

**City of Winnipeg  
Water and Waste Department  
West End Water Pollution Control Centre Monitoring Data  
January 2015**

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-Jan-15	20.9	16	11	72.9	0.18	0.5	9	0	8.21	9	9		
2-Jan-15	20.0	18	11	64.6	0.16	0.5	9	0	7.96	<3	<3		
3-Jan-15	20.3	14	11	64.8	0.16	0.5	9	0	8.16	<3	<3		
4-Jan-15	21.2	18	11	64.9	0.18	0.5	9	0	7.92	9	9		
5-Jan-15	20.2	15	11	62.2	0.19	0.5	9	0	8.04	4	4		
6-Jan-15	20.0	14	12	66.0	0.21	0.5	9	0	8.10	9	9		
7-Jan-15	20.0	23	12	58.6	0.23	0.5	9	0	7.93	<3	<3		
8-Jan-15	20.0	32	12	69.2	0.26	0.5	9	0	7.84	<3	<3		
9-Jan-15	20.0	15	12	61.0	0.23	0.5	9	0	7.92	<3	<3		
10-Jan-15	20.7	18	12	64.6	0.22	0.5	9	0	8.04	<3	<3		
11-Jan-15	21.1	22	12	63.3	0.23	0.5	9	0	7.86	<3	<3		
12-Jan-15	20.1	14	12	57.7	0.24	0.5	9	1	7.85	<3	<3		
13-Jan-15	19.9	15	11	61.1	0.22	0.5	9	1	7.82	4	4		
14-Jan-15	19.8	15	12	52.7	0.23	0.6	9	1	7.89	<3	<3		
15-Jan-15	19.9	20	12	56.3	0.22	0.6	9	1	7.89	<3	<3		
16-Jan-15	20.0	18	11	58.2	0.18	0.6	9	1	7.80	<3	<3		
17-Jan-15	20.7	17	10	58.4	0.19	0.6	9	1	7.65	<3	<3		
18-Jan-15	21.3	12	10	60.3	0.19	0.6	9	1	7.68	<3	<3		
19-Jan-15	20.2	15	11	64.0	0.21	0.6	9	1	7.57	4	4		
20-Jan-15	19.7	14	10	59.1	0.20	0.6	9	1	7.52	4	4		
21-Jan-15	20.3	12	9	59.9	0.19	0.6	9	1	7.67	9	9		
22-Jan-15	19.9	13	9	52.3	0.19	0.6	9	1	7.62	4	4		
23-Jan-15	20.6	11	9	51.9	0.22	0.6	9	1	7.57	4	4		
24-Jan-15	21.2	12	8	52.8	0.23	0.6	9	1	7.56	4	4		
25-Jan-15	21.5	6	8	56.1	0.24	0.6	9	1	7.52	<3	<3		
26-Jan-15	20.5	15	8	49.2	0.21	0.6	9	1	7.51	<3	<3		
27-Jan-15	19.7	8	7	47.3	0.21	0.6	9	1	7.51	<3	<3		
28-Jan-15	19.1	8	7	45.6	0.21	0.6	9	1	7.48	<3	<3		
29-Jan-15	20.2	13	7	48.5	0.21	0.6	9	1	7.45	<3	<3		
30-Jan-15	20.4	8	7	53.2	0.23	0.6	9	1	7.45	4	4		
31-Jan-15	21.1	9	7	54.2	0.23	0.6	9	1	7.36	9	9		
<b>Max:</b>	21.5												
<b>Min:</b>	19.1												
<b>Average:</b>	<b>20.34</b>	<b>15</b>	<b>10</b>	<b>58</b>	<b>0.21</b>			<b>1</b>	<b>7.75</b>				
<b>Total Flow:</b>	<b>630.5</b>												
<b>Geo.Mean:</b>										<b>&lt;3</b>	<b>&lt;3</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

(5) Total Nitrogen results are calculated from TKN and nitrate values