3.1	2.6	8.92	10	20		
9-Nov-17	19.6	25	10	0.1	<0.01	0.6	3.1	2.1	8.87	10	<10		
10-Nov-17	19.6	32	7	0.1	0.02	0.5	3.2	2.1	8.86	<10	20		
11-Nov-17	20.2	27	9	0.8	0.02	0.5	3.2	2.4	8.92	<10	10		
12-Nov-17	20.4	23	9	0.1	<0.01	0.5	3.3	2.0	8.93	<10	<10		
13-Nov-17	20.4	20	8	0.8	0.06	0.5	3.3	2.5	8.90	20	20		
14-Nov-17	19.7	23	8	0.1	<0.01	0.5	3.4	2.8	8.86	10	20		
15-Nov-17	19.5	15	7	0.1	0.08	0.5	3.4	2.7	8.90	10	20		
16-Nov-17	19.6	24	8	0.4	0.03	0.5	3.5	2.9	8.45	20	20		
17-Nov-17	19.6	22	5	1.0	0.02	0.5	3.5	2.1	8.84	<10	10		
18-Nov-17	20.3	19	6	0.8	<0.01	0.5	3.6	2.6	8.89	nr	nr		
19-Nov-17	20.9	13	5	0.8	0.06	0.5	3.6	2.6	8.78	<10	<10		
20-Nov-17	20.1	16	7	0.6	0.06	0.4	3.7	2.9	8.70	<10	<10		
21-Nov-17	19.4	17	6	0.6	0.07	0.4	3.7	2.4	8.72	10	<10		
22-Nov-17	19.4	16	6	1.9	<0.01	0.4	3.8	2.7	8.69	10	<10		
23-Nov-17	19.3	18	5	1.2	<0.01	0.4	3.8	2.6	8.70	10	<10		
24-Nov-17	19.7	12	5	0.4	<0.01	0.4	3.9	2.9	8.78	<10	<10		
25-Nov-17	20.3	13	5	0.8	<0.01	0.4	4.0	2.4	8.71	<10	10		
26-Nov-17	20.6	17	5	3.5	<0.01	0.4	4.0	2.6	8.69	10	<10		
27-Nov-17	20.6	11	5	1.0	<0.01	0.3	4.1	3.0	8.65	<10	<10		
28-Nov-17	20.0	11	4	1.0	0.02	0.3	4.2	2.9	8.63	<10	10		
29-Nov-17	19.5	14	4	0.1	<0.01	0.3	4.2	3.3	8.61	10	<10		
30-Nov-17	19.1	11	4	0.1	<0.01	0.3	4.3	3.3	8.55	<10	<10		
<b>Max:</b>	21.3												
<b>Min:</b>	19.1												
<b>Average:</b>	<b>20.0</b>	<b>22</b>	<b>7</b>	<b>0.6</b>	<b>0.02</b>			<b>2.5</b>	<b>8.78</b>				
<b>Total Flow:</b>	<b>599.9</b>												
<b>Geo.Mean:</b>										<b>12</b>	<b>13</b>		

**Notes:**

(1) Effluent ammonia load based upon Raw Sewage flows and Final Cell NH3-N concentrations

(2) nr - not recorded or no result; na - not analyzed; ns - no sample

(3) Where value is expressed as less than (<), the value is halved and used in the calculations

(4) \* = 30 day rolling average