## Trench Field Sizing Worksheet

Trench Bottom Surface Area (A.I.S) \& Length Sizing
The complete system is to comply with BC SPM Version 3
This worksheet does NOT consider all of the requirements of SPM Version 3
Use only Metric units of measurement throughout (Liters (L), Centimeters (cm), L/day/m ${ }^{2}$ )
Step 1) Determine the expected volume of sewage per day

Daily Design Flow DDF

Assure that sewage strength does not exceed requirements of BC SPM V3


Step 2) Determine the (design) soil effluent loading rate:


Step 6) Determine contour length of dispersal field required based on LLR

from F1


Use lower value of F5 or F5A

Minimum Contour Length - MCL
$\square$


Note: *Number of spaces is equal to number of trenches minus 1 *
Step 8) Adjust Contour Length to Number of Trenches to Meet Linear Loading
Min.Trench length


Step 9) Calculate Minimum Total width from outside to outside of trenches


Step 10) Calculate Adjusted AIS


Step 11) Calculate Total Treatment Area



