

**City of Winnipeg  
Water and Waste Department  
West End Water Pollution Control Centre Monitoring Data  
March 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-Mar-14	19.4	3	<3	92.7	0.58	0.8	8	1	7.21	21	15
2-Mar-14	20.1	5	3	93.3	0.60	0.8	8	0	7.17	93	21
3-Mar-14	19.5	4	3	91.1	0.60	0.8	8	1	7.14	15	15
4-Mar-14	19.0	6	3	97.3	0.61	0.8	8	1	7.24	75	20
5-Mar-14	18.7	4	3	89.9	0.62	0.8	8	1	7.10	23	9
6-Mar-14	18.5	5	3	88.3	0.65	0.8	8	1	7.15	nr	nr
7-Mar-14	18.7	5	3	90.2	0.55	0.8	8	1	7.13	15	7
8-Mar-14	19.5	ns	ns	ns	ns	0.8	8	0	7.17	43	43
9-Mar-14	18.3	ns	ns	ns	ns	0.8	9	ns	ns	ns	ns
10-Mar-14	19.8	ns	ns	ns	ns	0.8	9	0	7.01	93	93
11-Mar-14	20.4	23	4	94.7	0.56	0.8	9	1	7.26	4	4
12-Mar-14	21.1	28	4	99.5	0.58	0.8	9	2	7.41	<3	<3
13-Mar-14	20.0	28	6	94.9	0.59	0.8	9	3	7.55	21	15
14-Mar-14	20.0	27	5	110.3	0.60	0.8	9	3	7.27	4	<3
15-Mar-14	21.1	34	5	193.5	0.60	0.8	9	3	7.18	9	9
16-Mar-14	20.5	23	5	98.3	0.63	0.8	9	3	7.41	4	4
17-Mar-14	19.3	14	4	67.7	0.43	0.8	9	3	7.56	15	7
18-Mar-14	19.6	<3	<3	60.7	0.38	0.8	9	1	7.13	93	43
19-Mar-14	21.5	<3	3	64.7	0.35	0.8	9	1	7.13	43	4
20-Mar-14	21.8	3	3	62.5	0.34	0.8	9	1	7.14	43	23
21-Mar-14	21.7	4	4	67.6	0.36	0.7	9	0	7.09	43	9
22-Mar-14	21.5	7	<3	63.5	0.35	0.8	9	0	7.11	15	15
23-Mar-14	20.9	4	<3	59.1	0.33	0.7	9	0	7.14	4	4
24-Mar-14	20.1	4	3	54.7	0.31	0.7	9	0	7.09	9	4
25-Mar-14	19.6	4	3	52.2	0.32	0.7	9	0	7.11	43	7
26-Mar-14	19.7	4	nr	52.3	0.31	0.7	9	0	7.05	38	38
27-Mar-14	19.8	3	<3	54.8	0.30	0.7	9	0	7.04	14	14
28-Mar-14	20.2	6	<3	62.6	0.32	0.7	9	1	7.19	93	21
29-Mar-14	20.6	ns	ns	ns	ns	0.7	9	0	7.09	73	73
30-Mar-14	22.3	ns	ns	ns	ns	0.7	9	ns	ns	ns	ns
31-Mar-14	20.1	4	3	56.9	0.28	0.7	9	0	7.11	230	93
<b>Max:</b>	22.3										
<b>Min:</b>	18.3										
<b>Average:</b>	<b>20.10</b>	<b>10</b>	<b>3</b>	<b>81</b>	<b>0.47</b>			<b>1</b>	<b>7.19</b>		
<b>Total Flow:</b>	<b>623.2</b>										
<b>Geo.Mean:</b>										<b>23</b>	<b>12</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