



**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: \_\_\_\_\_  
 INDIVIDUAL \_\_\_\_\_ COOPERATIVE \_\_\_\_\_ PARTNERSHIP \_\_\_\_\_

NAME OF LIVESTOCK OPERATION: \_\_\_\_\_

ADDRESS OF OWNER OR APPLICANT: \_\_\_\_\_  
 (RR, Street, or PO Box No.)  
 \_\_\_\_\_  
 (City) (Zip Code) (Telephone No.)

LOCATION OF LIVESTOCK ENTERPRISE: (Legal Land Description)  
 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
 County \_\_\_\_\_ Lat. \_\_\_\_\_ Long. \_\_\_\_\_  
 (If available)

TYPE OF FACILITY:  
 (a) Existing \_\_\_\_\_ Planned \_\_\_\_\_ Addition \_\_\_\_\_  
 (b) Confined in barn \_\_\_\_\_ Have access to outside lot \_\_\_\_\_  
 (c) Unpaved or dirt \_\_\_\_\_ Hard surfaced \_\_\_\_\_ Other \_\_\_\_\_

TYPE AND NUMBER OF LIVESTOCK:  
 Days/year livestock concentrated on-site: \_\_\_\_\_  
 (for example, Dec. - May, 180 days)

Existing number, and maximum number of livestock at the facility:

	Existing Number	Maximum Design Number	Type	Average Weight
ex.	130	250	Beef Cattle	1,200 lbs.
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____

**BASIC INFORMATION:**

List the area of any outside livestock lots: \_\_\_\_\_ acres.

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

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

\_\_\_\_\_ (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 survey)

\_\_\_\_\_

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

Waste storage site \_\_\_\_\_

Livestock holding area \_\_\_\_\_

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

How much land is available for disposing of waste: \_\_\_\_\_ acres.

How will dead animals be disposed of? \_\_\_\_\_

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.
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:
  - a. All inhabitable farms or dwellings.
  - b. All land within this two-mile radius on which waste will be applied.
  - c. Any livestock waste ponds and dugouts.
  - 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.
  - e. If dead animals are disposed of on-site, indicate on the map where this is done.
3. A sketch of the facility site with the following information:
  - a. Dimensions and distances, include depth of wells on-site.
  - b. All existing and proposed structures, with labels (e.g., barns, diversions, fences).
  - c. Identify drainage patterns through the facility site.

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

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).

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

\_\_\_\_\_

(Applicant Signature)

\_\_\_\_\_

(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.