

**LIVESTOCK MANURE AND MORTALITIES
MANAGEMENT REGULATION M.R. 42/98**

**Application for Permit to Construct, Modify
or Expand a Manure Storage Facility**

**Manitoba
Conservation**



Name of Operation

Mailing Address

_____ Postal Code _____

Location of Operation

_____ Qtr Sec Twp Rge E/WPM or River Lot/Parish

_____ Rural Municipality

Name of Contact

Contact Numbers

_____ Business Residence Cellular Facsimile

Owner (legal name)

_____ Corp File # if app

Mailing Address

_____ Postal Code _____

Contact Numbers

_____ Business Residence Cellular Facsimile

Affiliate (legal name)

Engineering Consultant

Mailing Address

_____ Postal Code _____

Contact Numbers

_____ Business Residence Cellular Facsimile

Contractor

Mailing Address

_____ Postal Code _____

Contact Numbers

_____ Business Residence Cellular Facsimile

FOR DEPARTMENT USE ONLY

Permit No.: LM _____ Reviewed by: _____
Date received: _____ Date of Certification _____

Proprietary (confidential) information will be protected in accordance with Manitoba law. Personal information is collected under the authority of *The Environment Act*, the Livestock Manure and Mortalities Management Regulation M.R. 42/98, and will be used to issue permits, and for administration and enforcement purposes. Information collected is protected by the privacy provisions of *The Freedom of Information and Protection of Privacy Act*. If you have any questions, contact the Access & Privacy Coordinator, Box 85, 200 Saulteaux Crescent, Winnipeg MB R3J 3W3; 1-204-945-4170.

PERMIT REQUIRED FOR:

- 1. New operation and storage facility _____
- 2. Existing operation - new storage facility _____
- 3. Existing operation - expanded/modified storage facility _____

TYPE OF FACILITY:

Earthen: _____ Concrete: _____ Steel: _____ Other: _____

LIVESTOCK INFORMATION:

Operation description (e.g. milk cows, sows-farrow/finish, beef cows, broilers, etc):

Type and number of livestock _____

MANURE STORAGE FACILITY SITING INFORMATION:

Distance from nearest surface water course: _____

Distance from nearest spring, well or sinkhole: _____

Distance from the property boundaries of the agricultural operation: _____

Depth to groundwater table: _____

Distance to nearest residence not associated with operation _____

Located within 100 year flood plain elevation? i.e. Red River Valley Designated

Flood Area (Y/N) _____ Water Resources Permit # _____

Abandoned wells on site (Y/N) _____ Specify location _____

WATER SOURCE FOR OPERATION:

Description of water source: _____

Volume of water required (gallons/minute or litres/second): _____

Water Rights licence required (Y/N) _____ Water Rights Licence #: _____

PROPOSED CONSTRUCTION PERIOD: _____

Note: Section 6 (9) of M.R. 42/98 requires 5 days notification to Environment Officer **before start** of construction.

NEW EARTHEN STORAGE FACILITY

Type of construction:

Cut & fill: _____ Clay liner: _____ Synthetic liner: _____ Type of liner: _____

Proposed size:

	Cell #1	Cell #2	Cell #3
Floor measurement			
Length	_____	_____	_____
Width	_____	_____	_____
Inside Slope Ratio	_____	_____	_____
Top measurement			
Length	_____	_____	_____
Width	_____	_____	_____
Outside Slope Ratio	_____	_____	_____
Total Depth (incl. freeboard)	_____	_____	_____
Freeboard	_____	_____	_____
Storage capacity (days)	_____	_____	_____
Storage loading			
Top	_____	_____	_____
Bottom	_____	_____	_____

EXPANDED/MODIFIED EARTHEN STORAGE FACILITY

Size of existing storage facility

Floor measurement: Length: _____ Width: _____
 Top measurement: Length: _____ Width: _____
 Slope ratio Inside: _____ Outside: _____
 Total depth (incl. freeboard): _____
 Freeboard: _____
 Storage capacity (days) _____
 Storage loading: Top: _____ Bottom: _____

Number of existing monitoring wells

Description of existing storage facility (type, when constructed, Eng. designed, etc)

Size of proposed storage facility:

Floor measurement Length: _____ Width: _____
 Top measurement: Length: _____ Width: _____
 Slope ratio Inside: _____ Outside: _____
 Total depth (incl. freeboard): _____
 Freeboard: _____
 Storage capacity (days): _____
 Storage loading: Top: _____ Bottom: _____

NON-EARTHEN STORAGE INFORMATION

Concrete: _____ Steel: _____

Prefab _____ Custom _____

Dimension of facility: _____

Type of base _____ Capacity _____ (days)

Manufacturer: _____

Installer (if different from contractor) _____

Storage Loading: Top _____ Bottom _____

Appurtenances (i.e. - check valves, leak detection system) _____

FOR ALL STORAGES, PLEASE SUBMIT THE FOLLOWING ATTACHMENTS:

⇒ Manure application information:

1. legal description of manure spread fields (including legal owner)
2. manure spread field acres
3. crop type per spread field (annual, alfalfa, grasses, grass-alfalfa mixtures)
4. soil texture (light or medium-heavy)
5. time of year of application (spring, summer, fall)
6. application method (injection, broadcast, broadcast w/incorporation in 24 hrs, sprinkler)
7. spreading agreements

⇒ Site plan to scale showing:

1. location of barn
2. location of storage facility
3. location of wells/sinkholes/water courses, etc.
4. location of bore holes
5. property boundaries
6. closest residence not associated with operation
7. closest community - major roads (P.T.H.'s etc)
9. proposed monitoring wells (if applicable)

⇒ Design plan to scale including:

1. storage facility design
2. piping from barn
3. all appurtenances
4. dike protection details - access ramp (agitator pump)
- inlet discharge
- inter-connect channel if applicable
5. Soil test results - including borrow pit if applicable
- load bearing information (concrete or steel) storages
6. Bore hole logs - include borrow pit if applicable
- elevation of groundwater

Date: _____

Signature: _____