

**City of Winnipeg**  
**Water and Waste Department**  
**West End Water Pollution Control Centre Activated Sludge Plant Report**

**May 2007**

Date	Raw Sewage	Activate Sludge Plant Effluent 24 Hour Composite Sample					ASP Effluent Grab Sample		Groundwater Pumped	Raw & Groundwater	Estimated Out Flow**
	Daily Flow	TSS	cBOD5	Ammonia	Total Phosphorus	Total Nitrogen	Raw Flow @ Grab Time	E.Coli	Daily Flow	Total Influent Flow	Total Daily Effluent
	ML	(mg/L)	(mg/L)	(mg/L-N)	(mg/L-P)	(mg/L-N)	ML	MPN/100 mL	ML*	ML	ML
1-May-07	25.7	60	29	26	4.6	33	35.4	350,000	4.70	30.4	8.0
2-May-07	25.7	140	28				34.5	920,000	4.70	30.4	9.0
3-May-07	25.3	108	29	26	5.2	35	35.2	92,000	4.62	29.9	10.0
4-May-07	32.2								4.62	36.9	11.0
5-May-07	40.7								4.66	45.4	19.0
6-May-07	40.3	29	14	16	2.9	21			4.66	44.9	25.0
7-May-07	31.3	60	30						4.55	35.8	30.0
8-May-07	28.8	41	35	23	4.1	32	36.8	540,000	4.55	33.3	33.3
9-May-07	28.5	26	33				37.4	920,000	4.55	33.0	33.0
10-May-07	28.7	13	13	25	3.6	45	37.4	540,000	4.82	33.5	33.5
11-May-07	27.7								4.47	32.2	32.2
12-May-07	28.2								4.56	32.8	32.8
13-May-07	28.5	9	7	22	3.2	24			4.84	33.3	33.3
14-May-07	30.4	6	8						4.72	35.1	35.1
15-May-07	28.6	4	5	22	3.6	26	40.1	240,000	4.72	33.3	33.3
16-May-07	28.0	8	5				42.9	92,000	4.55	32.5	32.5
17-May-07	27.7	6	5	24	3.8	28	38.1	92,000	4.55	32.3	32.3
18-May-07	27.6								4.55	32.1	32.1
19-May-07	25.6								4.71	30.3	30.3
20-May-07	25.5								4.80	30.3	30.3
21-May-07	29.3	12	9						4.71	34.0	34.0
22-May-07	46.0	20	15	15	2.5	19	47.0	540,000	6.15	52.2	52.2
23-May-07	51.3	12	9				46.6	35,000	4.85	56.2	56.2
24-May-07	37.7	7	5	16	2.7	20	47.6	92,000	2.59	40.3	40.3
25-May-07	30.0								2.59	32.6	32.6
26-May-07	36.2					0			2.59	38.8	38.8
27-May-07	34.2	10	7	18	2.5	19			2.59	36.8	36.8
28-May-07	30.9	31	31						2.59	33.5	33.5
29-May-07	30.6	46	34	23	4.5	31	53.8	2,400,000	2.94	33.6	33.6
30-May-07	30.3	16	14				39.1	350,000	2.94	33.2	33.2
31-May-07	29.6	10	5	22	3.8	26	39.8	92,000	3.02	32.6	32.6
<b>Max:</b>	51.3						53.8				
<b>Min:</b>	25.3						34.5				
<b>Average:</b>	<b>31.3</b>	<b>31</b>	<b>17</b>	<b>21</b>	<b>3.6</b>	<b>25</b>	<b>40.8</b>		<b>4.21</b>	<b>35.5</b>	<b>31.0</b>
<b>Geo.Mean:</b>								<b>264,500</b>			

**Notes:**

(1)\* Daily flows are calculated from calibrated meter readings

(2)\*\* Daily out flows calculated from daily cell levels and storage capacities, from May 1'st to May 7'th inclusive