

**City of Winnipeg  
Water and Waste Department  
West End Water Pollution Control Centre Monitoring Data  
June 2012**

Licence 2669 E RR	Raw Sewage	Final Effluent 24 Hour Composite						Final Effluent Grab Sample					
		Date	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-Jun-12	33.4	7	6	6.3	0.42	0.8	2	16	9.18	9	9		
2-Jun-12	31.0	9	8	0.6	0.37	0.8	2	16	9.28	23	23		
3-Jun-12	30.4	10	9	3.6	0.35	0.8	2	19	9.44	23	4		
4-Jun-12	30.0	10	9	0.6	0.32	0.8	2	19	9.45	7	7		
5-Jun-12	29.0	10	8	2.3	0.30	0.8	2	20	9.57	<3	<3		
6-Jun-12	28.8	8	7	2.3	0.33	0.8	2	21	9.60	4	4		
7-Jun-12	28.9	<4	5	5.8	0.33	0.8	2	23	9.77	<3	<3		
8-Jun-12	33.1	6	3	17.2	0.41	0.8	2	23	9.56	23	23		
9-Jun-12	33.5	10	5	18.8	0.50	0.8	2	22	9.49	3	<3		
10-Jun-12	38.8	8	4	31.4	0.62	0.8	2	21	9.34	7	7		
11-Jun-12	50.8	10	3	46.2	0.63	0.8	2	19	9.21	23	23		
12-Jun-12	35.7	10	3	27.8	0.64	0.8	2	16	9.18	<3	<3		
13-Jun-12	39.3	13	<2	29.9	0.64	0.8	2	17	9.33	3	3		
14-Jun-12	34.0	11	<2	20.1	0.61	0.8	2	18	9.26	4	4		
15-Jun-12	31.7	7	<2	15.9	0.52	0.8	2	18	9.51	<3	<3		
16-Jun-12	46.5	4	<2	18.6	0.51	0.8	2	20	9.71	15	15		
17-Jun-12	44.0	5	<2	19.4	0.49	0.8	2	20	9.78	43	15		
18-Jun-12	38.9	9	<2	14.8	0.51	0.8	2	19	9.76	93	93		
19-Jun-12	34.6	<4	<2	12.1	0.48	0.8	2	18	9.79	230	230		
20-Jun-12	36.5	7	<2	10.2	0.46	0.8	2	18	9.83	<3	<3		
21-Jun-12	35.0	7	<2	8.8	0.45	0.8	2	18	9.88	<3	<3		
22-Jun-12	32.7	4	<2	11.4	0.46	0.8	2	19	9.99	<3	<3		
23-Jun-12	31.5	<4	4	11.7	0.40	0.7	2	20	9.92	4	4		
24-Jun-12	31.4	6	<2	10.4	0.36	0.7	2	18	9.91	15	4		
25-Jun-12	30.3	8	3	7.6	0.29	0.7	2	20	9.93	4	4		
26-Jun-12	29.8	9	3	4.2	0.30	0.7	2	20	10.10	<3	<3		
27-Jun-12	29.5	8	3	10.6	0.33	0.7	2	21	9.93	4	2		
28-Jun-12	29.1	13	4	5.2	0.31	0.7	2	21	10.10	4	4		
29-Jun-12	28.7	9	7	3.2	0.34	0.7	2	20	9.86	9	9		
30-Jun-12	27.3	10	7	2.2	0.31	0.7	2	21	10.00	21	21		
<b>Max:</b>	50.8												
<b>Min:</b>	27.3												
<b>Average:</b>	<b>33.8</b>	<b>8</b>	<b>4</b>	<b>12.6</b>	<b>0.43</b>			<b>19</b>	<b>9.66</b>				
<b>Total Flow:</b>	<b>1014.2</b>												
<b>Geo.Mean:</b>										<b>7</b>	<b>5</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