

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
February 2014**

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-Feb-14	19.9	9	4	72.1	0.57	0.6	10	0	7.17	43	43		
2-Feb-14	20.3	7	3	69.1	0.59	0.6	10	0	7.18	43	15		
3-Feb-14	19.3	7	4	66.8	0.60	0.6	9	0	7.14	38	38		
4-Feb-14	18.9	5	2	63.4	0.60	0.6	9	0	7.05	43	43		
5-Feb-14	18.9	7	3	58.7	0.59	0.7	9	0	7.11	9	9		
6-Feb-14	19.0	4	2	59.0	0.59	0.7	9	0	7.11	15	15		
7-Feb-14	19.2	6	2	63.0	0.63	0.7	9	0	7.24	15	7		
8-Feb-14	19.9	8	3	70.0	0.64	0.7	9	0	7.21	4	4		
9-Feb-14	20.0	7	3	61.6	0.63	0.7	9	0	7.02	23	9		
10-Feb-14	18.7	7	3	56.0	0.59	0.7	9	0	7.03	9	9		
11-Feb-14	19.1	13	3	59.1	0.61	0.7	8	0	7.13	43	15		
12-Feb-14	19.0	6	3	59.9	0.60	0.7	8	0	7.12	23	23		
13-Feb-14	18.5	7	nr	61.3	0.60	0.7	8	0	6.98	23	23		
14-Feb-14	18.7	6	4	62.0	0.63	0.7	8	0	7.13	15	3		
15-Feb-14	19.1	7	4	66.7	0.62	0.8	8	0	7.11	4	<3		
16-Feb-14	18.9	10	3	66.1	0.60	0.8	8	0	7.06	23	23		
17-Feb-14	19.4	7	nr	69.9	0.62	0.8	8	1	7.19	43	43		
18-Feb-14	18.8	5	3	69.2	0.59	0.8	8	0	7.12	43	15		
19-Feb-14	18.6	6	3	71.0	0.61	0.8	8	0	7.08	75	38		
20-Feb-14	18.3	7	4	32.4	0.18	0.8	8	0	7.10	75	43		
21-Feb-14	18.7	6	2	79.9	0.61	0.8	8	0	7.04	43	43		
22-Feb-14	19.4	8	3	81.8	0.56	0.8	8	0	6.99	21	11		
23-Feb-14	19.8	7	3	83.9	0.56	0.8	8	0	7.03	93	23		
24-Feb-14	18.9	4	3	79.5	0.56	0.8	8	0	7.06	23	23		
25-Feb-14	18.6	5	2	77.8	0.57	0.8	8	0	7.04	23	23		
26-Feb-14	18.6	5	3	80.4	0.53	0.8	8	0	7.12	23	4		
27-Feb-14	18.4	4	2	78.4	0.56	0.8	8	0	7.05	93	93		
28-Feb-14	18.6	4	3	83.4	0.58	0.8	8	0	7.04	23	9		
Max:	20.3												
Min:	18.3												
Average:	19.05	7	3	68	0.58			0	7.09				
Total Flow:	533.4												
Geo.Mean:										26	16		

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