

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

**June 2014**

Licence 2669 E RR	Raw Sewage	Final Effluent 24 Hour Composite						Final Effluent Grab Sample			
		TSS	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform	E.Coli
1-Jun-14	28.9	19	nr	0.1	0.57	0.3	3	22	9.33	23	9
2-Jun-14	29.6	17	8	1.2	0.77	0.4	3	20	9.08	230	230
3-Jun-14	28.4	10	8	0.9	0.67	0.4	3	19	8.98	230	43
4-Jun-14	28.3	17	8	0.1	0.61	0.4	3	20	9.30	93	11
5-Jun-14	31.1	10	8	0.2	0.64	0.4	3	20	9.14	93	43
6-Jun-14	28.0	18	9	nr	0.70	0.5	2	20	9.25	370	370
7-Jun-14	27.1	22	8	0.1	0.63	0.5	2	19	9.26	43	43
8-Jun-14	27.6	23	8	0.1	0.69	0.5	2	18	9.39	43	43
9-Jun-14	27.7	24	9	0.1	0.60	0.5	2	19	9.37	93	93
10-Jun-14	27.0	15	9	0.1	0.61	0.6	2	19	9.43	93	93
11-Jun-14	26.8	22	9	0.1	0.65	0.6	2	19	9.40	230	230
12-Jun-14	26.4	15	8	0.1	0.65	0.6	2	18	9.41	93	93
13-Jun-14	26.2	17	8	0.1	0.67	0.6	2	19	9.39	23	23
14-Jun-14	34.9	25	6	0.7	0.70	0.7	2	18	9.37	120	120
15-Jun-14	79.7	20	nr	0.4	0.69	0.7	2	16	9.35	150	93
16-Jun-14	75.3	17	7	0.4	0.66	0.7	2	16	9.20	93	93
17-Jun-14	55.6	23	7	0.3	0.64	0.7	2	18	9.47	150	75
18-Jun-14	40.8	20	8	0.8	0.65	0.7	2	18	9.31	150	20
19-Jun-14	38.6	27	7	0.2	0.63	0.8	2	19	9.42	93	93
20-Jun-14	56.2	28	nr	0.3	0.64	0.8	2	19	9.42	43	43
21-Jun-14	47.4	28	8	0.2	0.63	0.8	2	19	9.49	23	23
22-Jun-14	48.0	27	9	0.2	0.62	0.8	2	20	9.68	20	20
23-Jun-14	40.5	23	8	0.2	0.60	0.9	2	22	9.75	43	23
24-Jun-14	37.0	26	8	0.2	0.66	0.9	2	20	9.70	23	23
25-Jun-14	34.9	55	14	0.2	0.68	0.9	2	19	9.59	29	29
26-Jun-14	33.4	32	14	0.2	0.69	0.9	2	19	9.59	43	43
27-Jun-14	32.5	38	11	0.7	0.68	0.9	3	20	9.61	15	15
28-Jun-14	35.8	43	nr	1.4	0.69	1.0	3	21	9.52	23	9
29-Jun-14	54.7	54	nr	0.3	0.69	1.0	3	20	9.51	75	75
30-Jun-14	71.1	39	nr	2.8	0.60	1.0	3	19	9.37	150	150
<b>Max:</b>	79.7										
<b>Min:</b>	26.2										
<b>Average:</b>	<b>39.32</b>	<b>25</b>	<b>9</b>	<b>0.4</b>	<b>0.65</b>			<b>19</b>	<b>9.40</b>		
<b>Total Flow:</b>	<b>1179.5</b>										
<b>Geo.Mean:</b>										<b>68</b>	<b>48</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