

**City of Winnipeg**  
**Water and Waste Department**  
**West End Water Pollution Control Centre Monitoring Data**  
**August, 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-Aug-05	50.3	15	7	6	302	2.01	2.0	2.4	9	11	23	8.38	430	430
2-Aug-05	44.6	7	9	4	178	1.81	1.9	2.4	10	11	19	8.36	9300	9,300
3-Aug-05	59.0	15	8	4	236	1.70	2.0	2.3	10	10	25	8.41	2300	2300
4-Aug-05	48.7	14	7	5	244	1.70	1.8	2.3	10	10	21	8.46	430	430
5-Aug-05	40.0	18	7	4	160	1.56	1.9	2.3	9	10	21	8.60	930	430
6-Aug-05	36.9	12	7	4	148	1.56	1.9	2.3	9	10	21	8.94	43	43
7-Aug-05	35.8	16	9	3	107	1.38	2.0	2.3	8	10	22	8.96	93	93
8-Aug-05	36.0	29	8	3	108	1.55	2.0	2.3	9	10	22	8.56	93	93
9-Aug-05	34.2	25	9	4	137	1.44	1.9	2.2	7	9	22	8.40	230	230
10-Aug-05	33.6	16	6	3	101	1.53	2.0	2.2	7	9	21	8.44	150	93
11-Aug-05	33.0	12	5	3	99	1.67	2.0	2.2	8	9	nr	nr	75	75
12-Aug-05	33.1	21	6	4	132	1.60	1.8	2.2	8	9	19	8.29	150	150
13-Aug-05	31.6	17	6	3	95	1.59	1.9	2.2	8	9	18	8.45	93	43
14-Aug-05	31.3	23	7	3	94	1.59	2.0	2.2	8	9	18	8.49	43	43
15-Aug-05	32.3	19	6	3	97	1.54	2.0	2.2	8	9	17	8.45	93	93
16-Aug-05	31.5	18	6	3	95	1.54	1.9	2.2	8	9	17	8.37	93	93
17-Aug-05	34.5	13	7	3	104	1.56	1.8	2.2	8	9	17	8.72	9	4
18-Aug-05	32.5	18	7	3	98	1.58	1.8	2.2	8	9	18	8.74	23	9
19-Aug-05	31.6	25	8	4	126	1.64	2.1	2.2	15	9	18	8.43	43	43
20-Aug-05	30.0	21	7	4	120	1.64	1.9	2.2	9	9	17	8.65	93	43
21-Aug-05	30.3	18	5	4	121	1.55	2.1	2.1	9	9	16	8.40	430	430
22-Aug-05	31.6	40	7	3	95	1.45	1.8	2.1	7	9	16	8.54	43	43
23-Aug-05	31.1	95	9	2	62	1.37	2.0	2.0	8	9	17	8.54	43	43
24-Aug-05	37.9	54	6	3	114	1.37	1.9	2.0	8	9	17	8.51	230	93
25-Aug-05	35.9	28	6	3	108	1.47	1.8	2.0	8	9	17	8.53	430	430
26-Aug-05	32.2	25	8	3	97	1.50	1.6	2.0	8	9	17	8.69	150	150
27-Aug-05	31.5	30	8	2	63	1.54	1.5	1.9	7	9	18	8.76	380	380
28-Aug-05	31.2	26	10	2	62	1.70	1.9	1.9	8	9	18	8.85	930	930
29-Aug-05	31.3	20	7	2	63	1.66	1.9	1.9	8	8	17	8.66	150	150
30-Aug-05	30.6	40	8	1	31	1.51	1.9	1.9	7	8	18	9.01	230	230
31-Aug-05	31.8	50	11	1	32	1.42	2.0	1.9	7	8	17	8.91	23	23
<b>Total:</b>	1096													
<b>Max:</b>	59.0													
<b>Min:</b>	30.0													
<b>Average:</b>	<b>35.4</b>	<b>25</b>	<b>7</b>	<b>3</b>	<b>117</b>	<b>1.57</b>	<b>1.9</b>		<b>8</b>		<b>19</b>	<b>8.58</b>		
<b>Geo.Mean:</b>													<b>153</b>	<b>128</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