

MDS REPORT FOR BOERKAMP LOT CREATION

MDS I

General information

Application date
Oct 21, 2024

Municipal file number

Proposed application
Lot creation for a maximum of three non-agricultural use lots

Applicant contact information 

ON

Location of subject lands
County of Grey
Township of West Grey
BENTINCK
Concession 12 , Lot 3
Roll number: 4205280008159000


Notes

Based on information provided by Nancy Boerkamp

This MDS Report was prepared to determine whether Severed Lot No. 2 (currently vacant) complies with the MDS formulae. Severed Lot No. 1 already contains a detached dwelling and therefore the MDS formulae is typically not applied unless a house on the severed parcel is being separated from a barn as a result of the severance.

Calculations

Barn 1 (to the north)

Farm contact information 

ON

Location of existing livestock facility or anaerobic digester

County of Grey
 Township of West Grey
 BENTINCK
 Concession 13 , Lot 3
 Roll number: 4205280008163000

Total lot size

40.57 ha

Livestock/manure summary


Manure Form	Type of livestock/manure	Existing maximum number	Existing maximum number (NU)	Estimated livestock barn area
Solid	Dairy, Milking-age Cows (dry or milking) Large Frame (545 - 658 kg) (eg. Holsteins), Tie Stall	20	28.6 NU	204 m ²
Solid	Dairy, Heifers Large Frame (182 - 545 kg) (eg. Holsteins), Deep Bedded	15	7.5 NU	98 m ²
Solid	Dairy, Calves Large Frame (45 - 182 kg) (eg. Holsteins)	5	0.8 NU	16 m ²

Setback summary

Existing manure storage	V3. Solid, outside, no cover, >= 30% DM		
Design capacity	36.9 NU		
Potential design capacity	110.7 NU		
Factor A (odour potential)	0.7	Factor B (design capacity)	327.18
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)	177 m (581 ft)
Actual distance from livestock barn	203 m (666 ft)
Storage base distance 'S' (minimum distance from manure storage)	177 m (581 ft)
Actual distance from manure storage	203 m (666 ft)

Barn 2 (to the west)

Farm contact information 

ON

Location of existing livestock facility or anaerobic digester

County of Grey
Township of West Grey
BENTINCK
Concession 12, Lot 2
Roll number: 4205280008158000

Total lot size

41.83 ha

Livestock/manure summary

Manure Form	Type of livestock/manure	Existing maximum number	Existing maximum number (NU)	Estimated livestock barn area
Solid	Swine, Feeders (27 - 136 kg), Solid Scrape	300	57.1 NU	383 m ²

Setback summary

Existing manure storage L1. Solid, outside, no cover, 18-30% DM, with uncovered liquid runoff storage

Design capacity 57.1 NU

Potential design capacity 171.4 NU

Factor A (odour potential) 1.2

Factor D (manure type) 0.7

Factor B (design capacity) 381.3

Factor E (encroaching land use) 1.1


Building base distance 'F' (A x B x D x E)
(minimum distance from livestock barn) 353 m (1158 ft)

Actual distance from livestock barn 451 m (1480 ft)

Storage base distance 'S'
(minimum distance from manure storage) 370 m (1214 ft)

Actual distance from manure storage 451 m (1480 ft)

Barn 3 (to the northwest)

Farm contact information 

ON

Location of existing livestock facility or anaerobic digester

County of Grey
Township of West Grey
BENTINCK
Concession 13 , Lot Part Lots 1 and 2
Roll number: 4205800081620000

Total lot size

49.13 ha

Livestock/manure summary

Manure Form	Type of livestock/manure	Existing maximum number	Existing maximum number (NU)	Estimated livestock barn area
Solid	Beef, Cows, including calves to weaning (all breeds), Yard/Barn	20	20 NU	93 m ²

Setback summary

Existing manure storage	V3. Solid, outside, no cover, >= 30% DM		
Design capacity	20 NU		
Potential design capacity	40 NU		
Factor A (odour potential)	0.7	Factor B (design capacity)	240
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)	130 m (427 ft)		
Actual distance from livestock barn	735 m (2411 ft)		
Storage base distance 'S' (minimum distance from manure storage)	130 m (427 ft)		
Actual distance from manure storage	735 m (2411 ft)		

Preparer signoff & disclaimer

Preparer contact information

Ron Davidson
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Signature of preparer

Ron Davidson

Ron Davidson , Planner

01/05/2025

Date (mmm-dd-yyyy)

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.

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