

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

Licence # 2669 E RR	File # 53.10	Final Effluent 24 Hour Composite						Final Effluent Grab Sample					
		Date	Raw Sewage 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-Mar-15	20.9	7	7	44.5	0.25	0.6	8	1	7.29	7	7		
2-Mar-15	19.9	3	7	34.6	0.22	0.6	8	0	7.42	23	23		
3-Mar-15	19.5	11	7	34.7	0.24	0.6	8	1	7.39	4	4		
4-Mar-15	19.8	12	8	32.5	0.23	0.6	8	0	7.39	23	23		
5-Mar-15	19.7	6	8	32.9	0.21	0.6	8	0	7.49	4	4		
6-Mar-15	19.8	9	7	38.0	0.26	0.6	7	1	7.39	43	7		
7-Mar-15	20.6	9	8	32.1	0.18	0.6	7	0	7.45	9	4		
8-Mar-15	21.1	8	8	33.3	0.21	0.6	7	0	7.40	9	9		
9-Mar-15	22.5	12	8	32.0	0.15	0.6	7	1	7.50	<3	<3		
10-Mar-15	26.0	15	10	34.8	0.15	0.6	7	1	7.48	23	23		
11-Mar-15	24.5	15	11	28.9	0.11	0.6	7	1	7.54	<3	<3		
12-Mar-15	24.7	15	11	19.3	0.09	0.6	7	1	7.61	4	4		
13-Mar-15	26.1	19	15	32.6	0.05	0.6	7	1	7.63	<3	<3		
14-Mar-15	30.0	20	16	18.9	0.03	0.6	7	1	7.72	4	4		
15-Mar-15	35.3	24	17	18.0	0.04	0.6	7	1	7.78	75	75		
16-Mar-15	31.3	19	14	11.3	0.03	0.6	7	1	8.07	23	23		
17-Mar-15	23.5	18	13	0.1	0.03	0.6	7	2	8.29	23	23		
18-Mar-15	21.8	23	14	5.2	0.04	0.6	7	2	8.39	4	4		
19-Mar-15	21.7	19	13	5.9	0.03	0.6	7	2	8.53	<3	<3		
20-Mar-15	21.5	17	12	5.2	0.03	0.6	7	2	8.59	4	4		
21-Mar-15	22.5	18	12	3.2	0.02	0.5	6	3	8.67	<3	<3		
22-Mar-15	23.2	12	11	2.3	0.02	0.5	6	2	8.77	4	4		
23-Mar-15	22.1	28	10	3.1	0.03	0.5	6	2	8.98	4	4		
24-Mar-15	23.4	16	8	4.7	0.04	0.5	6	3	8.97	<3	<3		
25-Mar-15	38.2	16	9	8.4	0.04	0.5	6	2	8.89	<3	<3		
26-Mar-15	25.8	12	10	5.2	0.03	0.5	6	1	8.84	4	4		
27-Mar-15	22.8	25	9	6.8	0.06	0.5	6	1	8.90	<3	<3		
28-Mar-15	23.9	19	8	5.7	0.03	0.5	6	2	9.01	<3	<3		
29-Mar-15	28.4	14	8	6.5	<0.01	0.5	6	1	9.00	4	4		
30-Mar-15	25.8	14	7	2.6	0.02	0.5	5	2	9.10	<3	<3		
31-Mar-15	24.9	17	8	3.2	0.03	0.5	5	2	8.15	<3	<3		
Max:	38.2												
Min:	19.5												
Average:	24.2	15	10	18	0.09			1	8.12				
Total Flow:	751.2												
Geo.Mean:										5	4		

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