

Appendix 4
WEWPC FACT SHEET

CITY OF WINNIPEG
WEST END WATER POLLUTION CONTROL CENTRE

FACT SHEET

LAGOONS

Primary Cells - 3 at 18.2 ha

Total bottom area = 54.6ha
Overall Depth = 2.9m
Operating Depth = 1.5m
Total Operating Volume = 830 ML

Secondary Cells - 2 at 25.3 ha

Total bottom area = 50.6 ha
Overall Depth = 3.1m
Operating Depth = 1.5m
Total Operating Volume = 770 ML

Capacity

Summer - Based on 56 kg BOD/ha in primary cells 14 ML/d
Winter - Based on 200 day storage = 6 ML

EXTENDED AERATION

Maximum capacity = 27 ML/d

Processes

1. Screening - Two parallel "Bauer Hydra-Sieves"
2. Extended Aeration - Two parallel mechanically aerated aeration basins with integral clarifiers. Normal operation on ten day SRT.
3. Sludge Wasting - Sludge is wasted continuously directly from the aeration basins to primary lagoons.