



MDS I Caroline Baker Lucan

General information

Application date Apr 15, 2025	Municipal file number	Proposed application Building permit for the construction of a dwelling (farm or non-farm)
Applicant contact information Lucan Feeders 34210 Neil Road Lucan , ON	Location of subject lands County of Middlesex Municipality of North Middlesex MCGILLIVRAY Concession 2 , Lot 22 Roll number: 395400002006800	

Calculations

Con 2 Lot 24

Farm contact information

Unknown Producer
Neil Road
Lucan, ON
N0M2J0

Location of existing livestock facility or

anaerobic digester
County of Middlesex
Municipality of North Middlesex
MCGILLIVRAY
Concession 2 , Lot 24
Roll number: 395400002006900

Total lot size

26 ac

Livestock/manure summary

Manure Form	Type of livestock/manure	Existing maximum number	Existing maximum number (NU)	Estimated livestock barn area
Solid	Beef, Feeders (7 - 16 months), Confinement Bedded Pack	297	99 NU	14850 ft ²



Confirm Livestock/Manure Information (Con 2 Lot 24)

The livestock/manure information has not been confirmed with the property owner and/or farm operator.

Setback summary

Existing manure storage	V3. Solid, outside, no cover, >= 30% DM		
Design capacity	99 NU		
Potential design capacity	198 NU		
Factor A (odour potential)	0.8	Factor B (design capacity)	401.03
Factor D (manure type)	0.7	Factor E (encroaching land use)	1.1
Building base distance 'F' (A x B x D x E) (minimum distance from livestock barn)			248 m (814 ft)
Actual distance from livestock barn			NA
Storage base distance 'S' (minimum distance from manure storage)			248 m (814 ft)
Actual distance from manure storage			NA

Riverbend Equestrian

Farm contact information

Riverbend Equestrian
 Riverbend Equestrian Centre
 34219 Neil Road
 Lucan , ON
 N0M 2J0
 519-661-7703

Location of existing livestock facility or

anaerobic digester
 County of Middlesex
 Municipality of North Middlesex
 MCGILLIVRAY
 Concession 3 , Lot 22
 Roll number: 395400002006000

Total lot size

60 ac

Livestock/manure summary

Manure Form	Type of livestock/manure	Existing maximum number	Existing maximum number (NU)	Estimated livestock barn area
Solid	Horses, Large-framed, mature; > 680 kg (including unweaned offspring)	30	42.9 <u>NU</u>	9750 <u>ft</u> ²

Setback summary

Existing manure storage	V3. Solid, outside, no cover, >= 30% DM			
Design capacity	42.9 <u>NU</u>			
Potential design capacity	85.7 <u>NU</u>			
Factor A (odour potential)	0.7	Factor B (design capacity)	302.99	
Factor D (manure type)	0.7	Factor E (encroaching land use)	1.1	

Building base distance 'F' (A x B x D x E)
 (minimum distance from livestock barn)

164 m (538 ft)

Actual distance from livestock barn

NA

Storage base distance 'S'
 (minimum distance from manure storage)

164 m (538 ft)

Actual distance from manure storage

NA

Sarah Bassett

Farm contact information

Sarah Bassett
Neil Road
Lucan , ON
N0M 2J0
519-719-9359

Location of existing livestock facility or anaerobic digester

County of Middlesex
Municipality of North Middlesex
MCGILLIVRAY
Concession 3 , Lot 21
Roll number: 395400002006100

Total lot size100 ac**Livestock/manure summary**

Manure Form	Type of livestock/manure	Existing maximum number	Existing maximum number (NU)	Estimated livestock barn area
Solid	Horses, Medium-framed, mature; 227 - 680 kg (including unweaned offspring)	3	3 <u>NU</u>	750 <u>ft²</u>

Setback summary

Existing manure storage	V3. Solid, outside, no cover, >= 30% DM			
Design capacity	3 <u>NU</u>			
Potential design capacity	3 <u>NU</u>			
Factor A (odour potential)	0.7	Factor B (design capacity)	150	
Factor D (manure type)	0.7	Factor E (encroaching land use)	1.1	
Building base distance 'F' (A x B x D x E) (minimum distance from livestock barn)	81 <u>m</u> (266 <u>ft</u>)			
Actual distance from livestock barn	<u>NA</u>			
Storage base distance 'S' (minimum distance from manure storage)	81 <u>m</u> (266 <u>ft</u>)			
Actual distance from manure storage	<u>NA</u>			

Preparer signoff & disclaimer**Preparer contact information**

Tina Beirnes
Tina Beirnes Ag Consulting
166 Fisher Ave
PO Box 257
Atwood, ON
N0G 1B0
519-807-3537
tinabeirnes@gmail.com

Signature of preparer

Tina Beirnes , Nutrient
Management Consultant

Date (mmm-dd-yyyy)

Note to the user

The Ontario Ministry of Agriculture, Food and Agribusiness (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 OMAFA will be considered to be the official version for purposes of calculating MDS. OMAFA 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.

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