

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
June 2008**

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-Jun-08	27.0	15	5	0.39	11	0.85	1.7	1.4	4	10	17	9.90	<3	<3
2-Jun-08	26.1	21	6	0.25	7	0.69	1.7	1.4	4	9	16	9.80	7	7
3-Jun-08	24.5	36	5	0.30	7	0.56	2.1	1.4	4	9	16	10.00	<3	<3
4-Jun-08	24.8	30	5	0.27	7	0.70	2.0	1.5	6	9	16	10.00	4	4
5-Jun-08	24.2	35	6	0.37	9	0.76	2.0	1.5	5	8	16	9.92	7	7
6-Jun-08	44.7	55	8	0.57	25	0.90	2.1	1.5	5	8	18	9.72	<3	<3
7-Jun-08	47.8	63	6	0.90	43	1.07	2.1	1.5	5	8	14	9.54	36	36
8-Jun-08	34.7	35	5	1.09	38	1.27	2.2	1.6	6	8	15	9.29	4	4
9-Jun-08	51.0	46	6	1.42	72	1.46	2.1	1.6	5	7	18	8.88	<3	<3
10-Jun-08	54.6	29	8	1.83	100	1.71	1.6	1.6	8	7	16	8.64	92	92
11-Jun-08	38.9	49	8	2.24	87	1.92	2.7	1.7	4	7	17	8.12	<1.8	<1.8
12-Jun-08	52.1	29	5	2.60	136	2.05	2.8	1.7	5	7	14	8.05	23	23
13-Jun-08	47.1	27	7	3.16	149	2.25	2.8	1.8	7	7	16	7.89	36	36
14-Jun-08	39.6	36	nr	3.76	149	2.39	2.8	1.8	9	6	17	7.66	23,000	23,000
15-Jun-08	35.5	24	5	4.35	154	2.56	3.0	1.9	7	6	15	7.64	<3	<3
16-Jun-08	32.3	21	7	5.04	163	2.68	2.9	1.9	8	6	16	7.82	<3	<3
17-Jun-08	31.4	18	8	5.55	174	2.73	3.3	2.0	10	6	18	7.69	<3	<3
18-Jun-08	32.3	17	7	5.96	192	2.75	3.2	2.0	10	6	20	7.67	<3	<3
19-Jun-08	31.6	15	5	6.80	215	3.04	3.3	2.1	11	7	20	7.72	<3	<3
20-Jun-08	30.7	15	4	6.96	214	3.08	3.4	2.2	11	7	21	8.03	<3	<3
21-Jun-08	29.8	15	4	7.37	219	3.21	3.4	2.2	12	7	20	7.74	<3	<3
22-Jun-08	30.1	14	4	7.85	236	3.37	3.5	2.3	12	7	21	7.81	4	4
23-Jun-08	31.3	17	5	8.25	258	3.49	4.0	2.4	12	7	22	7.81	4	4
25-Jun-08	29.6	10	5	9.03	267	3.52	3.4	2.4	10	7	23	7.92	9	9
26-Jun-08	30.4	11	6	7.95	241	3.40	3.8	2.5	13	7	23	8.01	23	23
24-Jun-08	28.9	12	5	9.54	276	3.61	4.1	2.6	10	7	22	7.85	4	4
27-Jun-08	30.1	13	7	9.43	284	3.74	4.0	2.7	14	8	24	7.97	<3	<3
28-Jun-08	40.1	26	6	9.32	374	3.79	3.9	2.8	14	8	22	7.96	9	9
29-Jun-08	30.7	17	5	9.44	290	3.91	4.0	2.8	15	8	21	7.70	4	4
30-Jun-08	29.1	11	6	9.26	269	3.78	4.0	2.9	14	9	22	8.10	<3	<3
Max:	54.6													
Min:	24.2													
Average:	34.7	25	6	5	156	2.37	2.9		9		18	8.43	5	5
Geo.Mean:														

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