

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
May 2012

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-May-12	24.3	27	7	<0.5	0.22	0.6	4	11	8.32	38	23
2-May-12	24.8	18	7	<0.5	0.24	0.6	4	11	8.20	38	38
3-May-12	22.9	28	6	<0.5	0.23	0.6	4	11	8.18	9	9
4-May-12	22.6	32	6	1.6	0.23	0.6	4	11	8.38	43	15
5-May-12	22.9	23	6	9.9	0.29	0.6	4	12	8.51	93	23
6-May-12	22.9	20	6	0.5	0.28	0.6	4	13	8.58	93	93
7-May-12	24.7	21	5	0.7	0.31	0.6	4	13	8.48	93	93
8-May-12	25.4	20	6	8.9	0.33	0.6	4	12	8.29	230	93
9-May-12	23.3	20	7	1.4	0.35	0.6	4	13	8.21	430	430
10-May-12	23.0	36	11	0.7	0.37	0.6	4	13	8.55	230	230
11-May-12	28.3	27	7	21.2	0.46	0.6	4	14	8.32	230	230
12-May-12	24.0	27	6	1.4	0.42	0.6	4	15	8.45	93	93
13-May-12	24.3	13	5	2.4	0.45	0.6	4	17	8.48	93	93
14-May-12	24.2	18	5	6.8	0.51	0.7	4	15	8.21	43	43
15-May-12	24.6	10	4	10.6	0.58	0.7	4	14	8.11	7	4
16-May-12	24.7	12	5	12.9	0.62	0.7	4	14	7.93	4	4
17-May-12	24.8	8	nr	13.9	0.71	0.7	3	14	8.01	9	9
18-May-12	25.5	9	4	20.9	0.73	0.7	3	16	8.01	4	4
19-May-12	45.7	9	3	27.4	0.71	0.7	3	15	8.10	23	23
20-May-12	38.5	7	<3	20.8	0.71	0.7	3	14	8.12	23	23
21-May-12	31.1	12	4	14.9	0.75	0.7	3	16	8.30	4	4
22-May-12	30.6	14	5	15.6	0.69	0.7	3	15	8.40	4	4
23-May-12	30.6	8	3	12.8	0.67	0.7	3	15	8.33	230	93
24-May-12	27.8	11	4	9.2	0.66	0.7	3	16	8.46	43	43
25-May-12	26.4	11	4	9.7	0.63	0.7	3	15	8.45	23	23
26-May-12	26.1	9	4	6.3	0.59	0.7	3	14	8.74	75	75
27-May-12	35.4	16	4	19.5	0.60	0.8	3	13	8.81	150	150
28-May-12	52.9	24	<3	4.8	0.63	0.8	2	13	8.68	750	750
29-May-12	68.6	10	4	17.8	0.54	0.8	2	12	8.70	93	93
30-May-12	48.7	6	5	5.8	0.51	0.8	2	12	8.78	43	43
31-May-12	36.8	8	5	3.7	0.46	0.8	2	15	8.97	<3	<3
Max:	68.6										
Min:	22.6										
Average:	30.2	17	5	9.1	0.50			14	8.39		
Total Flow:	936.6										
Geo.Mean:										41	34

Notes:

(1) Effluent ammonia load based upon Raw Sewage flows and Final 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