

# Application



**NORTH DAKOTA DEPARTMENT OF HEALTH**  
**Division of Water Quality**  
 Bismarck, ND

SFN 8296 (6/96)

**APPLICATION FOR APPROVAL OF LIVESTOCK WASTE SYSTEM**

NAME OF APPLICANT: Rolling Green Family Farms RE, LLP  
 INDIVIDUAL \_\_\_\_\_ LIMITED LIABILITY PARTNERSHIP X PARTNERSHIP \_\_\_\_\_

NAME OF LIVESTOCK OPERATION: Rolling Green Family Farms RE, LLP

ADDRESS OF OWNER OR APPLICANT: 1300 S. Hwy 75,  
 (RR, STREET, or PO Box No.)  
Pipestone, MN 56164 507-825-4211 (City)  
 (Zip Code) (Telephone No.)

LOCATION OF LIVESTOCK ENTERPRISE: (Legal Land Description)  
SE 1/4 NW 1/4 Section 4 Township 139 - N Range 54 - W  
 County Cass County Lat. 46° 53'5" Long. 97°30'22"  
 (If available)

TYPE OF FACILITY:  
 (a) Existing 0 Planned 9,056 hd sow facility Addition \_\_\_\_\_  
 (b) Confined in barn 9,056 hd total Have access to outside lot 0  
 (c) Unpaved or dirt 0 Hard surfaced 0  
 Other 0

TYPE AND NUMBER OF LIVESTOCK:  
 Days/year livestock concentrated on-site: 365 days (for example, Dec. - May, 180 days)  
 Existing number, and maximum number of livestock at the facility:

Existing Number	Maximum Design Number	Type	Average Weight
<u>0</u>	<u>800</u>	<u>Nursery Pigs</u>	<u>45 lbs</u>
<u>0</u>	<u>1,344</u>	<u>Farrowing Sows</u>	<u>400 lbs.</u>
<u>0</u>	<u>5,312</u>	<u>Gestation Sows</u>	<u>400 lbs.</u>
<u>0</u>	<u>1,600</u>	<u>Finish Pigs</u>	<u>150 lbs.</u>

**BASIC INFORMATION:**

List area of any outside livestock lots: 0 acres.

Area contributing surface flow from outside the lot (not diverted): 0.0 acres.

Is the runoff from a 25-year/24-hour rain event contained on the property:

N/A (This varies across the State from 3.5 to 4.1 in. of rain).

Soil type at waste storage site and livestock lot: (From soil investigation)

Sandy lean clay (CL) and silty sand (SM), Sandy Silt (ML), Clay Sand (SC)

Depth from ground surface to the seasonal high water table at:

Isolation Barn 5.5 ft Gestation Barn 4.7 ft Farrowing Barn 7.6 ft

This was determined by: (check one) Soil boring X Estimate     

How much land is available for disposing of waste: 3,420.9 (3,312.4 after setbacks) acres.

How will dead animals be disposed of? Composting

The maps and site information submitted should be as detailed and accurate as possible. Incomplete information may result in delays with the approval, or future problems at the site.

A. Submit the following information with this application form:

1. A topographic map of the area with at least a two-mile radius. (See Section 3, Map A & B)
2. A current map of the area with at least a two-mile radius that has the following marked to the best of your knowledge: (See Section 3, Map A & B)
  - a. All inhabitable farms or dwellings. (See Section 3, Map A & B)
  - b. All land within this two-mile radius on which waste will be applied. (See Section 3, Map A & B)
  - c. Any livestock waste ponds and dugouts. (See Section 3, Map A & B)
  - d. Any well within 1/4 mile and any public or irrigation wells within 2 miles. Also, list any abandoned wells you are aware of and their status. (See Section 3, Map A & B)
  - e. If dead animals are disposed of on-site, indicate on the map where this is done. (N/A)
3. A sketch of the facility site with the following information: (See Section 4)
  - a. Dimensions and distances, include depth of wells on-site. (See Section 4, Page 3)
  - b. All existing and proposed structures, with labels (e.g., barns, diversions, fences). (See Sect. 4, Pg.3)
  - c. Identify drainage patterns through the facility site. (See Section 4, Pages 3 & 4)

B. Please check on the following information and, if it is available, include it when submitting this application:

1. Any applicable zoning requirements (city, county, township). *(See Section 6)*
2. Any water quality information you are aware of, such as: *(See Section 7)*
  - a. Well water quality analyses. *(See Section 7)*
  - b. Surface water analyses (stock ponds, creeks, etc.). *(See Section 7)*
  - c. Analyses of livestock waste or runoff. *(See Section 7)*
3. Any geologic/hydraulic or soils information you are aware of: *(See Section 8)*
  - a. Well logs for wells at the facility. *(See Section 8)*
  - b. Geologic, ground water, or surface water studies done in the area and who did the studies. *(See Sect. 8)*
  - c. Personal observation (gravel pits, wetlands, etc.). *(See Section 8)*

C. Give a brief description of the proposed livestock waste system, including how waste and/or runoff will be collected, stored, and land applied. Indicate if waste is incorporated into the soil and, if so, how is this done. (Use a separate sheet, if necessary).

*(See Section 3.1) The facility will be an 9,056 head swine sow facility. The farrowing facility will utilize total slatted floors which will discharge waste into a pit recharge system that will drain into the gestation pit. The gestation barns and the isolation barns are total slatted barns that drain into concrete pits. The concrete pits will store over 365 days of waste from the facility's barns. The waste from the facility will be disposed of on surrounding cropland via an injection applicator system at agronomic rates*

I certify that, to the best of my knowledge, this information is correct and accurate.

  
(Applicant Signature)

11-25-15  
(Date)

**APPLICATION FOR PRELIMINARY APPROVAL OF A LIVESTOCK WASTE SYSTEM:**

The Department of Health has the responsibility to review and approve concentrated livestock facilities to ensure surface and ground waters are protected from pollution by livestock waste. The first step to initiate the evaluation process is to complete this application form and return it to the Department with the information requested.

The application should be completed as accurately and completely as possible. Incomplete information will slow down the process. If you have any questions, contact the Department at 701-328-5219 for assistance.

**ABOUT THE APPLICATION:**

The application requests information on the proposed facility location, size, and other operational information. Maps with the information requested may be available at various places such as your County Extension Office, or the County Auditors Office. Soils information may be found at your local Natural Resources Conservation Service (NRCS) Office.

If you cannot find all the information requested, you can contact the Health Department for assistance. Please be sure all of the information requested is included with the application.

PART A: Requests maps and sketches. Please make sure all requested information is clearly marked. If waste is to be applied to a neighbor's land, indicate whether a signed or verbal agreement has been made.

PART B: Requests information that you may personally be aware of. You do not need to collect any new data. If a ground water, surface water, or geologic study was completed in the area, indicate when the study was done and who did it. The Department can then get the data collected from the study.

PART C: This gives us an overview of the operation, including how waste is land applied, as well as provide information on any unique features at the site. We encourage producers to test the waste for nutrient content so it can be applied according to the needs of the crop being grown. Over-applying waste can lead to nitrogen being leached into the ground water or waste and nutrients being washed off the field and into lakes or streams.

**FINAL APPROVAL:**

The Department will review the application and respond with an evaluation of the site, including any areas of concern for surface or ground water impacts. This is done to allow operators to address areas of water quality concerns in the facility design. This detailed design plan of the facility and livestock waste system should then be submitted to the Department. It must include specifics on the volume of waste produced, the volume of waste that can be stored, dimensions of the storage structure, diversions, and embankments and also include method and rate waste is land applied. An operation and maintenance plan should be included to ensure the waste storage facility does not overflow and that waste is properly land applied.

If the final detailed design plan is already completed when submitting the application, it can be submitted, along with this preliminary application.