

**City of Winnipeg  
Water and Waste Department  
West End Water Pollution Control Centre Monitoring Data  
April, 2007**

Date	Raw Sewage	Final Effluent 24 Hour Composite									Final Effluent Grab Sample			
	Daily Flow <sup>7</sup>	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-Apr-07	64.1	4	7	21	1347	3.11	3.1	4.4	22	29	2	7.36	>1600	>1600
2-Apr-07	61.9	8	8	19	1,177	2.90	3.0	4.3	20	29	1	7.22	>1600	>1600
3-Apr-07	44.4	9	8	18	798	2.88	3.0	4.2	22	29	1	7.47	>1600	>1600
4-Apr-07	40.3	10	11	19	766	2.75	3.2	4.2	21	28	1	7.45	920	920
5-Apr-07	41.4	10	9	18	745	2.65	3.1	4.1	22	28	1	7.51	na	150
6-Apr-07	46.0	10	9	17	782	2.54	3.1	4.0	21	27	2	7.46	93	93
7-Apr-07	70.0	12	9	16	1,120	2.30	2.6	4.0	18	27	2	7.55	230	43
8-Apr-07	65.0	10	10	14	910	2.17	2.6	3.9	18	27	4	7.84	430	15
9-Apr-07	60.0	10	11	13	780	2.00	2.6	3.8	19	26	10	8.03	na	7
10-Apr-07	85.0	12	10	13	1,105	2.04	2.4	3.8	16	26	4	8.16	140	140
11-Apr-07	80.0	12	10	13	1,040	1.97	2.5	3.7	16	25	4	8.27	4	4
12-Apr-07	109.0	11	11	13	1,417	1.97	2.3	3.6	16	25	4	8.30	8	8
13-Apr-07	107.0	16	12	12	1,284	1.85	2.3	3.5	16	24	5	7.42	4	4
14-Apr-07	104.0	13	13	11	1,144	1.78	2.2	3.5	15	24	4	8.64	4	4
15-Apr-07	100.0	13	12	10	1,000	1.51	2.1	3.4	14	23	5	8.66	<3	<3
16-Apr-07	90.0	12	11	9	810	1.33	1.9	3.3	12	23	5	8.73	<3	<3
17-Apr-07	70.0	14	10	9	630	1.30	1.8	3.2	12	22	5	8.97	<3	<3
18-Apr-07	50.0	11	9	9	450	1.20	1.8	3.2	12	22	5	8.75	2	15
19-Apr-07	45.0	18	7	8	360	1.13	1.7	3.1	11	21	4	8.68	17	17
20-Apr-07	20.0	ns	ns	ns	ns	ns	ns	3.1	ns	21	3	8.41	170	170
21-Apr-07	0.0	ns	ns	ns	ns	ns	ns	3.1	ns	21	ns	ns	ns	ns
22-Apr-07	0.0	ns	ns	ns	ns	ns	ns	3.1	ns	21	ns	ns	ns	ns
23-Apr-07	0.0	ns	ns	ns	ns	ns	ns	3.1	ns	21	ns	ns	ns	ns
24-Apr-07	0.0	ns	ns	ns	ns	ns	ns	3.1	ns	21	ns	ns	ns	ns
25-Apr-07	0.0	ns	ns	ns	ns	ns	ns	3.1	ns	21	ns	ns	ns	ns
26-Apr-07	0.0	ns	ns	ns	ns	ns	ns	3.1	ns	21	ns	ns	ns	ns
27-Apr-07	2.0	58	16	6	12	1.09	2.1	3.0	13	21	14	9.26	2400	2400
28-Apr-07	5.0	48	18	6	30	0.85	2.0	2.9	11	20	13	9.48	170	170
29-Apr-07	6.0	54	11	5	30	0.66	1.9	2.9	11	19	14	9.54	130	130
30-Apr-07	7.0	50	12	3	21	0.45	1.7	2.8	10	19	14	9.60	140	95
<b>Max:</b>	109.0													
<b>Min:</b>	0.0													
<b>Average:</b>	<b>45.8</b>	<b>18</b>	<b>11</b>	<b>12</b>	<b>772</b>	<b>1.84</b>	<b>2.4</b>		<b>16</b>		<b>5</b>	<b>8.28</b>		
<b>Geo.Mean:</b>													<b>56</b>	<b>43</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