

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
October 2004**

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-Oct-04	37.4	7	5	13	490	2.09	2.1	2.6	14	16	11	7.89	230	230
2-Oct-04	36.0	6	<4	12	430	1.95	2.0	2.6	14	16	na	na	430	430
3-Oct-04	37.0	8	5	13	480	2.00	2.0	2.5	14	16	9	na	75	38
4-Oct-04	35.7	4	<4	13	460	1.94	2.0	2.5	15	16	na	na	430	430
5-Oct-04	35.5	8	<4	13	460	1.96	2.0	2.5	15	16	7	8.03	930	930
6-Oct-04	35.2	4	<4	13	460	1.92	2.0	2.4	15	16	8.5	7.93	150	93
7-Oct-04	34.7	6	<4	12	420	1.89	2.1	2.4	14	16	11	7.95	93	43
8-Oct-04	35.0	7	<4	12	420	1.97	2.1	2.4	15	16	12	8.06	43	43
9-Oct-04	34.2	5	<4	13	440	1.94	2.1	2.4	15	16	10	8.07	230	43
10-Oct-04	33.7	7	<4	12	400	1.82	1.9	2.4	17	16	11	8.01	150	150
11-Oct-04	35.4	5	<4	12	420	1.75	1.8	2.3	15	16	12	8.11	150	150
12-Oct-04	34.4	7	<4	13	450	1.75	2.0	2.3	16	16	11	8.01	43	43
13-Oct-04	32.8	8	<4	13	430	1.81	1.9	2.3	15	16	11	7.98	43	43
14-Oct-04	41.6	7	3	13	540	1.68	1.7	2.2	14	16	9	8.1	15	15
15-Oct-04	39.9	4	3	na	nr	na	1.7	2.2	na	16	7	8.43	150	75
16-Oct-04	38.3	<4	<4	12	460	1.54	1.7	2.2	14	15	5.5	8.16	23	23
17-Oct-04	37.4	4	3	12	450	1.60	1.7	2.1	15	15	3.5	8.27	120	120
18-Oct-04	35.7	ns	ns	ns	nr	ns	ns	2.1	ns	15	11	8.24	43	15
19-Oct-04	50.2	<4	2	13	650	1.58	1.8	2.1	15	15	5	8.11	430	230
20-Oct-04	46.7	5	3	12	560	1.69	1.7	2.0	15	15	5	8.24	43	43
21-Oct-04	43.0	4	<2	12	520	1.66	1.7	2.0	15	15	8	na	93	43
22-Oct-04	43.9	<4	3	12	530	1.73	1.7	2.0	16	15	9	8.20	93	93
23-Oct-04	43.9	<4	3	12	630	1.64	1.7	1.9	16	15	7	8.15	43	43
24-Oct-04	55.3	7	3	13	720	1.64	1.7	1.9	15	15	9	8.13	43	43
25-Oct-04	62.5	4	3	12	750	1.59	1.7	1.9	16	15	8	8.23	430	430
26-Oct-04	51.8	4	3	12	620	1.61	1.7	1.8	16	15	9	8.22	43	43
27-Oct-04	46.2	6	4	13	600	1.60	1.7	1.8	16	15	7	8.13	93	93
28-Oct-04	55.0	5	<2	13	720	1.63	1.7	1.9	16	15	9	8.17	93	93
29-Oct-04	52.0	4	3	13	680	1.64	1.7	1.9	15	15	10	8.05	93	43
30-Oct-04	49.5	4	<2	13	640	1.60	1.8	1.8	16	15	7	8.14	93	93
31-Oct-04	46.6	4	2	13	610	1.68	1.7	1.8	15	15	1	8.16	93	93
Total:	1297													
Max:	62.5													
Min:	32.8													
Average:	41.8	5	2.5	13	530	1.76	1.8		15		8	8.11		
Geo.Mean:													102	80

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