

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 ² |

Manure Storage: V1. Solid, inside, bedded pack

Existing design capacity (NU): 60.0

Design capacity after alteration (NU): 120.0

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

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

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: _____
Robert Brown, Manager, Planning Services

Date: _____

NOTE TO THE USER:

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