



**TOWNSHIP OF
WAINFLEET**

"Wainfleet - find your country side!"

PLANNING DEPARTMENT

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MINIMUM DISTANCE SEPARATION (MDS II) GUIDE

FOR NEW OR EXPANDING LIVESTOCK FACILITIES
AND/OR MANURE STORAGE



The Need for Minimum Distance Separation

In the rural and agricultural areas of Ontario, the Provincial Policy Statement (2014) requires new land uses and new or expanding livestock facilities to comply with Minimum Distance Separation (MDS) formulae. The Township has implemented this policy in Section 3.0 of the Township's [Official Plan](#) and Section 4.14 of the [Zoning By-law 034-2014](#).

The purpose of these requirements is to prevent land use conflicts between farmers and their rural neighbours, and minimize any nuisance complaints due to agricultural odour. Where there is sufficient separation distance between different rural uses, history has shown there have been fewer odour complaints.

What does this mean to you?

Before a building permit can be issued for either a new livestock facility or to increase the size of an existing livestock facility, you must identify the location of the proposed livestock facility and provide information on the type of livestock, capacity and manure storage areas. This information is submitted to the Township and used to calculate the Minimum Distance Separation required between uses and confirm if your proposal complies.

Minimum Distance Separation (MDS) is a recommended distance between a livestock facility and another land use. The distance of the setback (MDS) depends on several factors:

- The type and number of livestock within a facility;
- The size of the farm operation;
- The type of manure storage;
- The tillable hectares;
- The form of development present or proposed.

When Does MDS II Apply?

MDS II applies to proposed new or expanding livestock facilities and determines the required setback from existing or approved development, lot lines and road allowances.

MDS II does not apply to accessory buildings and structures to a dwelling such as decks, garages, gazebos, outbuildings, patios, picnic areas and sheds.

MDS I & II do not apply to abattoirs, apiaries, feed storages, greenhouses, kennels, slaughterhouses, pastures, stockyards or livestock facilities less than 10m².

Non-Compliance

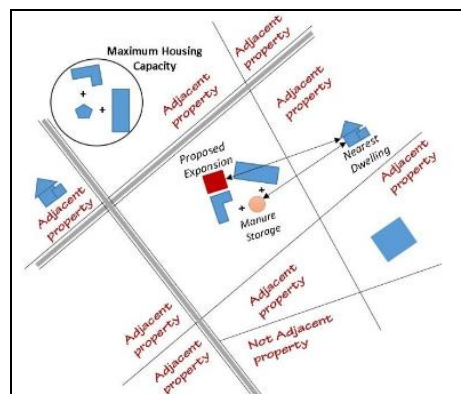
If the proposed building does not meet the MDS I setbacks, the applicant should adjust their proposal. A minor variance is an option, however approval of reduced setbacks are strongly discouraged as it increases the risk of land use conflicts.

MDS Submission Items – Information Required

1) Farm Data Sheet (MDS II)

Applicants are responsible for collecting and submitting the MDS II Farm Data Sheet **for the proposed or altered** livestock facility.

- a) If a property contains more than one livestock facility, the Maximum Housing Capacity would be the **total of all facilities on site**.
- b) The distance from the livestock facility to the nearest dwelling, subdivision or settlement area is the **distance from the proposed new construction or expansion** of the livestock facility even though there may be parts of the existing livestock facility that do not conform.



2) Site Plan

Applicants are responsible for submitting a site plan that shows the location of all existing and proposed buildings in relation to the lot lines. The site plan should also show the distance between the proposed the livestock facility and the closest dwelling.

Niagara Region's online interactive map, [Niagara Navigator](#), can be used to locate an image of your property and measurements can be obtained through the measurement tool.

MDS for Planning Act Applications

Should a minor variance or any other Planning Act applications be required for the proposed development, the applicant is responsible for providing the final MDS calculations in support of their application. The Township will not provide this service. Applicants may retain an independent consultant for such purposes.

Additional Information

For more information regarding the MDS Formulae please visit the [Ontario Ministry of Agriculture Food and Rural Affairs website](#).

FARM DATA SHEET

Proposal: New Construction Expansion of Existing Facility Manure Storage

Applicant Information:

Name _____ Telephone _____

Civic Address _____

Total Barn Area: _____ m² _____ ac

Distance from the livestock facility / manure storage to the nearest dwelling: _____ m _____ ft

Distance from the livestock facility / manure storage to the nearest subdivision, settlement area, recreational or institutional use: _____ m _____ ft

Signature of Applicant _____ Date _____

Animal Type or Material	Description	Current Housing Capacity (maximum)	Proposed Housing Capacity	Manure Storage Type
Swine	Sows with litter, dry sows/boars Segregated Early Weaning (SEW)			
	Sows with litter, dry sows or boars (non-SEW)			
	Breeder gilts (entire barn designed specifically for this purpose)			
	Weaners (7 kg - 27 kg)			
	Feeders (27 kg - 105 kg)			
Dairy Cattle	Milking-age cows (dry or milking) <input type="checkbox"/> Large <input type="checkbox"/> Medium <input type="checkbox"/> Small			
	Heifers (5 months to freshening) <input type="checkbox"/> Large <input type="checkbox"/> Medium <input type="checkbox"/> Small			
	Calves (0 - 5 months) <input type="checkbox"/> Large <input type="checkbox"/> Medium <input type="checkbox"/> Small			
Beef Cattle	Cows, including calves to weaning (all breeds)			
	Feeders (7 - 16 months)			
	Backgrounders (7 - 12.5 months)			
	Shortkeepers (12.5 - 17.5 months)			
Veal	Milk-fed			
	Grain-fed			
Goats	Does and bucks (for meat kids; includes unweaned offspring and replacements)			
	Does and bucks (for dairy; includes unweaned offspring and replacements)			
	Kids (dairy or feeder kids)			
Sheep	Ewes and rams (for meat lambs; includes unweaned offspring and replacements)			
	Ewes and rams (dairy operation; includes unweaned offspring and replacements)			
	Lambs (dairy or feeder lambs)			
Horses	Horses (including unweaned offspring) <input type="checkbox"/> Large <input type="checkbox"/> Medium <input type="checkbox"/> Small			
Chickens	Layer hens (for eating eggs; after transfer from pullet barn)			
	Layer pullets (day olds until transferred into layer barn)			
	Broiler breeder growers (males/females transferred out to layer barn)			
	Broiler breeder layers (males/females transferred in from grower barn)			
	Broilers <input type="checkbox"/> 8 week <input type="checkbox"/> 9 week <input type="checkbox"/> 10 week <input type="checkbox"/> 12 week <input type="checkbox"/> other cycle			
Turkeys	Turkey pullets (day old until transferred to layer turkey barn)			
	Turkey breeder layers (males/females transferred in from grower barn)			
	Breeder toms			
	Broilers (day olds to 6.2 kg)			
	Hens (day olds up to 6.2 kg to 10.8 kg; 7.5 kg is typical)			
	Toms (day olds to over 10.8 to 20 kg; 14.5 kg is typical)			
	Turkeys at any other weights			
Other livestock				
Manure imported to a lot not generating manure	Maximum capacity of permanent storages at any time: solid or liquid capacity.			
Anaerobic Digester	Maximum capacity of permanent storages at any time: solid or liquid capacity.			

*see terms defined on back page

Definitions & Permanent Manure or Material Storage Types

Existing Livestock Facility

A livestock facility, or a portion of a livestock facility, intended for keeping or housing of livestock and containing one or more barns or structures. Includes *manure or material storages*, whether associated with a livestock facility or not, and anaerobic digesters, which have already been constructed.

Manure or Material Storage

Permanent storages, which may or may not be associated with a livestock facility containing liquid manure (<18% dry matter), solid manure (\geq 18% dry matter), or digestate (< 18% dry matter). Permanent storages may come in a variety of:

- Locations (under, within, nearby, or remote from the barn)
- Materials (concrete, earthen, steel, wood)
- Coverings (open top, roof, tarp, or other materials)
- Configurations and shapes
- Elevations (above, below or partially above grade)

Tillable Hectares/Acres

Land, including pasture that can be worked or cultivated to grow crops.

Housing Capacity

Maximum livestock capacity for all facilities on a lot at any time, even if currently empty but able to house livestock.

Permanent Manure or Material Storage Types:

Solid Manure: 18% dry matter, or more

Liquid Manure: Less than 18% dry matter

Digestate: Less than 18% dry matter

- | | |
|----|---|
| O | No storage required (manure/material stored for less than 14 days) |
| V1 | Solid, inside, bedded pack |
| V2 | Solid, outside, covered |
| V3 | Solid, outside, no cover, greater than or equal 30% dry matter |
| V4 | Solid, outside, no cover, 18% to less than 30% dry matter, with covered liquid runoff storage |
| L1 | Solid, outside, no cover, 18% to less than 30% dry matter, with uncovered liquid runoff storage |
| V5 | Liquid, inside, underneath slatted floor |
| V6 | Liquid, outside, with a permanent tightly fitting cover |
| V7 | Liquid (digestate), outside, no cover |
| L2 | Liquid, outside, with permanent floating cover |
| M1 | Liquid, outside, no cover, straight-walled storage |
| M2 | Liquid, outside, roof, but with open sides |
| H1 | Liquid, outside, no cover, sloped-sided storage |