

**City of Winnipeg  
Water and Waste Department  
West End Water Pollution Control Centre Monitoring Data  
May, 2006**

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-May-06	33.6	9	8	2	67	1.00	1.5	2.3	10	18	13	9.56	4	4
2-May-06	35.6	21	8	2	71	1.12	1.4	2.2	8	18	12	9.65	9	9
3-May-06	39.8	20	7	2	80	1.27	1.4	2.2	8	17	12	9.40	4	7
4-May-06	33.4	20	7	3	100	1.49	1.6	2.1	9	17	12	9.34	15	15
5-May-06	32.5	20	7	2	65	1.42	1.9	2.1	9	16	12	9.23	23	43
6-May-06	32.3	19	7	2	65	1.49	1.8	2.0	9	15	12	9.29	7	7
7-May-06	33.8	19	7	2	68	1.62	1.8	2.0	9	15	12	9.33	9	9
8-May-06	32.3	15	8	2	65	1.60	1.8	1.9	8	14	13	9.14	43	43
9-May-06	35.3	11	9	2	71	1.65	1.9	1.9	9	14	13	9.15	9	9
10-May-06	34.6	19	8	2	69	1.72	1.7	1.8	10	14	13	9.13	7	14
11-May-06	32.4	17	8	2	65	1.84	1.9	1.8	9	13	13	9.01	23	23
12-May-06	31.8	19	7	2	64	1.78	1.7	1.8	9	13	11	9.04	15	15
13-May-06	32.7	21	8	2	65	1.82	nr	1.9	nr	13	11	9.15	21	230
14-May-06	32.2	24	6	2	64	1.86	nr	1.9	nr	13	11	9.16	43	43
15-May-06	31.5	27	9	2	63	1.91	nr	2.0	nr	13	12	9.33	9	9
16-May-06	30.5	23	9	2	61	1.94	2.5	2.0	12	13	12	8.98	<3	<3
17-May-06	30.2	33	12	2	60	2.03	2.5	1.8	11	12	12	8.84	<3	<3
18-May-06	29.9	35	10	3	90	2.12	2.5	1.9	11	12	12	8.94	4	9
19-May-06	29.2	39	11	3	88	2.16	2.1	1.9	14	12	12	8.89	<3	9
20-May-06	27.5	41	10	3	83	2.18	2.4	1.9	13	12	14	8.84	9	9
21-May-06	29.3	31	10	3	88	2.23	2.7	1.9	12	12	13	8.95	4	4
22-May-06	29.3	38	12	3	88	2.33	2.9	2.0	12	12	nr	8.95	7	7
23-May-06	30.5	58	14	3	92	2.35	2.7	2.0	12	11	13	8.54	<3	<3
24-May-06	29.0	25	12	4	116	2.51	2.9	2.1	12	11	14	8.51	4	4
25-May-06	28.7	24	15	4	115	2.73	2.7	2.1	13	11	14	8.32	<3	<3
26-May-06	33.5	80	nr	4	134	2.84	2.8	2.1	13	11	14	8.10	4	4
27-May-06	32.7	18	14	5	164	2.87	3.2	2.1	14	11	19	8.01	4	4
28-May-06	32.7	30	nr	6	196	3.03	2.8	2.2	13	11	17	7.91	<3	4
29-May-06	31.0	39	nr	6	186	3.00	2.9	2.2	12	11	20	7.89	7	7
30-May-06	30.1	40	14	6	181	2.82	3.0	2.3	14	11	17	7.93	<3	<3
31-May-06	29.7	37	13	6	178	3.00	3.0	2.3	15	11	18.0	7.91	4	4
<b>Total:</b>	988													
<b>Max:</b>	39.8													
<b>Min:</b>	27.5													
<b>Average:</b>	<b>31.9</b>	<b>28</b>	<b>10</b>	<b>3</b>	<b>95</b>	<b>2.06</b>	<b>2.3</b>		<b>11</b>		<b>13.4</b>	<b>8.85</b>	<b>6</b>	<b>8</b>
<b>Geo.Mean:</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