SWIS Design Inputs summary worksheet

Job: _____ Date: _____ Designer: _____

Daily Design Flow

From SPM Part 2

House number of bedrooms _____ Base flow: _____ L/day

House floor area (sq m) _____

1 sqm = 10.76 sqft

Maximum floor area (sqm) _____

for # bedrooms (*from SPM*)

Additional floor area (sqm) _____ x 5 L/dy per sqm _____ L/Day

Total daily design flow **Q** = _____ **L/Day**

Peaking/Safety factor: **2** **Average flow** = Q / 2 = _____ L/Day

Soil/site information

Constraint classification: _____ System type: _____

A. Chosen soil type

Texture: _____ Structure: _____ Grade: _____ Consistency:_____

Percolation rate: _____ min/inch Kfs: _____ mm/day

B. Soil depth

Soil depth to SHWT or RL: _____ inches Type of restriction: _____

Soil proposed Vertical Separation: _____ inches Downslope VS (at c 25' or 50') _____inches

C. Site slope in field area and 25' or 50' downslope (*25' pressure, 50' gravity*)

Slope % : _____ Type: _____ Location.: _____

Loading rates

From SPM Part 2 loading rate tables. Proposed effluent type:_____

LLR: _____ L/m/day

HLR: _____**L/sqm/day** (*Basal loading for mound*)

Minimum system length = Q/LLR _____ ÷ _____ = _____ Meters

AIS = Q/HLR _____ ÷ _____ = _____ Square Meters

For seepage bed systems use AIS x 1.35