

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

**August, 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-Aug-07	36.3	26	7	8	290	2.91	3.2	2.9	13	15	27	8.08	11	4
2-Aug-07	45.8	23	8	8	367	2.90	3.4	2.9	12	15	24	8.00	5	5
3-Aug-07	38.7	20	10	7	271	2.70	3.3	2.9	13	15	23	8.07	7	7
4-Aug-07	36.1	19	8	7	253	2.55	3.3	2.8	12	14	24	8.23	2	2
5-Aug-07	34.7	36	7	nr	nr	3.18	3.1	2.8	nr	14	23	8.15	13	5
6-Aug-07	34.0	22	9	6	204	2.43	2.9	2.8	12	14	22	8.14	46	7
7-Aug-07	33.0	17	9	6	198	2.46	3.1	2.8	12	14	21	8.12	79	7
8-Aug-07	32.7	24	7	6	196	2.37	3.0	2.7	10	14	22	8.34	4	4
9-Aug-07	32.7	20	9	5	163	2.38	2.3	2.7	9	13	21	8.19	23	23
10-Aug-07	43.9	20	9	5	220	1.42	2.6	2.7	9	13	23	8.39	33	17
11-Aug-07	36.2	31	8	4	145	1.18	2.6	2.6	10	13	22	8.40	<2	<2
12-Aug-07	34.9	16	8	4	139	1.88	2.6	2.6	9	13	21	8.43	17	8
13-Aug-07	39.1	25	10	4	156	1.92	1.7	2.6	6	12	21	8.65	9	5
14-Aug-07	34.0	20	9	3	102	1.96	2.2	2.6	8	12	20	8.46	7	<2
15-Aug-07	32.1	36	9	4	128	2.00	2.5	2.6	8	12	20	8.48	<2	<2
16-Aug-07	31.5	37	10	3	95	1.95	2.2	2.6	9	12	19	8.45	13	8
17-Aug-07	30.0	25	9	3	90	1.98	2.5	2.7	10	11	18	8.45	<2	<2
18-Aug-07	29.8	21	11	3	89	2.02	2.2	2.7	9	11	19	8.63	<2	<2
19-Aug-07	29.0	22	8	4	116	2.09	2.3	2.7	9	11	19	8.57	2	2
20-Aug-07	28.4	26	9	4	113	2.15	1.9	2.6	6	11	19	8.42	13	2
21-Aug-07	27.4	20	7	4	109	2.24	2.4	2.7	7	11	18	8.22	<2	<2
22-Aug-07	27.9	31	17	4	112	2.19	2.9	2.7	8	10	18	8.47	2	2
23-Aug-07	28.6	26	13	4	114	2.26	3.2	2.7	8	10	18	8.19	5	<2
24-Aug-07	28.2	21	9	4	113	2.33	3.3	2.7	7	10	18	8.14	2	2
25-Aug-07	31.1	19	10	5	155	2.63	3.4	2.8	8	10	17	8.16	11	2
26-Aug-07	39.4	19	7	5	197	2.96	3.5	2.8	8	10	18	8.15	8	8
27-Aug-07	30.0	19	6	5	150	3.08	3.6	2.8	9	10	18	8.03	2	2
28-Aug-07	28.2	16	8	6	169	3.26	3.8	2.8	9	10	18	8.11	17	11
29-Aug-07	28.2	16	6	6	169	3.33	4.1	2.9	11	10	17	8.04	5	5
30-Aug-07	28.8	16	5	6	173	3.33	3.4	2.9	10	10	18	8.09	17	11
31-Aug-07	28.2	19	5	7	197	3.38	3.2	2.9	13	10	18	7.94	23	8
<b>Max:</b>	45.8													
<b>Min:</b>	27.4													
<b>Average:</b>	<b>32.9</b>	<b>23</b>	<b>9</b>	<b>5</b>	<b>167</b>	<b>2.43</b>	<b>2.9</b>		<b>10</b>		<b>20</b>	<b>8.26</b>		
<b>Geo.Mean:</b>													<b>6</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

(7) Daily Flow = Raw Sewage Flow + Pumped Groundwater Flow