

**City of Winnipeg  
Water and Waste Department  
West End Water Pollution Control Centre Monitoring Data  
March 2008**

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-08	23.5	ns	ns	ns	ns	ns	ns	4.7	ns	45	1	7.22	240,000	240,000
2-Mar-08	24.3	na	na	na	ns	ns	na	4.7	na	45	ns	ns	ns	ns
3-Mar-08	22.9	6	12	37	848	3.01	3.7	4.7	44	45	1	7.24	9,300	9,300
4-Mar-08	22.6	7	13	35	790	3.17	2.9	4.7	38	45	1	7.39	150,000	150,000
5-Mar-08	22.7	6	12	36	815	3.13	3.5	4.6	40	45	1	7.32	460,000	460,000
6-Mar-08	22.3	5	12	37	827	2.96	3.6	4.6	41	46	1	7.64	nr	nr
7-Mar-08	22.4	ns	ns	ns	ns	ns	ns	4.6	ns	46	0	7.39	2,300	2,300
8-Mar-08	23.6	ns	ns	ns	ns	ns	ns	4.5	ns	46	ns	ns	ns	ns
9-Mar-08	24.1	na	na	na	ns	na	na	4.5	na	46	ns	ns	ns	ns
10-Mar-08	23.1	7	11	37	855	2.80	nr	4.4	nr	46	1	7.32	210,000	210,000
11-Mar-08	23.4	6	11	36	841	2.74	3.1	4.4	42	45	1	7.31	93,000	93,000
12-Mar-08	23.3	6	9	37	862	2.67	nr	4.3	nr	45	1	7.76	240,000	240,000
13-Mar-08	28.1	6	9	37	1,039	2.44	2.9	4.2	36	45	1	7.47	93,000	93,000
14-Mar-08	23.7	5	8	35	831	2.31	2.8	4.1	25	44	1	7.35	93,000	93,000
15-Mar-08	23.1	6	9	35	807	2.24	2.6	3.9	41	43	1	7.34	na	93,000
16-Mar-08	25.7	5	7	35	898	2.22	2.7	3.9	29	43	1	7.42	9,200	9,200
17-Mar-08	23.7	5	7	34	806	2.17	2.6	3.8	35	42	2	7.45	93,000	93,000
18-Mar-08	25.3	4	6	34	860	2.09	2.4	3.7	39	42	1	7.39	43,000	43,000
19-Mar-08	22.8	4	5	33	753	2.00	2.6	3.6	39	42	2	7.39	3,600	3,600
20-Mar-08	27.8	5	8	31	862	1.91	2.4	3.5	31	41	2	7.38	2,300	2,300
21-Mar-08	27.4	5	7	30	821	1.77	2.5	3.4	33	40	2	7.40	360	360
22-Mar-08	24.9	5	7	30	747	1.79	2.3	3.3	31	39	1	7.38	3,600	3,600
23-Mar-08	25.3	5	8	30	759	1.76	2.4	3.3	36	39	1	7.34	3,600	3,600
24-Mar-08	24.1	6	6	31	748	1.80	2.1	3.2	34	39	1	7.45	2,300	2,300
25-Mar-08	23.7	<4	6	31	734	1.71	2.2	3.1	34	38	1	7.47	93,000	93,000
26-Mar-08	23.2	11	8	30	697	1.71	2.1	3.0	35	38	2	7.46	360	360
27-Mar-08	23.0	10	9	29	668	1.73	2.1	2.9	35	37	1	7.58	360	360
28-Mar-08	23.5	11	10	29	681	1.66	1.8	2.8	31	36	2	7.83	230	230
29-Mar-08	27.3	10	10	28	765	1.65	1.9	2.7	34	36	1	7.65	230	230
30-Mar-08	47.3	32	8	28	1,325	1.71	2.0	2.6	34	36	2	7.68	36	36
31-Mar-08	30.4	13	9	26	791	1.68	2.0	2.6	34	35	1	7.84	15	15
<b>Max:</b>	47.3													
<b>Min:</b>	22.3													
<b>Average:</b>	<b>25.1</b>	<b>7</b>	<b>9</b>	<b>33</b>	<b>824</b>	<b>2.19</b>	<b>2.6</b>		<b>35</b>		<b>1</b>	<b>7.46</b>		
<b>Geo.Mean:</b>													<b>7,148</b>	<b>7,860</b>

**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

(6) Licence No. 2669 E R