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