

**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<sup>2</sup></u>
Solid	Beef, Feeders (7 - 16 months), Confinement Bedded Pack	39	13 <u>NU</u>	1950 <u>ft<sup>2</sup></u>
Solid	Dairy, Heifers Large Frame (182 - 545 kg) (eg. Holsteins), Deep Bedded	28	14 <u>NU</u>	1960 <u>ft<sup>2</sup></u>
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<sup>2</sup></u>
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<sup>2</sup></u>
Solid	Horses, Medium-framed, mature; 227 - 680 kg (including unweaned offspring)	4	4 <u>NU</u>	1000 <u>ft<sup>2</sup></u>

### Setback summary

Existing manure storage	<b>M1. Liquid, outside, no cover, straight-walled storage</b>		
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  
 NOC 1B0  
 519-923-2449

**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 <u>NU</u>		
Potential design capacity	23.7 <u>NU</u>		
Factor A (odour potential)	0.81	Factor B (design capacity)	207.32
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 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  
 NOC 1B0  
 519-923-0443

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>ft<sup>2</sup></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>ft<sup>2</sup></u>
Liquid	Dairy, Calves Large Frame (45 - 182 kg) (eg. Holsteins)	20	3.3 <u>NU</u>	700 <u>ft<sup>2</sup></u>

**Setback summary**

Existing manure storage	<b>M1. Liquid, outside, no cover, straight-walled storage</b>		
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  
 NOC 1B0  
 519-923-6404

**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> <sup>2</sup>
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> <sup>2</sup>
Liquid	Dairy, Calves Large Frame (45 - 182 kg) (eg. Holsteins)	30	5 <u>NU</u>	1050 <u>ft</u> <sup>2</sup>
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> <sup>2</sup>
Solid	Horses, Medium-framed, mature; 227 - 680 kg (including unweaned offspring)	4	4 <u>NU</u>	1000 <u>ft</u> <sup>2</sup>

**Setback summary**

Existing manure storage	<b>M1. Liquid, outside, no cover, straight-walled storage</b>		
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  
 NOC 1B0  
 519-923-2291

**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<sup>2</sup></u>
Liquid	Dairy, Calves Large Frame (45 - 182 kg) (eg. Holsteins)	20	3.3 <u>NU</u>	700 <u>ft<sup>2</sup></u>
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<sup>2</sup></u>
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<sup>2</sup></u>

**Setback summary**

Existing manure storage	<b>M1. Liquid, outside, no cover, straight-walled storage</b>		
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 <u>m</u> (1024 <u>ft</u> )
Actual distance from livestock barn			<u>NA</u>
Storage base distance 'S' (minimum distance from manure storage)			381 <u>m</u> (1250 <u>ft</u> )
Actual distance from manure storage			<u>NA</u>

**Preparer signoff & disclaimer**

**Preparer contact information**  
 Adrien Martin



nutrientplans2@gmail.com

Signature of preparer



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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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