

Schedule B APPENDIX I MDS FORMULA CALCULATIONS

MDS FORMULA ONE

I	<u>USE</u>	- To determine the minimum separation distance requirements for non-agricultural uses (Table 6) establishing or expanding in close proximity to existing livestock buildings
	<u>APPLICATION</u>	- as a guideline for land use planning 1. To evaluate severance applications 2. To evaluate building permit applications 3. To evaluate plans of subdivision
	<u>PURPOSE</u>	- 1. To reduce fragmentation and attrition of land as an agricultural resource and to enhance its future development for agricultural purposes. 2. To reduce the potential for environmental conflicts between livestock operations and incompatible neighbouring land uses-
	<u>METHOD</u>	- Involves assessment of the livestock operation, the selection of factors from tables, the calculation of the minimum acceptable distance and evaluation.

II Assessment of Livestock Operation and Selection of Factors (complete only this section if calculations are to be made by central computer)

Type of livestock, housing capacity and calculation of animal units (Table 2)

Type of Livestock	Existing Housing Capacity Number Per Year	Animal Units
Total Animal Units		

Selection of Factors

1. Calculate animal units factor 'B' - Table 3 using the greater of:
 - (a) existing housing capacity
 - OR
 - (b) basic quota of 2 times the number of tillable acres under single ownership at this site
(up to a maximum of 150 animal units)
2. Factor for type of livestock 'A' - Table 1
If there are more than one type of livestock use average of factors weighted according to number of animal units in each category
3. Factor 'D' for type of manure system - Table 5
4. Encroachment factor 'E' for siting of land uses, or change in land use designation, or zoning (Table 6)

III Calculation of Minimum Acceptable Distance (Complete this section only if central computer is not to be used for calculations)

1. Distance coef. $H = A \times B \times D \times E = \underline{\quad} \times \underline{\quad} \times \underline{\quad} \times \underline{\quad} =$
2. Minimum acceptable distance to nearest part of the livestock operation (e.g. building, silo, manure storage tank, concrete pad or stacker, but not including milkhous, implement shed or dry food storage buildings)
= $H \times 1000 \text{ ft.} = \underline{\quad} \times 1000 \text{ ft.} = \underline{\quad} \text{ ft.}$
3. Actual distance

Evaluation: Application above criteria

Application reference _____ Date of Evaluation _____

By _____

NOTE:
Official Form and Wording of MDS Formulas and their use in Municipal Planning programs will be determined by Ontario Municipal Board.
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