

**City of Winnipeg  
Water and Waste Department  
West End Water Pollution Control Centre Monitoring Data  
August 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-Aug-08	26.1	27	5	6.27	164	3.69	4.2	3.9	14	11	22	8.52	30	30
2-Aug-08	24.4	33	4	6.13	150	3.51	4.1	3.9	13	11	23	8.75	170	70
3-Aug-08	32.9	26	4	6.20	204	3.61	4.2	4.0	14	11	21	8.40	30	30
4-Aug-08	25.3	26	5	6.34	160	3.73	4.3	4.0	14	11	20	8.45	<2	<2
5-Aug-08	26.0	19	4	6.06	157	3.63	4.0	4.0	13	11	20	8.49	<2	<2
6-Aug-08	25.8	14	3	5.93	153	3.59	3.7	4.0	13	11	20	8.54	<2	<2
7-Aug-08	25.6	15	3	5.80	148	3.53	4.1	4.0	12	11	20	8.69	<2	<2
8-Aug-08	25.3	7	3	5.57	141	3.32	3.7	4.1	12	11	21	8.77	4	4
9-Aug-08	nr	7	3	5.20	nr	3.13	3.4	4.1	12	11	23	8.76	17	17
10-Aug-08	25.3	8	3	5.15	130	3.20	3.5	4.1	12	11	19	8.74	<2	<2
11-Aug-08	25.3	14	4	5.34	135	3.19	3.5	4.1	14	12	22	8.66	2	<2
12-Aug-08	55.4	13	4	5.18	287	3.14	3.4	4.1	14	12	21	8.53	2	2
13-Aug-08	38.5	9	4	5.41	208	3.24	3.6	4.1	8	12	20	8.45	8	4
14-Aug-08	30.8	7	3	5.63	173	3.34	3.6	4.0	13	12	21	8.55	4	<2
15-Aug-08	29.3	8	4	5.67	166	3.43	3.6	4.0	13	12	22	8.53	<2	<2
16-Aug-08	27.6	8	4	5.77	159	3.46	3.5	4.0	12	12	20	8.69	9	9
17-Aug-08	27.9	6	5	5.62	157	3.54	3.7	4.0	10	12	23	8.46	<2	<2
18-Aug-08	27.8	11	4	5.64	157	3.59	4.0	4.0	11	12	23	8.40	80	14
19-Aug-08	26.8	9	5	5.38	144	3.54	3.9	4.0	12	12	25	8.49	4	4
20-Aug-08	27.2	18	4	5.09	138	3.36	3.9	4.0	12	12	24	8.57	2	2
21-Aug-08	28.1	25	5	4.59	129	3.27	4.0	4.0	13	12	22	8.53	4	4
22-Aug-08	51.6	33	6	4.29	221	3.17	3.6	4.0	12	12	23	8.57	<2	<2
23-Aug-08	38.9	28	5	3.75	146	3.14	3.5	3.9	12	12	21	8.60	13	13
24-Aug-08	31.7	23	nr	3.26	103	2.98	3.4	3.9	11	12	20	8.57	4	4
25-Aug-08	30.3	20	4	2.61	79	2.68	3.3	3.9	9	12	23	8.20	500	300
26-Aug-08	29.5	32	6	2.41	71	2.64	3.3	3.8	11	12	19	8.83	23	23
27-Aug-08	29.5	28	6	2.13	63	2.40	3.0	3.8	14	12	20	8.88	22	22
28-Aug-08	28.7	27	7	1.66	48	2.20	2.7	3.7	13	12	19	8.99	8	2
29-Aug-08	28.3	22	6	1.47	42	1.95	2.6	3.7	12	12	18	9.11	2	2
30-Aug-08	26.2	25	6	1.44	38	1.81	2.3	3.6	11	12	18	9.19	<2	<2
31-Aug-08	25.4	18	6	1.34	34	1.78	2.1	3.5	11	12	20	9.10	<2	<2
<b>Max:</b>	55.4													
<b>Min:</b>	24.4													
<b>Average:</b>	<b>30.0</b>	<b>18</b>	<b>5</b>	<b>5</b>	<b>137</b>	<b>3.12</b>	<b>3.5</b>		<b>12</b>		<b>21</b>	<b>8.65</b>		
<b>Geo.Mean:</b>													<b>5</b>	<b>4</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