

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

Licence 2669 E RR	Raw Sewage	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-Nov-14	21.7	95	16	18.7	0.10	0.6	4	2	8.92	93	93
2-Nov-14	23.1	90	16	19.9	0.08	0.6	4	2	8.82	430	150
3-Nov-14	21.1	82	15	19.0	0.07	0.6	4	3	8.83	150	150
4-Nov-14	20.8	78	16	24.1	0.05	0.6	4	3	8.73	430	430
5-Nov-14	20.9	60	16	25.7	0.08	0.6	4	3	8.69	210	150
6-Nov-14	21.3	72	16	25.3	0.05	0.6	4	3	8.72	430	430
7-Nov-14	21.6	74	17	40.8	0.10	0.6	4	3	8.80	430	43
8-Nov-14	21.6	54	nr	30.2	0.21	0.6	5	2	8.76	230	230
9-Nov-14	21.7	68	18	33.9	0.04	0.6	5	1	8.88	93	93
10-Nov-14	21.5	43	18	34.6	<0.01	0.7	5	1	8.86	140	140
11-Nov-14	21.5	48	17	46.9	0.05	0.7	5	1	8.85	230	93
12-Nov-14	20.3	38	17	36.1	0.02	0.7	5	1	8.86	23	23
13-Nov-14	20.5	ns	ns	ns	ns	ns	ns	1	8.65	23	23
14-Nov-14	21.2	41	25	57.7	0.05	0.6	5	1	8.89	<3	<3
15-Nov-14	21.3	40	20	44.9	<0.01	0.6	5	1	8.77	4	4
16-Nov-14	22.1	52	20	49.7	0.04	0.6	5	1	8.76	4	4
17-Nov-14	20.9	33	18	51.8	0.03	0.6	5	1	8.86	4	4
18-Nov-14	20.6	32	18	55.8	0.05	0.6	5	2	8.97	23	23
19-Nov-14	20.8	34	21	56.6	0.02	0.6	6	2	8.91	4	4
20-Nov-14	20.8	33	nr	54.3	0.02	0.6	6	2	8.77	9	9
21-Nov-14	20.9	33	18	58.1	0.07	0.6	6	2	8.81	9	4
22-Nov-14	21.1	29	17	54.6	0.03	0.6	6	2	8.73	<3	<3
23-Nov-14	22.1	29	17	65.9	0.05	0.6	6	2	8.59	23	23
24-Nov-14	21.7	ns	ns	ns	ns	ns	ns	2	8.57	<3	<3
25-Nov-14	21.2	27	19	67.6	0.04	0.6	6	2	8.68	4	4
26-Nov-14	21.0	32	24	63.2	0.09	0.6	6	2	8.64	<3	<3
27-Nov-14	21.5	33	21	64.9	0.06	0.6	6	2	8.67	<3	<3
28-Nov-14	20.9	34	24	70.9	0.06	0.6	6	2	8.80	<3	<3
29-Nov-14	20.4	27	20	70.8	0.06	0.6	6	1	8.71	<3	<3
30-Nov-14	23.6	15	22	82.8	0.09	0.6	6	1	8.64	<3	<3
Max:	23.6										
Min:	20.3										
Average:	21.32	47	19	47	0.06			2	8.77		
Total Flow:	639.7									18	15
Geo.Mean:											

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