

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
July, 2005

Date	Raw Sewage	Final Effluent 24 Hour Composite									Final Effluent Grab Sample			
	Daily Flow	TSS	cBOD5	Ammonia		Ortho Phosphorus	Total Phosphorus		Total Nitrogen		Temp	pH	Fecal Coliform	E.Coli
	ML	(mg/L)	(mg/L)	(mg/L-N)	(kg NH3-N/day)	(mg/L-P)	(mg/L-P)	(mg/L-P)*	(mg/L-N)	(mg/L-N)*	(°C)	(units)	MPN/100 mL	
1-Jul-05	68.1	11	4	10	681	2.81	nr	nr	15	13	17	8.29	43	43
2-Jul-05	63.8	9	4	10	638	2.74	nr	nr	14	13	19	8.34	93	93
3-Jul-05	67.2	5	5	9	605	2.54	2.3	3.4	12	13	20	8.44	43	23
4-Jul-05	65.4	9	6	9	589	2.43	2.4	3.4	13	13	19	8.31	43	23
5-Jul-05	61.0	5	8	8	488	2.38	2.3	3.3	14	13	20	8.51	43	23
5-Jul-05	56.1	23	9	7	393	2.30	2.5	3.3	14	14	20	8.85	7	7
7-Jul-05	52.4	29	12	6	314	2.15	2.4	3.3	11	14	21	8.95	93	93
8-Jul-05	62.4	18	12	6	374	1.71	1.8	3.3	8	14	22	9.01	43	43
9-Jul-05	61.6	16	10	4	246	1.46	1.8	3.2	9	13	21	9.11	430	430
10-Jul-05	52.4	18	11	4	210	1.41	1.7	3.1	10	13	21	9.11	43	43
11-Jul-05	75.0	20	11	4	300	1.58	1.9	3.1	10	13	25	8.56	230	230
12-Jul-05	69.5	23	16	3	209	1.59	1.8	3.0	9	13	22	8.61	4	4
13-Jul-05	65.9	16	6	4	264	1.77	2.0	3.0	9	13	21	8.58	15	15
14-Jul-05	59.7	18	15	4	239	2.19	2.3	2.9	9	13	21	8.59	93	43
15-Jul-05	54.9	22	16	4	220	2.68	nr	nr	9	13	22	8.57	15	15
16-Jul-05	49.1	8	8	5	246	2.74	3.2	2.9	10	13	20	8.34	28	28
17-Jul-05	81.0	ns	ns	ns	ns	ns	ns	ns	ns	13	20	8.14	15	15
18-Jul-05	71.7	ns	ns	ns	ns	ns	ns	ns	ns	13	22	8.12	9	9
19-Jul-05	68.0	ns	ns	ns	ns	ns	ns	ns	ns	13	21	7.97	43	43
20-Jul-05	62.1	18	9	6	373	3.07	3.1	2.9	9	13	21	7.89	930	930
21-Jul-05	52.9	20	10	7	370	2.97	2.8	2.9	8	13	21	7.89	9	9
22-Jul-05	49.3	10	7	7	345	3.10	3.5	2.9	9	13	21	7.89	23	23
23-Jul-05	46.8	ns	ns	ns	ns	ns	ns	ns	ns	13	22	8.35	9	9
24-Jul-05	45.0	17	8	7	315	2.92	3.3	2.8	9	12	22	7.96	23	23
25-Jul-05	43.5	21	7	6	261	2.54	2.5	2.8	10	12	22	7.93	230	230
26-Jul-05	40.4	20	10	7	283	2.45	2.9	2.8	11	12	20	7.96	150	150
27-Jul-05	39.0	16	6	7	273	2.48	2.4	2.8	8	12	19	7.94	380	150
28-Jul-05	37.8	14	6	7	265	2.25	2.5	2.7	11	12	19	8.06	930	930
29-Jul-05	36.6	16	6	7	256	2.25	2.5	2.7	11	11	19	8.40	2,300	2,300
30-Jul-05	35.7	14	6	6	214	1.83	2.0	2.6	12	11	20	8.49	210	210
31-Jul-05	67.8	12	6	6	407	1.81	2.2	2.6	10	11	22	8.20	1,500	1,500
Total:	1762													
Max:	81.0													
Min:	35.7													
Average:	56.8	16	9	6	347	2.30	2.4		11		21	8.37		
Geo.Mean:													65	58

Notes:

(1) * = 30 day rolling average

(2) effluent ammonia load based upon Raw Sewage flows and Final Cell NH3-N concentrations

(3) nr - not recorded or no result; na - not analyzed; ns - no sample

(4) Final Effluent flow data unavailable