

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

Licence # 2669 E RR	File # 53.10	Final Effluent 24 Hour Composite						Final Effluent Grab Sample			
		TSS	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform	E.Coli
Date	ML										
1-Sep-15	25.8	19	7	0.1	0.46	0.6	1	21	9.42	23	23
2-Sep-15	26.0	18	6	0.1	0.49	0.6	1	22	9.42	23	23
3-Sep-15	25.7	17	6	4.4	0.51	0.6	1	22	9.49	93	93
4-Sep-15	35.1	14	4	6.0	0.60	0.7	1	23	9.40	210	210
5-Sep-15	45.0	16	5	6.8	0.65	0.7	1	22	9.25	930	930
6-Sep-15	56.0	16	4	38.6	0.73	0.7	1	21	9.10	4300	4300
7-Sep-15	39.5	18	6	0.2	0.68	0.7	1	20	9.30	430	430
8-Sep-15	34.8	21	5	3.1	0.68	0.7	1	20	9.31	150	93
9-Sep-15	32.2	26	7	8.4	0.81	0.7	1	18	9.37	150	150
10-Sep-15	31.9	24	8	0.2	0.67	0.7	1	17	9.37	430	430
11-Sep-15	29.9	27	9	8.1	0.49	0.7	1	16	9.33	2,400	2,400
12-Sep-15	27.1	39	8	0.1	0.44	0.7	1	16	9.43	430	150
13-Sep-15	27.0	28	10	0.1	0.46	0.7	1	17	9.46	430	150
14-Sep-15	26.2	46	10	0.1	0.46	0.7	1	17	9.38	240	240
15-Sep-15	25.5	62	9	0.1	0.45	0.8	1	17	9.40	110	74
16-Sep-15	25.6	34	7	0.1	0.46	0.8	2	18	9.38	43	23
17-Sep-15	28.2	37	7	0.1	0.46	0.8	2	18	9.35	240	240
18-Sep-15	25.2	28	7	0.1	0.45	0.8	2	17	9.37	430	430
19-Sep-15	25.0	35	7	0.1	0.45	0.8	2	18	9.44	430	430
20-Sep-15	25.4	31	7	0.1	0.47	0.8	2	17	9.43	430	430
21-Sep-15	24.7	39	7	0.7	0.52	0.8	2	18	9.29	930	930
22-Sep-15	24.0	49	6	1.2	0.52	0.8	2	16	9.26	1,500	1,500
23-Sep-15	23.8	35	7	2.4	0.45	0.8	2	15	9.27	230	230
24-Sep-15	23.7	40	6	0.1	0.43	0.8	2	15	9.35	240	240
25-Sep-15	23.8	35	8	8.6	0.46	0.8	2	16	9.34	93	93
26-Sep-15	23.9	36	6	0.1	0.41	0.8	2	18	9.32	240	240
27-Sep-15	25.3	43	6	0.1	0.43	0.8	2	18	9.30	140	140
28-Sep-15	24.1	44	6	0.1	0.45	0.8	2	18	9.32	430	430
29-Sep-15	23.0	ns	ns	ns	ns	0.9	2	15	9.31	930	930
30-Sep-15	21.5	38	7	0.1	0.41	0.9	2	14	9.34	430	430
<b>Max:</b>	56.0										
<b>Min:</b>	21.5										
<b>Average:</b>	<b>28.5</b>	<b>32</b>	<b>7</b>	<b>3</b>	<b>0.52</b>			<b>18</b>	<b>9.35</b>		
<b>Total Flow:</b>	<b>854.8</b>										
<b>Geo.Mean:</b>										<b>289</b>	<b>256</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