

**City of Winnipeg**  
**Water and Waste Department**  
**West End Water Pollution Control Centre Monitoring Data**  
**May, 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-May-07	8.0	50	14	3	24	0.40	1.6	2.7	10	18	12	9.64	350	350
2-May-07	9.0	52	13	3	27	0.36	1.6	2.6	9	17	12	9.75	33	33
3-May-07	10.0	80	13	2	20	0.28	1.6	2.5	8	17	13	9.81	17	17
4-May-07	11.0	76	14	3	33	0.53	1.5	2.4	7	16	13	9.84	33	33
5-May-07	19.0	42	11	3	57	0.50	1.4	2.3	7	15	12	9.84	350	350
6-May-07	25.0	24	11	2	50	0.47	1.5	2.3	7	15	11	9.70	240	240
7-May-07	30.0	20	11	2	60	0.61	1.5	2.2	7	14	12	9.45	130	130
8-May-07	33.3	20	10	2	67	0.81	1.5	2.1	8	14	15	9.42	49	49
9-May-07	33.0	17	8	2	66	0.77	1.5	2.1	13	13	16	9.39	8	8
10-May-07	33.5	25	10	1	34	0.69	1.8	2.0	12	13	17	9.36	33	33
11-May-07	32.2	19	9	1	32	0.61	2.0	2.0	6	13	15	9.49	<3	<3
12-May-07	32.8	21	9	1	33	0.54	2.2	2.0	6	12	14	9.59	17	11
13-May-07	33.3	24	9	2	67	0.47	2.2	1.9	7	12	16	9.65	33	17
14-May-07	35.1	23	9	1	35	0.65	2.4	1.9	8	11	16	9.59	5	5
15-May-07	33.3	24	9	2	67	0.77	2.5	1.9	8	11	13	9.42	79	79
16-May-07	32.5	23	8	2	65	0.83	2.5	1.9	9	11	12	9.40	13	13
17-May-07	32.3	40	12	2	65	0.72	2.5	1.9	8	10	13	9.44	5	5
18-May-07	32.1	33	10	3	96	0.74	2.4	1.9	8	10	15	9.49	5	5
19-May-07	30.3	26	8	3	91	0.90	2.3	1.9	9	10	12	9.41	11	11
20-May-07	30.3	19	8	3	91	0.99	2.2	1.9	8	9	11	9.47	8	5
21-May-07	34.0	27	11	3	102	0.96	2.3	1.9	9	9	11	9.51	<3	<3
22-May-07	52.2	27	9	4	209	1.24	2.7	2.0	10	9	15	9.27	<3	<3
23-May-07	56.2	78	>18	4	225	1.48	2.9	2.0	11	9	14	9.16	<3	<3
24-May-07	40.3	61	nr	5	201	1.74	3.2	2.0	12	9	14	9.03	33	17
25-May-07	32.6	51	15	7	228	2.12	2.8	2.1	12	9	12	8.96	<3	<3
26-May-07	38.8	45	16	7	271	2.20	3.2	2.1	12	9	12	8.88	4	4
27-May-07	36.8	40	14	7	257	2.46	3.1	2.2	13	9	10	8.77	5	5
28-May-07	33.5	55	16	8	268	2.64	3.5	2.2	14	9	na	8.49	23	23
29-May-07	33.6	48	14	9	302	2.99	5.0	2.3	21	10	13	8.26	4	4
30-May-07	33.2	46	16	10	332	3.11	3.6	2.4	16	10	13	8.04	4	4
31-May-07	32.6	26	10	10	326	3.19	3.9	2.4	19	10	13	8.13	<3	<3
<b>Max:</b>	56.2													
<b>Min:</b>	8.0													
<b>Average:</b>	<b>31.0</b>	<b>37</b>	<b>12</b>	<b>4</b>	<b>123</b>	<b>1.19</b>	<b>2.4</b>		<b>10</b>		<b>13</b>	<b>9.28</b>		
<b>Geo.Mean:</b>													<b>13</b>	<b>12</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