

Approval to Operate

APPROVAL TO OPERATE

A Concentrated Livestock Operation

In compliance with Chapter 33-16-03.1 of the North Dakota Department of Health rules as promulgated under Chapters 61-28 and 23-25 of North Dakota Century Code (NDCC), approval of the **Rolling Green Family Farms RE, LLP** livestock facility located in the SE ¼ of the NW ¼ of Section 4, Township 139 N, Range 54 W, in Cass County, North Dakota is granted provided the following conditions are met:

1. The application indicated the facility will house **800 nursery pigs, 1,344 farrowing sows, 5,312 Gestation sows, and 1,600 finishing pigs**. The Department must be notified in writing if there is an expansion in the number of livestock, change in ownership of the facility, significant changes in the physical operation of the facility or if the lot area where livestock are concentrated is expanded. Changes may require an update to the approval or issuance of a new approval.
2. Operation and Maintenance plans and standard operating procedures must be followed as submitted to the department. Changes to the Operation and Maintenance plan must be approved by the Department prior to being implemented. There must be regular and adequate maintenance and upkeep to prevent degradation of the structures, to ensure the system continues to operate as designed, to ensure the storage pond does not overflow, and to ensure manure or waste water does not discharge into waters of the state. Operation and maintenance plans mean description of the equipment, methods, and schedules for: inspection, monitoring, operation and maintenance of the animal feeding operation (manure storage structures, water pollution control structures, and the production area); and controlling water pollution and air pollution including odors to protect the environment and public health. (Design manual, 6.7, page 42)
3. Notice of Completion and all results of testing completed on the clay liner or the manure storage structures must be sent to the Department when construction is complete.
4. All embankments must be constructed of relatively impervious materials and compacted sufficiently to form a stable structure. An appropriate liner material must be used to prevent excess seepage from the storage pond. Seepage from the storage pond shall not exceed 1/16 inch per day, and shall not detrimentally impact waters of the state.
5. Dead animals must be disposed of in accordance with NDCC section 36-14-19, in a manner acceptable to the North Dakota Board of Animal Health, and so they will not impact waters of the state
6. Land application of manure must be in accordance with the nutrient management plan. Manure must be applied in a manner so it will not be washed into waters of the state. The Department will require injection or incorporation of the manure within 8 hours of land application. A buffer distance should be maintained to

prevent impacts to waters of the state or impacts from odors.

7. The following records pertaining to nutrient management must be maintained for a minimum of 5 years. The crops grown and expected realistic crop yields; the date(s) manure, litter or process wastewater is applied to each field; weather conditions during application, 24 hours prior and following application; test methods used to sample and analyze manure, litter, wastewater and soil; results from annual testing of manure, litter, and process wastewater, and annual soil sample results for land where manure was applied that year; an explanation of how the application rates were determined in accordance with standards established by the department; calculations showing nutrients applied to each field, including other nutrient sources; total amount of nutrients actually applied to each field, including documentation of calculations for the total amount applied; method used to apply the manure, litter or process wastewater; inspection of manure application equipment including method, frequency, dates and repairs made if leaks were found; and setbacks, vegetated buffers or other alternative practices used when land applying manure near surface water or potential conduits to surface water. (Design manual, 7.7, number 2, page 49)
8. If manure is transferred to other persons or entities not associated with the facility, the following conditions shall apply: owners/operators shall provide the recipient of the manure, litter or process wastewater with the most current nutrient analysis prior to transfer; the analysis provided shall be consistent with the requirements of section 7.4 in design manual; and the owners/operators of the CAFO shall retain records for five years after the transfer date documenting the recipient's name and address, the approximate amount of manure transferred, and the date the manure was transferred. (Design manual, 7.7, number 3, page 50)
9. The owner/operator of a CAFO shall conduct the following routine visual inspections of the production area: weekly inspections of all storm water diversion devices, runoff diversion structures and devices channeling runoff to the manure storage structure; daily inspection of water lines, including drinking water or cooling water lines; and weekly inspections of the manure storage structures noting the level of liquid in the structure as indicated by the depth marker. Also, weekly inspections of the drain tile sump.
10. All open storage structures shall: maintain a depth marker which clearly indicates the minimum capacity necessary to contain the runoff and direct precipitation from a 25-year, 24-hour rainfall event.
11. Any deficiencies discovered during the inspections shall be corrected as soon as possible; chemicals or other contaminants handled on site shall not be disposed of in a structure used for storage or treatment of manure, process wastewater or stormwater unless it is specifically designed for that purpose; and the operator of a livestock facility requiring a permit should maintain a rain gauge at the production area and record measurable rainfall events. (Design manual, 6.2, page 40)
12. The owner/operator of a CAFO must make the following records available to the department for review upon request: records documenting the visual inspections;

weekly records of the depth of the manure and process wastewater in the liquid manure storage structure as indicated by the depth gauge in storage structure; records documenting any actions taken to correct deficiencies; deficiencies not corrected within 30 days must be accompanied by an explanation of the factors preventing immediate correction; records of management and practices used; record documenting current design of any manure storage structures, including solids accumulation volume, design treatment volume, total design volume and the approximate number of days of storage capacity; records of the date, time and estimated volume of any overflow; and records documenting the land application of manure. (Design manual, 6.5, page 41)

13. The owner/operator of a CAFO shall submit an annual report which includes: the number and type of animals whether in open lots or confined under roof; estimated amount of total manure generated in the previous 12 months; estimated amount of total manure transferred to another party in the previous 12 months; total number of acres for land application covered by the Nutrient Management Plan; person who prepared the Nutrient Management Plan; total number of acres under the control of the facility that were used for land application of manure in the previous 12 months; summary of all manure discharges from the production area that have occurred including date, time, and approximate volume. (Design manual, 6.6, page 42)
14. This approval shall in no way permit or authorize the discharge of any objectionable odorous air contaminant which is in excess of the limits established in North Dakota Administrative Code Ch. 33-15-16 of the North Dakota Air Pollution Control Rules. If the Department determines odors from the facility exceed limits, appropriate steps will be required, within a reasonable time, to control and reduce odors from the facility site. This may include requiring the installation of a cover on the ponds or other odor control measures.
15. This approval shall in no way permit or authorize the maintenance of a public nuisance or danger to public health or safety.
16. There must be regular and adequate maintenance and upkeep to prevent degradation of the structures, to ensure the system continues to operate as designed, to ensure the containment system does not overflow, and to ensure manure or waste water does not discharge into waters of the state.
17. The Department must be notified if there is a change in address or other contact information for the facility.
18. The facility must maintain adequate storage capacity to contain a 100-year, 24 hour storm event.
19. Annual groundwater monitoring at the facility of the drain tile sump as specified by the Department. If groundwater monitoring indicates that the facility is detrimentally impacting groundwater, the facility will need to take corrective action to prevent groundwater impacts.

The above conditions are considered part of the proper operation of the facility. If any of the above conditions are not met, the Department must be notified in writing, within five (5) days. Any noncompliance with the approval conditions or with state requirements must be reported to the Department as soon as possible after the facility becomes aware of the noncompliance condition. Failure to meet these requirements may result in monetary fines and/or revocation of this approval to operate.

Permission to begin construction becomes effective upon signature of this Approval by the Department. The approval is based on construction being completed as per the design plans reviewed by the Department. If any structural changes are made that are different than these design plan, the Department must be notified in writing, prior to making these changes.

Authorized Department personnel shall be permitted access to the facility to determine compliance with Department rules and regulations. Department inspections will abide by all security measures implemented by the owner or operator to protect the health and safety of the workers and animals at the facility.

The owner/operator of this facility shall comply with all State and Federal environmental laws and rules, and shall also comply with all local building, fire, zoning and other applicable ordinances, codes, and rules.

This approval becomes effective when construction is completed and Notice of Completion and results of testing completed on the clay liner or the manure storage structures are received by the Department.

I certify that I have read and understand the above information and agree to operate the facility in a manner that will meet all the conditions listed herein.

OWNER/OPERATOR CONSENT

FOR THE NORTH DAKOTA
DEPARTMENT OF HEALTH

By _____
(signature)

By _____

By _____
(print name here)

By Director
Water Quality Division

Date _____

Date _____