

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Activated Sludge Plant Report
April, 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-Apr-07	58.8	19	13	8	1.9	14	30.0		5.38	64.1	64.1
2-Apr-07	56.5	8	11						5.47	61.9	61.9
3-Apr-07	38.6	5	<4	15	2.7	19		>1,600	5.75	44.4	44.4
4-Apr-07	34.9	5	<4					>1,600	5.40	40.3	40.3
5-Apr-07	33.0							4,300	8.41	41.4	41.4
6-Apr-07	33.2						28.8		12.88	46.0	46.0
7-Apr-07	31.4						29.5		12.45	43.9	70.0
8-Apr-07	32.0						31.4		11.98	44.0	65.0
13-Apr-07	30.4						35.6		13.73	44.2	107.0
14-Apr-07	30.5						33.6		13.38	43.9	104.0
15-Apr-07	32.2	13	12	23	3.7	25	29.7		13.56	45.8	100.0
16-Apr-07	33.2	10	8						13.72	46.9	90.0
17-Apr-07	30.9	9	6	20	3.3	22		5,400	13.23	44.1	70.0
18-Apr-07	30.5	7	7					na	13.22	43.7	50.0
19-Apr-07	31.3	12	8	21	3.5	23		92,000	13.34	44.6	45.0
20-Apr-07	29.9						31.2		11.95	41.8	20.0
21-Apr-07	29.8						33.9		9.00	38.8	0.0
22-Apr-07	29.3	13	11	24	3.8	27	34.0		9.00	38.3	0.0
23-Apr-07	27.3	11	7						10.05	37.4	0.0
24-Apr-07	26.3	11	5	25	3.8	27		1,600	5.87	32.1	0.0
25-Apr-07	26.2	9	6					16,000	6.04	32.2	0.0
26-Apr-07	26.3	7	6	26	3.5	24		16,000	5.83	32.2	0.0
27-Apr-07	26.1						38.8		5.75	31.8	2.0
28-Apr-07	26.7						42.4		5.23	31.9	5.0
29-Apr-07	27.7	14	9	26	3.8	27	66.9		5.23	32.9	6.0
30-Apr-07	27.4	41	33						5.23	32.6	7.0
Max:	58.8						66.9				
Min:	26.1						26.1				
Average:	32.3	12	10	21	3.3	23	35.8		9.27	41.6	40.0
Geo.Mean:								6,220			

Notes: (1)* Daily flows are calculated from calibrated meter readings
(2)** Daily out flows calculated from daily cell levels and storage capacities