

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
September, 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-Sep-05	31.2	32	12	1	31	1.45	1.7	1.9	7	8	17	8.89	930	930
2-Sep-05	30.3	29	16	<1	15	1.45	1.6	1.9	7	8	16	8.90	230	230
3-Sep-05	28.7	49	6	<1	14	1.13	1.6	1.9	8	8	16	9.33	930	930
4-Sep-05	28.5	33	7	<1	14	0.98	1.3	1.9	6	8	17	9.12	930	930
5-Sep-05	43.1	19	7	<1	22	0.85	1.0	1.8	6	8	19	9.22	15000	15000
6-Sep-05	33.3	44	14	<1	17	0.80	1.4	1.8	5	8	17	9.06	750	750
7-Sep-05	31.6	32	14	<1	16	0.75	1.3	1.8	3	8	17	9.41	430	430
8-Sep-05	31.0	52	14	<1	16	0.49	1.2	1.8	6	7	17	9.34	23	23
9-Sep-05	30.2	73	12	<1	15	0.67	1.4	1.7	3	7	19	9.64	75	75
10-Sep-05	30.9	77	15	<1	15	0.62	1.5	1.7	5	7	na	9.40	75	75
11-Sep-05	31.4	60	10	<1	16	0.63	1.4	1.7	3	7	19	9.38	230	230
12-Sep-05	30.1	66	9	<1	15	0.53	1.3	1.7	3	7	17	9.34	230	230
13-Sep-05	28.5	57	9	<1	14	0.50	1.3	1.7	3	7	19	9.40	9	9
14-Sep-05	28.1	68	11	<1	14	0.46	1.1	1.6	3	7	16	9.32	230	93
15-Sep-05	28.2	74	13	<1	14	0.45	1.2	1.6	2	6	16	9.50	430	430
16-Sep-05	28.2	84	16	<1	14	0.43	1.0	1.6	5	6	15	9.62	93	93
17-Sep-05	42.0	70	10	<1	21	0.38	1.1	1.6	5	6	16	9.60	430	430
18-Sep-05	32.3	60	10	<1	16	0.35	0.9	1.5	5	6	16	9.71	430	430
19-Sep-05	30.6	51	10	<1	15	0.40	1.1	1.5	5	6	15	9.64	75	75
20-Sep-05	29.1	61	8	<1	15	0.36	1.1	1.5	4	6	15	9.52	210	210
21-Sep-05	28.6	57	8	<1	14	0.39	1.1	1.4	6	6	13	9.68	43	43
22-Sep-05	26.9	51	9	<1	13	0.35	1.0	1.4	2	5	15	9.67	23	23
23-Sep-05	27.2	53	12	<1	14	0.32	1.1	1.4	4	5	15	9.73	23	23
24-Sep-05	30.4	57	9	<1	15	0.30	1.0	1.3	4	5	18	9.76	93	23
25-Sep-05	29.0	50	9	<1	15	0.31	1.0	1.3	2	5	13	9.87	23	23
26-Sep-05	27.8	55	8	<1	14	0.33	1.0	1.3	5	5	15	9.64	9	4
27-Sep-05	27.2	67	10	<1	14	0.34	1.0	1.3	4	5	15	9.67	23	23
28-Sep-05	26.8	64	9	<1	13	0.33	0.9	1.2	3	5	13	9.68	43	43
29-Sep-05	27.1	58	9	<1	14	0.36	1.1	1.2	3	4	13	9.63	43	43
30-Sep-05	27.0	44	10	<1	14	0.43	1.3	1.2	5	4	13	9.57	7	7
Total:	905													
Max:	43.1													
Min:	26.8													
Average:	30.2	55	11	0.5	16	0.57	1.2		4		16	9.47		
Geo.Mean:													120	110

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

(5) Where < values are reported 50% of the MDL is used for calculated results