

**City of Winnipeg**  
**Water and Waste Department**  
**West End Water Pollution Control Centre Monitoring Data**  
**April 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-Apr-17	46.6	8	8	0.2	0.05	0.3	6.9	4.0	9.20	<3	<3		
2-Apr-17	44.0	11	7	0.2	0.02	0.3	6.7	3.9	9.23	<3	<3		
3-Apr-17	42.8	4	6	0.2	0.02	0.3	6.4	5.4	9.12	4	4		
4-Apr-17	37.4	10	5	0.2	0.03	0.3	6.2	5.9	9.27	<3	<3		
5-Apr-17	34.2	7	6	0.2	<0.01	0.3	6.0	6.0	9.35	<3	<3		
6-Apr-17	31.6	9	5	0.2	<0.01	0.3	5.9	6.4	9.32	<3	<3		
7-Apr-17	31.7	13	5	0.2	<0.01	0.3	5.8	6.6	9.26	<10	<10		
8-Apr-17	31.0	13	6	0.9	<0.01	0.3	5.7	5.7	9.27	10	<10		
9-Apr-17	31.7	14	6	0.2	0.03	0.3	5.6	6.3	9.32	<10	<10		
10-Apr-17	28.7	9	6	0.1	0.02	0.3	5.5	5.5	9.31	<10	<10		
11-Apr-17	27.8	13	6	0.1	0.02	0.3	5.3	6.0	9.48	<10	<10		
12-Apr-17	27.4	14	7	0.1	0.02	0.3	5.3	7.9	9.60	<10	<10		
13-Apr-17	27.2	16	7	0.1	<0.01	0.2	5.1	9.1	9.43	10	10		
14-Apr-17	29.7	22	7	0.1	<0.01	0.2	4.9	9.5	9.49	50	10		
15-Apr-17	32.2	21	7	0.2	<0.01	0.2	4.7	10.2	9.57	<10	<10		
16-Apr-17	60.2	17	6	0.3	<0.01	0.2	4.5	11.4	9.32	10	<10		
17-Apr-17	45.6	19	6	0.2	0.01	0.2	4.4	7.9	9.32	<10	10		
18-Apr-17	37.5	22	7	0.2	0.04	0.2	4.2	7.9	9.20	30	30		
19-Apr-17	33.9	23	8	0.2	0.04	0.2	4.1	8.4	9.16	10	20		
20-Apr-17	31.6	22	8	0.9	0.04	0.2	4.0	9.7	9.21	13	7		
21-Apr-17	30.5	16	7	0.2	0.06	0.2	3.9	9.7	9.11	<10	20		
22-Apr-17	37.6	16	7	2.6	0.09	0.2	3.8	10.3	9.07	16	22		
23-Apr-17	37.3	13	5	3.4	0.09	0.2	3.8	9.1	9.01	19	9		
24-Apr-17	36.0	12	5	6.5	0.11	0.2	3.7	7.9	8.84	9	13		
25-Apr-17	34.6	12	nr	5.9	0.10	0.2	3.6	6.6	8.86	196	91		
26-Apr-17	32.6	13	5	5.2	0.09	0.2	3.5	6.4	8.85	196	126		
27-Apr-17	31.5	17	6	3.8	0.12	0.2	3.4	6.1	8.88	194	435		
28-Apr-17	30.4	19	6	1.8	0.09	0.2	3.3	6.7	8.78	345	201		
29-Apr-17	29.9	20	8	1.2	0.09	0.2	3.1	7.7	8.85	91	75		
30-Apr-17	30.0	18	7	1.5	0.12	0.2	3.1	9.1	8.85	4	4		
<b>Max:</b>	60.2												
<b>Min:</b>	27.2												
<b>Average:</b>	<b>34.8</b>	<b>15</b>	<b>6</b>	<b>1.2</b>	<b>0.04</b>			<b>7.4</b>	<b>9.18</b>				
<b>Total Flow:</b>	<b>1043.2</b>												
<b>Geo.Mean:</b>										<b>11</b>	<b>10</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