

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

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-15	21.1	10	7	49.4	0.24	0.6	9	1	7.41	<3	<3		
2-Feb-15	20.6	11	7	48.2	0.24	0.6	9	1	7.39	<3	<3		
3-Feb-15	20.1	11	7	49.8	0.25	0.6	9	1	7.38	<3	<3		
4-Feb-15	19.9	8	8	52.1	0.24	0.6	9	1	7.40	9	9		
5-Feb-15	19.9	10	8	45.2	0.25	0.6	9	1	7.46	9	9		
6-Feb-15	19.7	9	7	54.8	0.31	0.6	9	1	7.48	9	4		
7-Feb-15	20.6	11	nr	52.9	0.29	0.6	9	1	7.43	4	4		
8-Feb-15	21.1	12	nr	52.5	0.28	0.6	9	1	7.49	7	7		
9-Feb-15	19.9	12	7	44.6	0.28	0.6	9	1	7.40	<3	<3		
10-Feb-15	19.3	7	7	46.7	0.30	0.6	9	1	7.39	7	7		
11-Feb-15	19.5	6	7	45.2	0.28	0.6	9	1	7.46	9	9		
12-Feb-15	19.5	9	7	48.8	0.31	0.6	9	1	7.55	9	9		
13-Feb-15	19.7	8	7	52.8	0.30	0.6	9	0	7.40	93	93		
14-Feb-15	20.2	9	7	56.2	0.32	0.6	9	0	7.41	93	93		
15-Feb-15	19.3	12	6	52.5	0.34	0.6	9	0	7.40	43	43		
17-Feb-15	20.9	8	7	52.5	0.32	0.6	8	1	7.40	15	9		
18-Feb-15	19.9	6	7	48.6	0.30	0.6	8	0	7.42	9	4		
19-Feb-15	19.3	7	7	51.7	0.32	0.6	8	0	7.38	230	16		
16-Feb-15	19.6	6	7	47.8	0.31	0.6	8	0	7.38	15	7		
20-Feb-15	19.2	7	7	49.0	0.32	0.6	8	1	7.40	4	4		
21-Feb-15	19.8	11	7	50.1	0.31	0.6	8	0	7.40	3	3		
22-Feb-15	20.1	8	7	43.4	0.31	0.6	8	0	7.39	4	4		
23-Feb-15	20.8	5	7	45.1	0.31	0.6	8	0	7.38	9	4		
24-Feb-15	19.5	3	7	40.8	0.29	0.6	8	0	7.32	<3	<3		
25-Feb-15	19.5	6	7	37.8	0.29	0.6	8	0	7.35	<3	<3		
26-Feb-15	19.4	7	7	38.0	0.28	0.6	8	1	7.42	3	<3		
27-Feb-15	19.4	10	7	40.4	0.27	0.6	8	1	7.38	<3	<3		
28-Feb-15	20.2	15	7	39.6	0.26	0.6	8	1	7.39	4	<3		
<b>Max:</b>	21.1												
<b>Min:</b>	19.2												
<b>Average:</b>	<b>19.93</b>	<b>9</b>	<b>7</b>	<b>48</b>	<b>0.29</b>			<b>1</b>	<b>7.41</b>				
<b>Total Flow:</b>	<b>558.0</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