

**LIVESTOCK MANURE AND MORTALITIES
MANAGEMENT REGULATION**

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



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 If Other Provide 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:
Conservation & Water Stewardship
Environmental Approvals Branch
160-123 Main Street, Winnipeg, MB R3C 1A5
Fax 204-945-5229
EnvironmentaEng@gov.mb.ca

www.gov.mb.ca/conservation/envprograms/livestock

PERMIT REQUIRED FOR (check work proposed)

New operation and storage facility

Existing operation - No expansion of livestock inventory, ONLY new storage facility

Existing operation - Expansion of livestock inventory AND expansion of storage facilities

Existing operation - No additional livestock Modification Expansion

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

Manure Conveyance / Lift Station New Modification

TYPE OF FACILITY (check type)

Earthen Concrete Steel Pipeline Lift Station
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 (where the operation is expanding livestock inventories, indicate current and future inventory numbers and types) _____

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

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

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 # _____

PROPOSED CONSTRUCTION PERIOD – MONTH(S) and YEAR _____

Note: Pursuant to Section 6 (9) of the Regulation notification of Environmental Engineering Section is required 5 days **before starting** any construction.

NEW EARTHEN STORAGE FACILITY

Type of construction

Cut & fill Clay liner Plastic liner Specify plastic liner type_____

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	_____	_____	_____

MODIFICATION / EXPANSION OF EARTHEN MANURE STORAGE FACILITY

Existing storage type: Cut & fill Clay liner Plastic liner Specify plastic liner type_____

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 (when constructed, Eng. designed, etc.)

Proposed storage type: Cut & fill Clay liner Plastic liner
Specify plastic liner type_____

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	_____

Modification or expansion

Attach original drawings or "as-is" drawings if original not available

NON-EARTHEN STORAGE INFORMATION

Prefabricated concrete

Custom concrete

Steel

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) _____

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

By signing below I acknowledge that I have 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 _____

FOR DEPARTMENT USE ONLY			
Date received	_____	Reviewed by	_____
Date complete	_____	Date recommended	_____

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, 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.

CHECKLIST

GENERAL NOTES

1. An incomplete application will not be processed until any missing information is received.
2. As of the 2016 construction season, a permit application deadline of August 15 has been established for review of application by September 30.

THE FOLLOWING INFORMATION/ATTACHMENTS ARE REQUIRED

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

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

- ⇒ Demonstrate Access to Sufficient Suitable Spreadfields P NA
1. legal description of manure spread fields (including legal owner and RM)
 2. spreadfield available for application.....
(excluding setbacks, soil with >60ppm Olsen phosphorus & class 6, 7, & unimproved organics)
 3. crop rotation and acres associated with each crop
 4. spreading agreements
 5. landbase calculation for nutrient utilization
- ⇒ Pipeline information
1. location of pipeline(s), manure source(s) and discharge point(s).....
 2. location(s) and details of cleanouts and thrust blocks
 3. cross-section and location details of crossings.....
(railways, municipal road allowance, waterways)
 4. copies of required approval(s) for each crossing (WSD, Railway, DFO, RM, etc.).....
 5. trench cross-section details.....
- ⇒ Site plan to scale showing
1. location of barn(s)
 2. location of manure storage facility.....
 3. location of well(s)/sinkhole(s)/water course(s), etc.....
 4. location of boreholes
 5. property boundaries.....
 6. closest residence not associated with operation
 7. closest community - major roads (P.T.H.'s etc)
 8. objective of leak detection system, complete with corresponding design
 9. site description which includes items 1-7 above
- ⇒ Design plan to scale including
1. manure storage facility design.....
-see *Technical Reference Manual for Manure Storage Structures*
 2. piping from barn.....
 3. all appurtenances.....
 4. dike/berm protection details - access ramp (agitator pump).....
- inlet discharge.....
- inter-connect channel (if applicable).....
 5. soil geotechnical report - borehole logs (5m minimum from floor of proposed storage).....
- load-bearing information (for concrete or steel storages).....
- borrow pit location.....
- elevation of groundwater (including date of observation).....
- comment on seasonal groundwater variability
 6. quality assurance and quality control plan.....
- ⇒ Other information
1. new or expanding operations with 300 or more animal units
- conditional land use order included
 2. new or expanding operations with less than 300 animal units
- municipal development permit included
 3. new or expanding operations
- land title, companies office report, and/or lease agreement included