

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

**February, 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-Feb-07	24.8	<4	5	33	819	5.48	6.1	6.0	37	34	0	7.37	24,000	24,000
2-Feb-07	25.7	<4	5	30	771	5.02	5.9	6.0	35	34	0	7.35	160,000	160,000
3-Feb-07	26.6	<4	6	32	850	5.31	5.4	6.0	38	35	0	7.47	24,000	24,000
4-Feb-07	27.0	<4	5	33	891	5.35	5.5	5.9	39	35	0	7.38	35,000	35,000
5-Feb-07	25.6	<4	7	37	947	5.93	6.2	5.9	42	35	1	7.42	350	170
6-Feb-07	25.7	<4	6	33	849	5.35	5.7	5.9	38	35	0	7.45	92,000	92,000
7-Feb-07	25.8	5	7	32	825	5.28	5.8	5.9	39	35	0	7.36	54,000	54,000
8-Feb-07	26.1	4	6	33	861	5.29	5.7	5.9	33	35	0	7.48	54,000	54,000
9-Feb-07	25.9	<4	6	34	880	5.33	5.7	5.9	34	35	0	7.36	54,000	54,000
10-Feb-07	26.8	<4	6	33	884	5.42	5.8	5.9	35	35	0	7.26	35,000	35,000
11-Feb-07	27.5	4	7	33	908	5.34	5.5	5.9	34	35	0	7.34	54,000	54,000
12-Feb-07	25.9	<4	7	35	907	5.50	5.8	5.8	35	36	0	7.40	9,200	9,200
13-Feb-07	25.2	5	7	34	857	5.56	5.3	5.8	35	35	0	7.40	70,000	70,000
14-Feb-07	25.1	6	10	32	802	5.61	5.7	5.8	36	35	0	7.37	35,000	35,000
15-Feb-07	25.3	5	10	33	835	5.69	6.0	5.8	38	36	1	7.42	54,000	54,000
16-Feb-07	25.4	6	10	34	862	5.74	6.2	5.7	38	36	2	7.38	92,000	92,000
17-Feb-07	29.5	4	9	34	1,002	5.73	6.2	5.7	37	36	0	7.16	92,000	92,000
18-Feb-07	29.9	5	9	34	1,017	5.55	6.0	5.8	37	36	0	7.24	160,000	160,000
19-Feb-07	27.4	5	10	35	960	5.63	6.3	5.8	38	36	1	7.31	160,000	160,000
20-Feb-07	28.3	5	9	33	934	5.48	6.1	5.8	37	36	0	7.37	92,000	92,000
21-Feb-07	27.9	6	9	34	950	5.48	3.8	5.7	25	36	1	7.30	350,000	350,000
22-Feb-07	30.3	6	10	35	1,062	5.45	5.8	5.7	35	36	0	7.24	240,000	240,000
23-Feb-07	29.9	6	10	35	1,045	5.32	5.7	5.7	34	36	1	7.26	240,000	240,000
24-Feb-07	31.1	6	10	35	1,087	5.34	5.8	5.7	35	36	1	7.26	540,000	540,000
25-Feb-07	31.5	8	11	35	1,104	5.28	5.9	5.7	35	36	1	7.42	350,000	350,000
26-Feb-07	30.5	7	10	34	1,037	5.16	5.3	5.7	32	36	2	7.33	54,000	54,000
27-Feb-07	29.5	9	11	34	1,002	nr	5.4	5.7	33	36	2	7.29	240,000	240,000
28-Feb-07	29.4	9	13	32	941	5.09	5.6	5.7	34	36	2	7.22	160,000	160,000
<b>Max:</b>	31.5													
<b>Min:</b>	24.8													
<b>Average:</b>	<b>27.5</b>	<b>5</b>	<b>8</b>	<b>34</b>	<b>925</b>	<b>5.43</b>	<b>5.7</b>		<b>36</b>		<b>1</b>	<b>7.34</b>		
<b>Geo.Mean:</b>													<b>57,900</b>	<b>55,000</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