

City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Activated Sludge Plant Report
January, 2007

Date	Raw Sewage	Activate Sludge Plant Effluent 24 Hour Composite Sample					ASP Effluent Grab Sample		Groundwater Pumped	Raw & Groundwater
	Daily Flow	TSS	cBOD5	Ammonia	Total Phosphorus	Total Nitrogen	Raw Flow @ Grab Time	E.Coli	Daily Flow	Total Daily Flow
	ML	(mg/L)	(mg/L)	(mg/L-N)	(mg/L-P)	(mg/L-N)	ML	MPN/100 mL	ML*	ML
1-Jan-07	23.7	92	28							23.7
2-Jan-07	23.4	48	21	26	4.6	32	22.8	240,000		23.4
3-Jan-07	23.4	86	27				23.0	920,000		23.4
4-Jan-07	23.1	70	30	24	5.7	34	23.5	540,000		23.1
5-Jan-07	23.5									23.5
6-Jan-07	24.5									24.5
7-Jan-07	25.4	98	29	25	6.6	38				25.4
8-Jan-07	23.8	91	16							23.8
9-Jan-07	23.0	35	15	24	5.0	28	29.8	5,400		23.0
10-Jan-07	22.9	122	29				29.3	35,000		22.9
11-Jan-07	23.0	84	39	21	6.7	40	30.7	3,500		23.0
12-Jan-07	23.0									23.0
13-Jan-07	24.6									24.6
14-Jan-07	25.3	160	32	20	6.7	39				25.3
15-Jan-07	24.1	50	17							24.1
16-Jan-07	23.5	136	29	19	4.9	34	30.1	9,200		23.5
17-Jan-07	23.4	128	33				11.4	24,000		23.4
18-Jan-07	23.1	136	>37	29	6.8	38	32.9	54,000		23.1
19-Jan-07	23.1									23.1
20-Jan-07	24.2									24.2
21-Jan-07	25.2	110	29	30	6.8	39				25.2
22-Jan-07	23.6	16	11							23.6
23-Jan-07	22.7	31	14	27	4.5	33	28.2	54,000		22.7
24-Jan-07	22.9	41	15				11.3	35,000		22.9
25-Jan-07	23.2	24	13	27	4.1	35	29.3	160,000		23.2
26-Jan-07	23.3								1.27	24.6
27-Jan-07	24.2								3.18	27.4
28-Jan-07	25.4	69	26	26	5.6	37			2.52	27.9
29-Jan-07	23.6	12	10						0.22	23.8
30-Jan-07	23.0	54	17	28	4.9	35	28.5	92,000	2.45	25.5
31-Jan-07	23.0	45	14				29.1	350,000	2.75	25.7
Max:	25.4						25.4			
Min:	22.7						22.7			
Average:	23.7	76	22	25	5.6	36	25.7		2.07	24.1
Geo.Mean:								60,700		

Notes:

(1)* Daily flows are calculated from calibrated meter readings from Pump Well #2 and Pump Well #3.