

**LIVESTOCK MANURE AND MORTALITIES
MANAGEMENT REGULATION**

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

Checklist



GENERAL NOTES

1. An incomplete application will not be processed until any missing information is received.
2. If missing information is not received by October 31st of the proposed construction year, the application will be returned to the applicant and he/she will be required to submit a complete new application.

THE FOLLOWING INFORMATION/ATTACHMENTS ARE REQUIRED

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

Please Check Mark (✓) for all that apply

⇒ Manure application information

1. legal description of manure spread fields (including legal owner and RM)
2. manure spread field acres
3. crop type per spread field (annual, alfalfa, grasses, grass-alfalfa mixtures)
4. soil texture (e.g. light, medium or heavy)
5. time of year of manure application (spring, summer, fall)
6. spreading agreements

⇒ 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, etc)
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
 - not applicable
 - access ramp (agitator pump)
 - inlet discharge
 - inter-connect channel (if applicable)
5. soil geotechnical report
 - borehole logs (if applicable)
 - load-bearing information (for concrete or steel storages)
 - borrow pit (if applicable)
 - elevation of groundwater
6. quality assurance and quality control plan

⇒ Other information

1. new or expanding operations with 300 or more animal units
 - technical review committee report included
 - conditional land use order included
2. new or expanding operations with less than 300 animal units
 - municipal development permit included

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Form



Legal Name of Operation

Mailing Address

Postal Code _____
Email _____

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)

Mailing Address

Postal Code _____
Email _____

Contact Numbers

Affiliate (legal name)

Business Residence Cellular Facsimile

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

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.

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bottom	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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) _____

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 _____

Print name _____