

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
May, 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-May-05	37.7	34	12	4.0	150	1.53	1.7	2.8	9	17	4.0	9.53	23	23
2-May-05	35.4	26	11	3.0	106	1.53	2.1	2.7	10	17	5.0	9.47	23	23
3-May-05	34.4	33	11	3.0	103	nr	1.8	2.7	9	16	5.0	9.59	9	9
4-May-05	34.1	37	13	4.0	136	1.36	2.2	2.6	10	15	7.0	9.69	4	4
5-May-05	34.0	43	11	4.0	136	1.20	2.2	2.5	10	15	8.0	9.60	4	4
6-May-05	34.0	50	13	3.0	102	0.82	1.8	2.5	10	14	8.0	9.66	4	4
7-May-05	43.0	46	11	3.0	129	0.89	1.9	2.4	10	14	11.0	9.81	9	9
8-May-05	49.4	44	12	3.0	148	0.95	2.0	2.4	10	13	12.0	9.68	23	23
9-May-05	49.2	38	10	3.0	148	1.04	1.9	2.3	12	13	12.0	9.67	23	23
10-May-05	53.7	42	12	3.0	161	1.94	2.1	2.3	9	13	11.0	9.62	43	43
11-May-05	43.4	45	12	2.0	87	1.31	2.1	2.2	9	12	11.0	9.61	75	11
12-May-05	41.5	31	11	2.0	83	1.19	1.6	2.2	9	12	11.0	9.52	15	15
13-May-05	42.7	26	11	2.0	85	1.24	1.6	2.1	9	12	11.0	9.59	93	93
14-May-05	41.5	28	11	2.0	83	1.35	1.8	2.1	9	11	9.0	9.60	4	4
15-May-05	41.0	26	11	2.0	82	1.30	1.8	2.1	9	11	8.0	9.55	<3	<3
16-May-05	37.5	25	11	2.0	75	1.30	2.3	2.1	10	11	10.0	9.63	<3	<3
17-May-05	38.9	21	11	2.0	78	1.32	2.4	2.1	10	11	10.0	9.49	23	23
18-May-05	40.1	28	10	1.0	40	1.68	2.3	2.1	11	11	10.0	9.51	23	23
19-May-05	37.9	25	11	2.0	76	1.36	2.0	2.1	11	11	13.0	9.58	93	15
20-May-05	35.7	24	12	1.0	36	1.42	1.9	2.0	9	10	13.0	9.51	9	9
21-May-05	40.4	22	8	2.0	81	1.26	2.0	2.0	11	10	12.0	9.47	4	4
22-May-05	51.3	ns	ns	ns	ns	ns	ns	ns	ns	ns	16.0	9.34	9	9
23-May-05	59.3	21	9	2.0	118	1.42	2.2	2.0	9	10	14.0	9.43	75	75
24-May-05	52.1	18	9	2.0	104	1.45	2.4	2.0	8	10	16.0	9.56	<3	<3
25-May-05	45.3	13	7	<1.0	23	1.61	1.8	1.9	7	10	nr	nr	<3	<3
26-May-05	39.6	18	9	3.0	119	1.65	2.2	2.0	9	10	16.0	9.33	<3	<3
27-May-05	40.3	17	9	3.0	121	1.83	2.4	1.9	7	10	16.0	9.19	4	4
28-May-05	39.5	20	9	3.0	119	1.92	2.6	1.9	7	10	16.0	9.27	9	9
29-May-05	38.6	30	8	3.0	116	1.99	2.9	2.0	8	10	14.0	9.16	9	9
30-May-05	37.0	25	13	3.0	111	2.09	3.1	2.1	9	9	15.0	8.92	23	23
31-May-05	36.0	30	13	4.0	144	2.27	3.1	2.4	9	9	15.0	9.32	<3	<3
Total:	1285													
Max:	59.3													
Min:	34.0													
Average:	41.4	30	11	3	103	1.46	2.1		9		11.3	9.50		
Geo.Mean:													10	9

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; na - not analyzed; ns - no sample

(4) Final Effluent flow data unavailable