

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
March, 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-Mar-05	28.2	5	6	27	760	5.00	5.3	5.0	31	31	2	7.62	43000	43,000
2-Mar-05	28.5	6	7	27	770	4.99	5.3	5.0	31	31	2	7.68	23000	23,000
3-Mar-05	28.2	4	6	28	790	5.02	5.2	5.0	31	31	2	7.68	43000	43000
4-Mar-05	28.3	5	7	29	820	5.25	nr	nr	30	31	2	7.69	23000	23000
5-Mar-05	32.8	4	6	28	920	5.21	5.1	5.0	31	31	2	7.49	93000	43000
6-Mar-05	33.4	3	6	28	940	5.08	nr	nr	29	31	2	7.48	93000	93000
7-Mar-05	29.5	5	5	26	770	5.07	5.2	5.0	30	31	2	7.62	230000	230,000
8-Mar-05	28.3	8	6	26	740	4.99	5.2	5.0	30	31	3	7.85	43,000	43,000
9-Mar-05	28.6	4	6	27	770	4.99	nr	nr	28	30	1	7.40	43,000	43,000
10-Mar-05	28.8	5	6	28	810	5.09	5.2	5.0	30	30	1	7.54	93,000	93,000
11-Mar-05	29.1	4	6	27	790	5.07	5.5	5.0	31	30	1	7.55	43,000	43,000
12-Mar-05	30.7	5	6	27	830	5.05	5.9	5.1	32	30	3	7.44	43,000	43,000
13-Mar-05	31.2	8	6	26	810	4.93	5.6	5.1	30	30	1	7.38	43,000	43,000
14-Mar-05	29.6	8	6	26	770	4.94	5.5	5.1	29	30	3	7.65	93,000	43,000
15-Mar-05	28.5	8	8	27	770	5.06	5.3	5.1	32	30	3	7.53	230,000	230,000
16-Mar-05	28.9	6	7	27	760	5.05	5.6	5.2	33	30	3	7.59	150,000	43,000
17-Mar-05	29.2	8	7	26	760	5.13	5.2	5.2	31	30	1	7.61	43,000	43,000
18-Mar-05	29.2	7	6	27	790	5.31	5.7	5.2	32	30	3	7.63	9,300	9,300
19-Mar-05	30.8	5	6	27	830	5.27	5.6	5.2	31	30	1	7.40	9,300	4,300
20-Mar-05	32.5	<3	6	26	840	5.17	5.7	5.2	32	30	1	7.43	9,300	4,300
21-Mar-05	30.6	7	5	26	800	5.30	nr	nr	29	30	1	7.66	9,300	4,300
22-Mar-05	29.4	10	5	25	740	5.15	5.7	5.2	30	31	3	7.69	9,300	9,300
23-Mar-05	32.0	4	5	26	830	5.36	5.7	5.3	31	31	3	7.69	2,300	2,100
24-Mar-05	30.8	5	5	26	800	5.32	5.8	5.3	33	31	3	7.71	4,300	4,300
25-Mar-05	32.2	4	5	26	840	5.25	5.6	5.3	32	31	1	7.60	2,300	2,300
26-Mar-05	34.5	<3	5	26	900	5.28	5.7	5.4	32	31	3	7.37	930	430
27-Mar-05	41.4	4	5	25	1,000	5.06	5.6	5.4	31	31	1	7.50	2,300	2,300
28-Mar-05	41.2	6	10	26	1,100	5.20	5.1	5.4	28	31	3	7.44	930	930
28-Mar-05	53.6	6	8	25	1,300	4.96	5.3	5.4	29	31	3	8.50	2,300	930
30-Mar-05	64.0	8	8	25	1,600	4.98	nr	nr	35	31	3	7.69	230	230
31-Mar-05	77.0	10	11	24	1,800	4.74	4.7	5.4	32	31	2	7.45	230	230
Total:	1061													
Max:	77.0													
Min:	28.2													
Average:	34.2	6	6	26	900	5.11	5.4		31		2	7.60		
Geo.Mean:													14,700	11,700

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