

## Appendix C-2



### Minimum Distance Separation II

Worksheet 1

Prepared By: Robert Brown, Manager, Planning Services, Town of Kingsville

**Description:** Potential Expansion

**Application Date:** Thursday, April 29, 2021

**Municipal File Number:** ZBA/04/2021

**Applicant Contact Information**

B Boyd  
367 County Rd 34  
Cottam, ON, Canada

**Location of Subject Livestock Facilities**

County of Essex, Town of Kingsville  
GOSFIELD, Concession: NTR, Lot: 264

Roll Number: 37115900000100



**Calculation Name:** *Farm 1*

**Description:** Potential Expansion

The barn area is an estimate only and is intended to provide users with an indication of whether the number of livestock entered is reasonable.

Manure Type	Type of Livestock/Manure	Existing Maximum Number	Existing Maximum Number (NU)	Total Maximum Number	Total Maximum Number (NU)	Estimated Livestock Barn Area
Solid	Beef, Cows, including calves to weaning (all breeds), Confinement	60	60.0	120	120.0	1,115 m <sup>2</sup>

**Manure Storage:** V1. Solid, inside, bedded pack

**Existing design capacity (NU):** 60.0

**Design capacity after alteration (NU):** 120.0

$$\begin{array}{ccccccc}
 \text{Factor A} & \text{Factor B} & \text{Factor C} & \text{Factor D} & & \text{Building Base Distance 'F'} & \\
 (\text{Odour Potential}) & (\text{Size}) & (\text{Orderly Expansion}) & (\text{Manure Type}) & & (\text{minimum distance from livestock barn}) & \\
 \mathbf{0.7} & \mathbf{X} & \mathbf{336.55} & \mathbf{X} & \mathbf{0.8737} & \mathbf{X} & \mathbf{0.7} & = & \mathbf{144\ m\ (473\ ft)}
 \end{array}$$

$$\begin{array}{c}
 \text{Storage Base Distance 'S'} \\
 (\text{minimum distance from manure storage}) \\
 \mathbf{144\ m\ (473\ ft)}
 \end{array}$$

**MDS II Setback Distance Summary**

Description	Minimum Livestock Barn Setback Distance	Actual Livestock Barn Setback Distance	Minimum Manure Storage Setback Distance	Actual Manure Storage Setback Distance
Type A Land Uses	144 m 473 ft	209 m 686 ft	144 m 473 ft	209 m 686 ft
Type B Land Uses	288 m 945 ft	TBD	288 m 945 ft	TBD
Nearest lot line (side or rear)	14 m 47 ft	138 m 453 ft	14 m 47 ft	138 m 453 ft
Nearest road allowance	29 m 95 ft	64 m 210 ft	29 m 95 ft	64 m 210 ft



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### Preparer Information

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Signature of Preparer: \_\_\_\_\_ Date: \_\_\_\_\_  
Robert Brown, Manager, Planning Services

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### NOTE TO THE USER:

The Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA) has developed this software program for distribution and use with the Minimum Distance Separation (MDS) Formulae as a public service to assist farmers, consultants, and the general public. This version of the software distributed by OMAFRA will be considered to be the official version for purposes of calculating MDS. OMAFRA is not responsible for errors due to inaccurate or incorrect data or information; mistakes in calculation; errors arising out of modification of the software, or errors arising out of incorrect inputting of data. All data and calculations should be verified before acting on them.