

Laverne Weber(School) MDS I 25

General information

Application date

Jul 14, 2025

Municipal file number

Proposed application

New or expanding church, school or cemetery used primarily by a community reliant on horse-drawn transportation

Applicant contact information

Laverne Weber

Location of subject lands

County of Grey

Township of Southgate

PROTON

Concession 10 , Lot 13

Roll number: 4207090002053000000

Calculations

Farm 1

Farm contact information

Elvin Martin

Location of existing livestock facility or anaerobic digester

County of Grey

Township of Southgate

PROTON

Concession 10, Lot 12

Roll number: 4207090002051000000

Total lot size

98 ac

Livestock/manure summary

Manure Form	Type of livestock/manure	Existing maximum number	Existing maximum number (NU)	Estimated livestock barn area
Solid	Dairy, Calves Large Frame (45 - 182 kg) (eg. Holsteins)	37	6.2 <u>NU</u>	1295 <u>ft</u> ²
Solid	Beef, Feeders (7 - 16 months), Confinement Bedded Pack	39	13 <u>NU</u>	1950 <u>ft</u> ²
Solid	Dairy, Heifers Large Frame (182 - 545 kg) (eg. Holsteins), Deep Bedded	28	14 <u>NU</u>	1960 <u>ft</u> ²
Liquid	Dairy, Milking-age Cows (dry or milking) Large Frame (545 - 658 kg) (eg. Holsteins), Tie Stall	50	71.4 <u>NU</u>	5500 <u>ft</u> ²
Solid	Dairy, Milking-age Cows (dry or milking) Large Frame (545 - 658 kg) (eg. Holsteins), Bedded Pack	6	8.6 <u>NU</u>	900 <u>ft</u> ²
Solid	Horses, Medium-framed, mature; 227 - 680 kg (including unweaned offspring)	4	4 <u>NU</u>	1000 <u>ft</u> ²

Setback summary

Existing manure storage	M1. Liquid, outside, no cover, straight-walled storage		
Design capacity	117.2 <u>NU</u>		
Potential design capacity	351.5 <u>NU</u>		
Factor A (odour potential)	0.71	Factor B (design capacity)	490.25
Factor D (manure type)	0.76	Factor E (encroaching land use)	1.1

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

291 m (955 ft)

Actual distance from livestock barn

NA

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

362 m (1188 ft)

Actual distance from manure storage

NA

Farm 2

Farm contact information
Elvin Martin
145435 SOUTHGATE RD 14
DUNDALK, ON
N0C 1B0

Location of existing livestock facility or
anaerobic digester
County of Grey
Township of Southgate
PROTON
Concession 11 , Lot 12
Roll number: 4207090002072000000

Total lot size
95.4 ac

Livestock/manure summary

Manure Form	Type of livestock/manure	Existing maximum number	Existing maximum number (NU)	Estimated livestock barn area
Solid	Chickens, Layer hens (for eating eggs; after transfer from pullet barn), Floor Run	100	0.7 <u>NU</u>	100 <u>ft²</u>
Solid	Veal, Grain-fed	67	11.2 <u>NU</u>	4219 <u>ft²</u>

Setback summary

Existing manure storage V3. Solid, outside, no cover, >= 30% DM

Design capacity 11.8 NU

Potential design capacity 23.7 NU

Factor A (odour potential) 0.81

Factor D (manure type) 0.7

Factor B (design capacity) 207.32

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

NA

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

130 m (427 ft)

Actual distance from manure storage

NA

Farm 3

Farm contact information
Paul Martin
145469 SOUTHGATE RD 14
DUNDALK, ON
N0C 1B0

Location of existing livestock facility or
anaerobic digester
County of Grey
Township of Southgate
PROTON
Concession 11, Lot 13
Roll number: 4207090002073000000

Total lot size
92.5 ac

Livestock/manure summary

Manure Form	Type of livestock/manure	Existing maximum number	Existing maximum number (NU)	Estimated livestock barn area
Liquid	Dairy, Heifers Large Frame (182 - 545 kg) (eg. Holsteins), Pack Scrape 1 Side	56	28 <u>NU</u>	5600 <u>ft²</u>
Liquid	Dairy, Milking-age Cows (dry or milking) Large Frame (545 - 658 kg) (eg. Holsteins), Bedded Pack	62	88.6 <u>NU</u>	9300 <u>ft²</u>
Liquid	Dairy, Calves Large Frame (45 - 182 kg) (eg. Holsteins)	20	3.3 <u>NU</u>	700 <u>ft²</u>

Setback summary

Existing manure storage	M1. Liquid, outside, no cover, straight-walled storage		
Design capacity	119.9 <u>NU</u>		
Potential design capacity	359.7 <u>NU</u>		
Factor A (odour potential)	0.7	Factor B (design capacity)	494.22
Factor D (manure type)	0.8	Factor E (encroaching land use)	1.1
Building base distance 'F' (A x B x D x E) (minimum distance from livestock barn)	305 <u>m</u> (1001 <u>ft</u>)		
Actual distance from livestock barn	<u>NA</u>		
Storage base distance 'S' (minimum distance from manure storage)	375 <u>m</u> (1230 <u>ft</u>)		
Actual distance from manure storage	<u>NA</u>		

Farm 4

Farm contact information
 Floyd Martin
 145546 SOUTHGATE RD 14
 DUNDALK, ON
 N0C 1B0

Location of existing livestock facility or anaerobic digester
 County of Grey
 Township of Southgate
 PROTON
 Concession 11, Lot 15
 Roll number: 4207090002054000000

Total lot size
 267 ac

Livestock/manure summary

Manure Form	Type of livestock/manure	Existing maximum number	Existing maximum number (NU)	Estimated livestock barn area
Liquid	Dairy, Heifers Large Frame (182 - 545 kg) (eg. Holsteins), Pack Scrape 1 Side	49	24.5 <u>NU</u>	4900 <u>ft</u> ²
Liquid	Dairy, Milking-age Cows (dry or milking) Large Frame (545 - 658 kg) (eg. Holsteins), Tie Stall	40	57.1 <u>NU</u>	4400 <u>ft</u> ²
Liquid	Dairy, Calves Large Frame (45 - 182 kg) (eg. Holsteins)	30	5 <u>NU</u>	1050 <u>ft</u> ²
Liquid	Dairy, Milking-age Cows (dry or milking) Large Frame (545 - 658 kg) (eg. Holsteins), Bedded Pack	10	14.3 <u>NU</u>	1500 <u>ft</u> ²
Solid	Horses, Medium-framed, mature; 227 - 680 kg (including unweaned offspring)	4	4 <u>NU</u>	1000 <u>ft</u> ²

Setback summary

Existing manure storage	M1. Liquid, outside, no cover, straight-walled storage		
Design capacity	104.9 <u>NU</u>		
Potential design capacity	314.8 <u>NU</u>		
Factor A (odour potential)	0.7	Factor B (design capacity)	471.68
Factor D (manure type)	0.8	Factor E (encroaching land use)	1.1

Building base distance 'F' (A x B x D x E)
 (minimum distance from livestock barn) 291 m (955 ft)

Actual distance from livestock barn NA

Storage base distance 'S'
 (minimum distance from manure storage) 362 m (1188 ft)

Actual distance from manure storage NA

Farm 5

Farm contact information
James Martin
145561 SOUTHGATE RD 14
DUNDALK, ON
N0C 1B0

Location of existing livestock facility or
anaerobic digester
County of Grey
Township of Southgate
PROTON
Concession 11 , Lot 15
Roll number: 4207

Total lot size
150 ac

Livestock/manure summary

Manure Form	Type of livestock/manure	Existing maximum number	Existing maximum number (NU)	Estimated livestock barn area
Liquid	Dairy, Heifers Large Frame (182 - 545 kg) (eg. Holsteins), Pack Scrape 1 Side	55	27.5 <u>NU</u>	5500 <u>ft</u> ²
Liquid	Dairy, Calves Large Frame (45 - 182 kg) (eg. Holsteins)	20	3.3 <u>NU</u>	700 <u>ft</u> ²
Liquid	Dairy, Milking-age Cows (dry or milking) Large Frame (545 - 658 kg) (eg. Holsteins), 3 Row Free Stall	60	85.7 <u>NU</u>	6300 <u>ft</u> ²
Liquid	Dairy, Milking-age Cows (dry or milking) Large Frame (545 - 658 kg) (eg. Holsteins), Bedded Pack	8	11.4 <u>NU</u>	1200 <u>ft</u> ²

Setback summary

Existing manure storage	M1. Liquid, outside, no cover, straight-walled storage		
Design capacity	128 <u>NU</u>		
Potential design capacity	383.9 <u>NU</u>		
Factor A (odour potential)	0.7	Factor B (design capacity)	505.63
Factor D (manure type)	0.8	Factor E (encroaching land use)	1.1

Building base distance 'F' (A x B x D x E)
(minimum distance from livestock barn) 312 m (1024 ft)

Actual distance from livestock barn NA

Storage base distance 'S'
(minimum distance from manure storage) 381 m (1250 ft)

Actual distance from manure storage NA

Preparer signoff & disclaimer

Preparer contact information
Adrien Martin

nutrientplans2@gmail.com

Signature of preparer



Adrien Martin

July 22/ 2025

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 & Adrien Martin are 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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