

MDS FORMULA TWO

I USE - To determine the set-backs and separation distance requirements for new, enlarged or remodelled livestock facilities within agricultural areas.

APPLICATION - In concert with MDS FORMULA ONE

1. As a guideline for rural land use planning.
2. As a guideline for certification of proposed changes to livestock facilities under the Ontario Certificate of Compliance program.
3. As a method of control of the siting of new, enlarged or remodelled livestock housing and manure storage facilities when desired by the municipality by incorporation into by-laws as authorized by Section 35 of the Ontario Planning Act.

PURPOSE

1. To permit the orderly development of livestock operations within agricultural areas.
2. To reduce the potential for environmental conflicts between livestock operations and incompatible neighbouring land uses.

METHOD - Involves assessment of the proposed change in the livestock operation, the selection of factors from tables, the performance of test one (calculation of acceptable distances and comparison with actual distances) and, if required, performance of test two (calculation of performance index and total performance, and comparison to minimum accepted values), and performance of test three (siting of manure storage).

II Assessment of the Proposed Change in the Livestock Program (complete only this section if calculations are to be made by central computer)

1. Types of livestock, housing capacity and calculation of animal units (Table 2)

Type of Livestock	Existing Housing Capacity Number/Year	Animal Units (Table 2)	Additional Capacity Number/Year	Animal Units (Table 2)	Total Housing Capacity Number/Year	Animal Units (Table 2)
Total Animal Units						

2. Calculation of percentage increase in animal units

\div $\times 100 =$ % increase

Selection of Factors

1. Factor for livestock to be added (Table 1)
2. Factor for total number of animal units (Table 3)
3. Factor for new operations, or rebuilding, remodelling or enlarging (Table 4)
4. Factor for manure system (Table 5)

	Factor A
	Factor B
	Factor C
	Factor D

III Calculation of Distance Coefficient for Livestock Housing (complete this section only if central computer is not to be used for calculation)

Distance Coef. $F = A \times B \times C \times D =$ \times \times \times $=$

	Coef. F
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Calculation of Distance Coefficient for Siting of Manure Storage

1. Selection of Factor for manure storage (Table 7)
2. Distance Coefficient S (Table 7)

	Factor M
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	Coef. S
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