

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
January, 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-Jan-05	30.7	6	7	24	740	2.80	2.9	2.5	28	25	1.5	7.68	9300	4,300
2-Jan-05	31.0	5	5	26	810	3.08	3.3	2.5	29	26	1.5	7.78	23000	23,000
3-Jan-05	31.9	6	7	24	770	2.82	3	2.6	27	26	1	7.68	23000	23000
4-Jan-05	32.1	6	6	25	800	3.09	3.1	2.6	26	26	1	8.09	9300	4300
5-Jan-05	31.4	8	5	25	780	2.98	3.1	2.6	26	26	2	7.82	9300	9300
6-Jan-05	30.8	12	6	27	830	3.30	3.3	2.6	27	26	1	7.97	2300	2300
7-Jan-05	30.4	13	5	25	760	3.20	3.2	2.7	31	26	1	7.99	7500	7,500
8-Jan-05	33.2	<4	4	25	830	3.21	3.2	2.7	26	26	2	7.59	4,300	2,300
9-Jan-05	32.4	6	4	24	780	3.45	3.4	2.7	33	27	2	7.63	2,300	2,300
10-Jan-05	30.6	5	4	24	730	3.42	3.5	2.8	28	27	1	7.62	1,500	930
11-Jan-05	29.5	<4	3	25	740	3.59	3.6	2.8	30	27	1	7.61	930	930
12-Jan-05	29.4	4	4	24	710	3.52	3.5	2.8	32	27	1	7.95	750	750
13-Jan-05	29.4	<4	4	28	820	3.69	3.6	2.9	32	28	1	7.58	430	430
14-Jan-05	29.4	<4	nr	26	760	3.61	3.6	2.9	31	28	1	7.83	750	150
15-Jan-05	31.4	<4	3	26	820	3.63	3.8	3.0	30	28	2	7.48	930	930
16-Jan-05	32.5	4	4	28	910	3.86	3.8	3.0	30	28	0.5	7.53	1,500	1,500
17-Jan-05	30.5	<4	4	35	1,100	4.86	5.1	3.1	39	29	0.5	7.98	1,500	930
18-Jan-05	30.0	ns	ns	ns	nr	ns	ns	3.2	ns	29	1	7.82	2,300	2,300
19-Jan-05	29.5	ns	ns	ns	nr	ns	ns	3.2	ns	29	1	7.93	2,300	2,300
20-Jan-05	29.8	23	5	27	800	4.11	4.2	3.3	34	29	1	7.56	2,300	2,300
21-Jan-05	29.6	<4	3	28	830	4.22	4.1	3.3	29	29	1	7.89	2,300	430
22-Jan-05	30.7	5	4	31	950	4.54	4.4	3.4	30	29	2	7.41	2,300	2,300
23-Jan-05	31.7	4	4	28	890	4.19	nr	3.4	30	29	2	7.34	2,300	2,300
24-Jan-05	29.7	4	3	29	860	4.49	4.5	3.4	28	29	1	7.98	930	430
25-Jan-05	29.1	5	4	28	820	4.39	4.5	3.5	32	29	1	7.64	9,300	9,300
26-Jan-05	29.2	6	5	29	850	4.57	4.4	3.6	31	30	1	7.78	4,300	4,300
27-Jan-05	29.3	<3	5	29	850	4.61	4.6	3.6	31	30	1	7.89	4,300	4,300
28-Jan-05	28.9	<3	3	29	840	nr	nr	3.7	30	30	1	7.91	2,300	930
29-Jan-05	30.8	<3	3	30	920	4.74	4.8	3.7	33	30	2	7.43	2,300	2,300
30-Jan-05	31.6	3	3	31	980	4.75	4.8	3.8	34	30	1	7.51	930	150
31-Jan-05	29.7	<3	3	30	890	4.70	4.8	3.9	33	31	2	7.62	4,300	4,300
Total:	946													
Max:	33.2													
Min:	28.9													
Average:	30.5	5	4	27	830	3.84	3.9		30		1	7.73		
Geo.Mean:													2,700	2,000

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