

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

**June, 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-Jun-07	32.8	24	13	4	131	1.20	1.2	2.4	5	10	15	7.83	2	2
2-Jun-07	33.0	28	11	1	33	0.47	0.6	2.4	7	10	18	9.82	2	<2
3-Jun-07	34.7	23	13	1	35	0.40	0.7	2.4	6	10	19	9.86	2	<2
4-Jun-07	33.7	22	10	1	34	0.53	1.1	2.4	5	10	20	9.68	<2	<2
5-Jun-07	32.4	31	12	2	65	0.78	2.6	2.4	8	10	18	9.47	8	8
6-Jun-07	36.1	26	14	3	108	1.17	1.8	2.4	10	10	18	9.25	2	2
7-Jun-07	46.7	33	> 16	4	187	1.75	2.3	2.4	9	10	17	8.72	5	5
8-Jun-07	41.1	36	15	5	206	2.17	2.7	2.5	10	10	14	8.23	<2	<2
9-Jun-07	35.3	41	15	6	212	2.54	3.8	2.5	11	10	16	7.99	13	13
10-Jun-07	36.1	47	9	7	253	2.80	4.2	2.6	14	10	18	7.76	<2	<2
11-Jun-07	35.6	15	12	8	285	2.97	3.6	2.7	12	10	19	8.03	2	2
12-Jun-07	34.7	24	13	9	312	3.26	3.9	2.7	13	11	22	7.70	2	2
13-Jun-07	41.5	18	10	9	374	3.32	4.0	2.8	14	11	23	7.66	4	4
14-Jun-07	36.4	20	9	10	364	3.47	4.6	2.8	17	11	23	7.68	<2	<2
15-Jun-07	35.0	21	12	11	386	3.56	4.8	2.9	14	11	nr	7.74	2	2
16-Jun-07	33.8	24	10	12	405	3.64	4.1	3.0	15	12	23	7.72	<2	<2
17-Jun-07	34.2	18	10	12	411	3.73	4.1	3.0	16	12	24	7.86	4	2
18-Jun-07	52.9	23	12	13	688	3.95	4.1	3.1	16	12	22	7.70	79	22
19-Jun-07	57.5	29	9	13	747	3.99	3.8	3.1	17	12	19	7.88	<2	<2
20-Jun-07	59.2	33	13	14	829	4.11	4.0	3.2	17	13	19	7.66	<2	<2
21-Jun-07	40.8	20	11	15	612	4.06	4.0	3.2	17	13	20	7.79	<2	<2
22-Jun-07	38.7	22	10	15	580	4.02	4.0	3.3	18	13	22	7.81	2	2
23-Jun-07	37.7	21	9	14	528	3.99	3.9	3.3	17	13	22	7.81	2	2
24-Jun-07	52.3	22	11	15	784	4.09	4.0	3.3	18	13	23	7.98	<2	<2
25-Jun-07	54.4	24	11	15	816	4.09	4.2	3.4	18	14	23	nr	8	8
26-Jun-07	55.4	27	7	15	830	4.02	4.0	3.4	18	14	22	7.75	<2	<2
27-Jun-07	46.0	20	6	16	735	4.05	4.8	3.4	22	14	21	7.76	33	33
28-Jun-07	39.3	20	9	16	628	4.13	4.7	3.4	21	14	20	7.78	<2	2
29-Jun-07	36.6	21	6	16	586	4.15	4.7	3.5	20	14	20	7.82	<2	<2
30-Jun-07	33.7	15	6	16	540	4.09	4.6	3.5	20	14	21	7.95	5	5
<b>Max:</b>	59.2													
<b>Min:</b>	32.4													
<b>Average:</b>	<b>40.6</b>	<b>25</b>	<b>11</b>	<b>10</b>	<b>423</b>	<b>3.02</b>	<b>3.5</b>		<b>14</b>		<b>20</b>	<b>8.16</b>		
<b>Geo.Mean:</b>													<b>3</b>	<b>2</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