



The Corporation of the Township of McNab/Braeside

MDS II - DATA SHEET

Minimum Distance Separation II (MDS II) - Applies to all new or expanding livestock and/or manure storage facilities which must meet a minimum distance separation from all existing and approved development that may be affected by the new or expanded facility. MDS II also calculates required setbacks from lot lines and road allowances. The separation distance is calculated depending on the type and number of livestock and/or manure storage proposed within a new or expanded facility.

Please complete a Data Sheet for each livestock facility (barns and manure storages) proposed to be expanded.

Farm Owner:

Name:		Municipality:	
Farm/Company:		Geographic Township:	
Mailing Address:		Lot:	
Postal Code:		Concession:	
Telephone:		Civic Address:	
Fax:		Roll Number:	
E-mail:			

Livestock, Material & Manure Data

Please provide the Animal Type and/or Material, Existing Capacity, Proposed Capacity and associated form of manure, for the livestock facility located on the farm property described above. Please use the animal type and description as listed in the attached Appendix 1.

Animal Type or Material	Description	Existing Maximum Housing Capacity	Manure Form (Liquid or Solid)	Proposed Maximum Housing Capacity

Actual Distances

Closest distance from existing approved development to the new or expanded livestock facility: _____ meters

Closest distance from existing or approved development to the new or expanded manure storage facility: _____ metres

Previous Livestock Facility Expansions

Has a building permit been issued for the livestock facility on this property in the last 3 years that has increased its livestock capacity? Yes _____ No _____

The above information was supplied by: _____

SIGNATURE

DATE



The Corporation of the Township of McNab/Braeside MDS 1 and MDS II - Information Sheet

MDS DOES APPLY TO:

Number in brackets identifies MDS Guideline Number from Publication 707

- new lot created by severance (8)
- severance of an existing dwelling from same lot containing a livestock facility (8)
- adjacent lots regardless of ownership (16)
- rural residential cluster (39)
- cemeteries (38)
- earthen manure storages (4)
- manure transfer facilities (3)
- anaerobic digesters (AD) (fixed distances apply) (22)
- digestate storage from anaerobic digesters (21)
- Co-substrate Input Tanks (CSIT) (fixed distances apply) (22)
- empty livestock facilities that are structurally sound and reasonably capable of housing livestock or storing manure (19 & 20)
- Official Plan amendment for new non-agricultural development in an agricultural area (10)
- Zoning By-law amendment for new development in an agricultural area (9)

MDS DOES NOT APPLY TO:

Number in brackets identifies MDS Guideline Number from Publication 707

- abattoirs (2)
- accessory structures (i.e. decks gazebos, garages, patios, outbuildings) (13)
- apiaries (2)
- assembly yards (2)
- fairgrounds (2)
- feed storages (2)
- field shade and shelters (2)
- greenhouses (2)
- livestock facilities less than 10 m² (108 ft²) in floor area (2)
- a proposed non-agricultural use where 4 or more non-agricultural uses are closer to (i.e. in between) the livestock facility (12)
- livestock facilities that have been altered (with a building permit) so they are no longer capable of housing livestock or manure (20)
- kennels (2)
- machinery sheds (2)
- mushroom farms (2)
- pastures (2)
- slaughter houses (2)
- stockyards (2)
- temporary field nutrient storage sites (2)
- a dwelling located on the same lot as a livestock facility (15)
- livestock facilities with a capacity of less than 5 Nutrient Units (18)
- portions of a livestock facility where livestock are not present long enough to accumulate manure (i.e. feed bins, feed preparation areas, livestock loading chutes, milking centres, riding arenas, silos, offices, washrooms) (14)

DEFINITIONS:

Livestock Facility - one or more barns or permanent structures with livestock-occupied portions, intended for keeping or housing of livestock. A livestock facility also includes all manure or material storages and anaerobic digesters.

Tillable Hectares - land, including pasture that can be worked or cultivated to grow crops.

Type A Land Uses - uses that have a lower density of human occupancy, habitation or activity and include applications to rezone or redesignate agricultural lands for industrial, agricultural-related or recreational uses for low intensity purposes. Type A land uses include new and existing dwellings and the creation of up to 3 lots by consent or plan of subdivision.

Type B Land Uses - uses that have a higher density of human occupancy, habitation or activity and include applications to rezone or redesignate agricultural lands for residential, institutional or recreational uses for high intensity, commercial or settlement area purposes. Type B land uses include proposed rural residential subdivisions, expansions to settlement areas, multiple residential developments or lot creation that results in a rural residential cluster.

Measurements for MDS - are taken as the shortest distance between the livestock occupied portion or manure storage of the livestock facility and the area to be rezoned, redesignated, existing dwelling, proposed lot line and/or road allowance.

MDS II - also calculates setbacks from rear lot lines, side lot lines and road allowances, in addition to separation distances.

Source: Minimum Distance Separation (MDS) Formulae - Implementation Guidelines (Publication 707), prepared by the Ministry of Agriculture, Food and Rural Affairs (Publication 707 can be ordered from the Ontario Government website at www.gov.on.ca).

Township of McNab/Braeside - MDS 1 and MDS II
APPENDIX I - Animal & Material Types and Descriptions

Animal Type or Material	Description
Swine	<p>Sows with litter, dry sows, Segregated Early Weaning (SEW)</p> <p>Sows with litter, dry sows or boars (non-SEW)</p> <p>Breeders gilts (entire barn designed specifically for this purpose)</p> <p>Weaners (7-27 kg)</p> <p>Feeders (27-105 kg)</p>
Dairy Cattle	<p>Milking-age cows (dry or milking)</p> <p>- Large-framed: 545-636 kg (e.g. Holsteins)</p> <p>- Medium-framed: 455-545 (e.g. Guernseys)</p> <p>- Small-framed: 364-455 kg (e.g. Jerseys)</p> <p>Heifers (5 months to freshening)</p> <p>- Large framed: 182-545 kg (e.g. Holsteins)</p> <p>- Medium-framed: 148-455 kg (e.g. Guernseys)</p> <p>- Small-framed: 125-364 kg (e.g. Jerseys)</p> <p>Calves (0 - 5 months)</p> <p>- Large-framed: 45-182 kg (e.g. Holsteins)</p> <p>- Medium-framed: 39-148 kg (e.g. Guernseys)</p> <p>- Small-framed: 30-125 kg (e.g. Jerseys)</p>
Beef Cattle	<p><u>Cows, including calves to weaning (all breeds)</u></p> <p>Feeders (7 - 16 months)</p> <p>Backgrounders (7 - 12.5 months)</p> <p>Shortkeepers (12.5 - 17.5 months)</p>
Veal	<p><u>Milk-fed</u></p> <p>Grain-fed</p>
Goats	<p>Does & Bucks (for meat kids; includes unweaned offspring & replacements)</p> <p>Does & Bucks (for dairy; includes unweaned offspring & replacements)</p> <p>Kids (dairy or feeder kids)</p>
Sheep	<p>Ewes & rams (for meat lambs; includes unweaned offspring)</p> <p>Ewes & rams (dairy operation; includes unweaned offspring & replacements)</p> <p>Lambs (dairy or feeder lambs)</p>
Horses	<p>Large-framed, mature: > 681 kg (including unweaned offspring & replacements)</p> <p>Medium-framed, mature: 227-680 kg (including unweaned offspring)</p> <p>Small-framed, mature: < 227 kg (including unweaned offspring)</p>
Chickens	<p>Layer hens (for eating eggs; after transfer from pullet barn)</p> <p>Layer pullets (day olds until transferred into barn)</p> <p>Broiler breeder growers (males/females transferred out to layer barn)</p> <p>Broiler breeder layers (males/females transferred in from grower barn)</p> <p>Broilers on an 8 week cycle</p> <p>Broilers on a 9 week cycle</p> <p>Broilers on a 10 week cycle</p> <p>Broilers on a 12 week cycle</p> <p>Broilers on any other cycle, or if unknown, use 24.8 m²/NU</p>
Turkeys	<p>Turkey pullets (day old until transferred to layer turkey barn)</p> <p>Turkey breeder layers (males/females transferred in from grower barn)</p> <p>Breeder toms</p> <p>Broilers (day olds to 6.2 kg)</p> <p>Hens (day olds up to 6.2 - 10.8 kg; 7.5 kg is typical)</p> <p>Toms (day olds to over 10.8 - 20 kg; 14.5 kg is typical)</p> <p>Turkeys at any other weights, or if unknown, use 24.8 m²/NU</p>

Animal Type or Material	Description
Quail	Use 24.8 m ² /NU
Partridge	Use 24.8 m ² /NU
Pheasants	Use 24.8 m ² /NU
Squab	Use 24.8 m ² /NU
Rheas	Adults (includes replacements & market birds)
Emus	Adults (includes replacements & market birds)
Ostriches	Adults (includes replacements & market birds)
Ducks	<u>Peking</u> ----- Muscovy, use 24.8 m ² /NU
Geese	Use 24.8 m ² /NU
Rabbits	Breeding females (including males, replacements & market animals)
Chinchillas	Breeding females (including males, replacements & market animals)
Fox	Breeding females (including males, replacements & market animals)
Mink	Breeding females (including males, replacements & market animals)
Bison	<u>Adults (includes unweaned calves & replacements)</u> ----- Feeders (170 - 477 kg)
Llama	<u>Adults (includes unweaned young & replacements)</u> ----- Feeders (45-86 kg)
Alpaca	<u>Adults (includes unweaned young & replacements)</u> ----- Feeders (23-48 kg)
Wild Boar	<u>Breeding age sows (includes boars, replacements & weaned piglets to 27 kg)</u> ----- Finishing boars (27 - 86 kg)
Deer	White tailed deer - Adults >24 mo (including unweaned offspring) - Feeders
	Red deer - Adults > 24 mo (including unweaned offspring) - Feeders
	Elk - Adults > 24 mo (including unweaned offspring) - Feeders
	Elk/deer hybrids - Adults > 24 mo (including unweaned offspring) - Feeders
	Fallow deer - Adults > 24 mo (including unweaned offspring) - Feeders
Other livestock not listed in this table	To determine the number per NU, add up the total maximum live weight of animals and divide by the weight of animals by 453.6 kg (1000lbs)
Manure not imported to a lot not generating manure ²	Maximum capacity of permanent storages at any time: solid or liquid capacity
Storages for digestate from an Anaerobic Digester (odours reduced during this process)	Maximum capacity of permanent storages at any times: solid or liquid capacity

¹ On farms with 100 milking-age cows (dry & milking), there are usually 20 replacement calves and 80 replacement heifers.

² Average value for typical types of manures that might be imported to a lot, such as poultry, dairy, beef, swine, horse or other manure.