

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
January 2016**

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
1-Jan-16	19.2	8	6	166	0.34	0.4	6.7	0.2	7.83	93	93
2-Jan-16	19.6	9	6	180	0.37	0.4	7.0	0.2	7.56	240	240
3-Jan-16	20.9	8	6	209	0.39	0.4	7.3	0.2	7.58	23	23
4-Jan-16	20.4	5	5	208	0.42	0.4	7.5	0.5	7.56	430	93
5-Jan-16	19.8	12	5	216	0.43	0.4	7.9	0.7	7.54	430	430
6-Jan-16	20.1	5	5	225	0.45	0.5	8.2	0.7	7.48	750	750
7-Jan-16	19.6	9	5	233	0.49	0.5	8.6	0.7	7.55	930	930
8-Jan-16	19.4	8	5	241	0.51	0.5	9.1	0.5	7.50	4,300	4,300
9-Jan-16	20.4	12	6	269	0.57	0.5	9.5	0.1	7.59	2,400	2,400
10-Jan-16	21.2	8	6	280	0.57	0.5	10.0	0.1	7.52	4,300	4,300
11-Jan-16	20.0	6	6	295	0.60	0.5	10.5	0.3	7.52	15,000	15,000
12-Jan-16	19.9	9	nr	294	0.65	0.5	10.9	0.4	7.50	46,000	46,000
13-Jan-16	19.7	6	6	301	0.70	0.6	11.4	0.4	7.48	46,000	46,000
14-Jan-16	19.9	9	7	334	0.75	0.6	11.9	0.4	7.47	46,000	46,000
15-Jan-16	19.2	8	7	328	0.82	0.6	12.5	0.4	7.28	46,000	46,000
16-Jan-16	20.4	6	nr	369	0.90	0.6	13.0	0.5	7.53	46,000	46,000
17-Jan-16	20.7	8	9	387	0.97	0.7	13.6	0.3	7.28	46,000	46,000
18-Jan-16	19.6	6	9	393	1.04	0.7	14.3	0.5	7.38	46,000	46,000
19-Jan-16	19.2	15	9	400	1.14	0.8	14.9	0.5	7.41	46,000	46,000
20-Jan-16	19.6	9	nr	441	1.21	0.8	15.6	0.6	7.41	46,000	46,000
21-Jan-16	19.9	8	>9	467	1.32	0.8	16.3	0.7	7.40	24,000	24,000
22-Jan-16	19.8	7	>11	502	1.37	0.9	17.0	0.7	7.48	110,000	110,000
23-Jan-16	20.1	10	>8	546	1.48	0.9	17.8	0.5	7.38	110,000	110,000
24-Jan-16	20.6	7	9	583	1.57	1.0	18.7	0.5	7.38	110,000	110,000
25-Jan-16	19.6	4	>11	568	1.63	1.1	19.5	0.5	7.34	46,000	15,000
26-Jan-16	19.4	8	15	577	1.73	1.1	20.3	0.7	7.42	24,000	24,000
27-Jan-16	19.7	4	17	604	1.68	1.2	21.3	0.7	7.36	46,000	46,000
28-Jan-16	19.6	8	16	602	1.71	1.2	22.1	0.7	7.45	110,000	110,000
29-Jan-16	19.4	13	15	599	1.80	1.3	23.0	0.7	7.32	46,000	24,000
30-Jan-16	20.1	9	14	622	1.83	1.4	23.9	0.4	7.35	>110,000	>110,000
31-Jan-16	20.8	10	15	681	1.90	1.5	24.9	0.4	7.34	110,000	46,000
Min:	19.2										
Average:	19.9	8	9	391	1.01			0.5	7.46		
Total Flow:	617.8										
Geo.Mean:										12,136	10,607

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