

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data
October 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-Oct-08	25.2	40	6	0.60	15	1.34	1.9	2.6	5	7	12	9.29	26	7
2-Oct-08	25.6	47	6	0.44	11	1.24	1.6	2.5	5	7	12	9.38	17	17
3-Oct-08	25.8	47	7	0.34	9	1.14	2.0	2.5	6	7	12	9.40	22	14
4-Oct-08	24.7	49	6	0.26	6	1.04	1.9	2.5	6	7	12	9.41	30	30
5-Oct-08	26.2	61	nr	0.19	5	0.92	1.8	2.5	7	7	11	9.55	2	2
6-Oct-08	35.1	63	7	0.15	5	0.84	1.7	2.5	6	7	12	7.41	17	17
7-Oct-08	27.5	44	6	0.11	3	0.86	1.6	2.5	6	7	11	9.50	23	23
8-Oct-08	25.9	56	7	0.09	2	0.85	1.6	2.4	3	7	11	9.55	4	2
9-Oct-08	25.1	56	7	0.13	3	0.77	1.5	2.4	3	7	11	9.57	50	17
10-Oct-08	24.6	39	nr	0.26	6	0.81	1.4	2.3	4	6	10	9.52	80	80
11-Oct-08	24.7	48	9	0.14	3	0.80	1.4	2.3	5	6	10	9.50	17	17
12-Oct-08	38.0	44	5	0.14	5	0.80	1.4	2.2	4	6	9	9.56	2	2
13-Oct-08	46.8	35	6	0.16	7	0.79	1.3	2.2	6	6	8	9.50	22	22
14-Oct-08	32.9	35	6	0.21	7	0.96	1.3	2.1	5	6	17	9.52	17	11
15-Oct-08	29.6	36	5	0.12	4	0.83	1.2	2.1	4	6	9	9.55	50	50
16-Oct-08	28.1	22	4	0.13	4	0.84	nr	2.0	nr	6	7	9.43	8	4
17-Oct-08	27.4	27	4	0.17	5	0.86	1.4	2.0	3	6	7	9.42	4	2
18-Oct-08	27.8	34	5	0.19	5	0.89	1.3	1.9	3	6	8	9.44	7	7
19-Oct-08	27.9	28	5	0.14	4	0.89	1.4	1.9	3	5	9	9.45	2	2
20-Oct-08	26.3	23	4	0.06	2	0.89	1.3	1.8	3	5	8	9.52	4	4
21-Oct-08	25.7	30	4	0.07	2	0.85	1.2	1.8	5	5	7	9.50	<2	<2
22-Oct-08	27.7	29	4	0.06	2	0.88	1.5	1.7	5	5	7	9.35	4	4
23-Oct-08	26.2	27	4	0.04	1	0.91	1.2	1.7	3	5	7	9.48	2	2
24-Oct-08	25.9	20	3	<0.03	0	0.88	1.3	1.6	2	5	8	9.44	4	4
25-Oct-08	27.8	28	5	0.03	1	0.89	1.3	1.6	7	5	18	9.38	2	<2
26-Oct-08	30.8	38	5	0.05	2	0.87	1.4	1.6	4	5	8	9.36	17	11
27-Oct-08	28.1	31	5	<0.03	0	0.88	1.1	1.5	4	5	5	9.45	7	2
28-Oct-08	25.5	17	6	0.09	2	0.84	1.1	1.5	2	4	3	9.38	23	13
29-Oct-08	26.4	24	5	<0.03	0	0.82	0.4	1.4	2	4	4	9.45	30	2
30-Oct-08	25.6	19	5	<0.03	0	0.83	1.0	1.4	2	4	5	9.38	<2	<2
31-Oct-08	24.5	23	5	<0.03	0	0.78	1.2	1.4	3	4	6	9.42	2	2
Max:	46.8													
Min:	24.5													
Average:	28.0	36	5	0.14	4	0.90	1.4		4		9	9.39	8	6
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