LIVESTOCK MANURE AND MORTALITIES
MANAGEMENT REGULATION

Application for Permit to Construct
a Manure Storage Facility

Manitoba
Sustainable Development

Operating Name of Operation:

Legal Name of Operation (if different):

Corporate Affiliation: Not Applicable

Mailing Address:

Postal Code

Location of Operation:

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

Manure Storage Facility: Same Location As Operation Other Location_____

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

Rural Municipality: **Civic Address:**

Name of Contact:

Contact Numbers:

Business Residence Cellular Facsimile

Contact Email Address:

Comments:	*For Department Use Only*

Preferred Correspondence: **Email** **Fax** **Mail**

Send Completed Form to:
  Sustainable Development
  Environmental Approvals Branch **Fax 204-945-5229**
  1007 Century Street, Winnipeg, MB R3H 0W4 **EnvironmentalEng@gov.mb.ca**

http://www.gov.mb.ca/sd/waste_management/livestock_program

PERMIT REQUIRED FOR *(check mark all that are applicable)*

New operation and storage facility

Existing operation - No expansion of livestock inventory, <u>ONLY</u> new storage facility

Existing operation – Expansion of livestock inventory <u>AND</u> new storage facility

Replacement of a facility erected without a permit (Application/Registration #_____)

Manure Conveyance / Lift Station

TYPE OF FACILITY *(check type)*

Earthen   Molehill   Concrete   Steel   Pipeline

Lift Station/ Wet Well   Treatment Facility   Other _____

LIVESTOCK INFORMATION

Operation description *(e.g. milk cows and replacement livestock, sows-farrow/finish, beef cows, broilers, etc)*

_____

Type and number of livestock and animal units approved by RM _____

_____

Type and number of livestock and animal units the storage is to be constructed for_____

_____

MANURE STORAGE FACILITY SITING INFORMATION *(Details to be included on drawings)*

Distance from nearest surface watercourse (m) _____

Distance from nearest sinkhole, spring or well (m) _____

Distance from the property boundaries of the agricultural operation (m) _____

Depth to groundwater (m) _____

Distance to nearest residence not associated with operation (m) _____

Located within 8 km of US / Canada Border (Y/N), if Yes, distance from border (m) _____

Located within 100 year flood plain elevation? i.e. Red River Valley Designated Flood Area (Y/N) _____

Designated Flood Area 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 #_____

OR Preliminary Works Permit #_____

OR Date of Application For Permit #_____

PROPOSED CONSTRUCTION PERIOD

Dates: _____   **to**   _____
                Month/Year   **Month/Year**

FACILITY DETAILS

Earthen Storage Facilit{ Details   Not Applicable

Type of construction

   Cut & fill   Clay liner   Plastic liner   Specify plastic liner type_____

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

Storage loading

   Top

   Bottom

Non-Earthen Storage Facility Details   Not Applicable

Prefabricated concrete   Custom concrete   Steel

Dimension of facility (m) _____

Type of base _____ Capacity_____ (days)

Manufacturer _____

Installer (if different from contractor) _____

Storage Loading   Top   Bottom

Loading/Agitation Pads

Pump-out Port

CONSULTANT, CONTRACTOR AND APPLICATION VERIFICATION

Engineering Consultant

Mailing Address _____

_____

_____Postal Code_____

Email _____

Contact Numbers _____

Business   Residence   Cellular   Facsimile

Contractor

Mailing Address _____

_____

_____Postal Code_____

Email _____

Contact Numbers _____

Business   Residence   Cellular   Facsimile

To be determined   ☐

By signing below I acknowledge that I have completed/reviewed this permit application form including the associated checklist and I certify that I am familiar with the foregoing information and that it is true, complete and accurate.

Signature_____   Date_____

(yyyy/mm/dd)

Print name_____

CHECKLIST

THE FOLLOWING INFORMATION/ATTACHMENTS ARE REQUIRED

This checklist is completed for (Legal Name of Operation) _____

Please Check Mark (√)   Provided (P)   Not Applicable (NA)   P   NA

⇒ Site plan to scale showing
1. location of barn(s) .... ☐ ☐
2. location of manure storage facility .... ☐ ☐
3. location of watercourse(s) .... ☐ ☐
4. location of sinkhole(s) .... ☐ ☐
5. location of spring(s) .... ☐ ☐
6. location of well(s) .... ☐ ☐
7. location of boreholes .... ☐ ☐
8. property boundaries of the operation .... ☐ ☐
9. closest residence not associated with operation .... ☐ ☐
10. closest community and major roads (PTH, PR, Municipal Road and Railway etc) .... ☐ ☐

⇒ Design plan to scale including *(see Information Bulletin – Design Objectives for Manure Storage Facilities)*
1. manure storage facility design .... ☐ ☐
2. leak detection system .... ☐ ☐
3. piping .... ☐ ☐
   3.1. location of pipeline(s), manure source(s) and discharge point(s) .... ☐ ☐
   3.2. location(s) and details of cleanouts .... ☐ ☐
   3.3. trench cross-section details .... ☐ ☐
   3.4. water stops on piping .... ☐ ☐
   3.5. check valve .... ☐ ☐
   3.6. gate valve .... ☐ ☐
   3.7. lift station/wet well .... ☐ ☐
4. dike/berm protection details -access ramp/agitation pad .... ☐ ☐
               -inlet discharge .... ☐ ☐
               -inter-cell channel or pipe .... ☐ ☐

⇒ Soil geotechnical report
1. borehole logs (5m minimum depth from floor of proposed storage) .... ☐ ☐
2. load-bearing information (for concrete or steel storages) .... ☐ ☐
3. borrow pit location .... ☐ ☐
4. elevation of groundwater (including date of observation) (m) .... ☐ ☐

⇒ Construction supervision plan .... ☐ ☐

⇒ Availability of sufficient suitable manure spreadfields for new or expanding operations
1. legal description of fields available for manure application specifying legal owner, RM, and acres/parcel (excluding setbacks, soil with >60 ppm Olsen phosphorous & class 6, 7, & unimproved organics) .... ☐ ☐
2. crop rotation and acres associated with each crop .... ☐ ☐
3. spreading agreements .... ☐ ☐
4. demonstrated landbase available ≥ landbase required for manure nutrients ...... ☐ ☐
5. municipal development permit included .... ☐ ☐
6. conditional use order included .... ☐ ☐
7. municipal letter included .... ☐ ☐

⇒ Completeness of application
1. Completed and signed application form .... ☐ ☐