



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

June 27, 2016

Jerry Wipf
Heartland Hutterian Brethren Inc.
2171 100th Street
Lake Benton, MN 56147

Dear Mr. Wipf:

You have completed the requirements to obtain permit coverage under South Dakota General Water Pollution Control Permit for Concentrated Animal Feeding Operations. I am granting coverage under the permit for your land application activities in South Dakota and have enclosed a copy of the permit with your **permit number SDG-0100518**. Please refer to this permit number in any future permit correspondence. You are required to operate in compliance with the terms and conditions of this permit for your land application activities in South Dakota.

The submitted phosphorus-based NMP is for a portion of the solid manure from your Minnesota based operations to be land applied on South Dakota fields. Your manure management system is located in the Southeast $\frac{1}{4}$ of Section 9, Township 108 North, Range 45 West in Pipestone County, Minnesota, and is permitted for a maximum of 72,000 turkeys, 6,000 broiler chickens, and 700 layer chickens.

The submitted phosphorus-based NMP included a total of seven fields, of which four did not have manure application agreements with the land owner of record at the Brookings County Director of Equalization. These fields will not be included in your approved NMP until the department receives manure application agreements with the landowner of record, or updated information indicating the Colony is the owner of the fields. You may not apply manure to fields that are not included in your approved NMP.

Should you decide to build an animal feeding operation or a permanent stockpiling site for your operation in South Dakota, plans and specifications must be submitted to South Dakota Department of Environment and Natural Resources for review and approval of your manure management system. The plans and specifications must be approved by this department prior to any construction. Failure to do so is a violation of your permit.

Jerry Wipf
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Please review the buffer zone requirements in the general permit and on the land application maps included with the nutrient management plan in Appendix D of the enclosed permit prior to land applying manure.

Your permit is inside the Producer Handbook I am sending you. The Producer Handbook was developed to assist you in meeting the requirements of the General Permit. Using this book will help you manage the documents and paperwork that you will need to complete and retain while operating your animal feeding operation. The book contains forms that you can use to comply with the permit's requirements and is organized to give you a place to put other required information like soil and manure testing lab report forms. You are only required by DENR to keep the land application inspection and nutrient plan records required by the general permit. You are required to keep all records for a minimum of five years. When submitting your annual report it is only necessary to report on the fields located in South Dakota to which manure was applied.

It is not mandatory that you use this handbook. However, it will assist you in organizing and maintaining the records that you are required to by the General Permit.

We would like to thank you for your cooperation in ensuring protection of South Dakota natural resources. The department encourages you to remain in compliance by properly land applying manure in South Dakota.

Sincerely,



Kent R. Woodmansey, P.E., Engineering Manager
Feedlot Permit Program

cc: Brookings County Commissioners
Moody County Commissioners
Ben Crowell, MPCA - Marshall, 504 Fairgrounds Road, Suite 200, Marshall, MN 56258
Kyle Krier, Pipestone County CFO, 119 2nd Ave SW #13, Pipestone, MN 56164
Pipestone County Minnesota Commissioners

Heartland Colony Approved Field List

June 27, 2016

All fields require a zero to two foot soil test prior to manure application. The fields identified as being located over a shallow aquifer are shaded in the following tables and have additional soil testing requirements. For these fields, soil tests are required from zero to two feet **and** two to four feet prior to manure application. Please refer to section 1.4.4.4., beginning on page 29 of the general permit for the annual nutrient management requirements.

For fields that require additional soil testing from 2 to 4 feet, you have the option to either conduct the initial 0 to 2-foot and the 2 to 4-foot soil test prior to land application of manure or the alternative option to conduct the initial 0 to 2-foot soil test prior to manure application and a second 0 to 2-foot soil test within four weeks after harvesting the crop. Please refer to section 1.4.4.4., beginning on page 29 of the general permit, for the annual nutrient management requirements. **You must notify the department in writing if you plan to use the post-harvest soil sampling option.**

Based on the initial field information submitted for the field listed in Table 1, manure application may be based on nitrogen need as determined from the table on page 29 of the general permit. **However, before manure or wastewater can be applied to these fields, you must have a current soil test and use the table on page 29 of the permit to determine whether the field fits into a nitrogen need, phosphorus crop removal, or no application category based on the current phosphorus level of the field.**

Table 1 – Heartland Colony Nitrogen-Based Nutrient Management Plan Fields							
CPA-7 Line #	Field or Tract #	County	Legal Description	Acres		Soil Sampling	
				Total	Available	0-2'	Additional
1	South Pivots	Brookings	N ½, Section 4, T108N, R47W	215.0	211.8	Yes	Yes
3	Center Pivot	Brookings	SW ¼ and W ½ of SE ¼, Section 10, T109N, R47W	206.6	196.5	Yes	Yes
Total Acres:				421.6	408.3		

Please note in your phosphorus-based NMP the estimated time it will take to build the listed fields up to 50 parts per million (ppm) (Olsen test) or 75 ppm (Bray-1 test) of phosphorus. You may need additional land in order to apply manure to your fields based on phosphorus crop removal at that time.

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Based on the initial field information submitted for the field listed in Table 2, manure application must be based on crop removal of phosphorus. The manure application rate must be based on phosphorus removal in the harvested portion of the crop. However, manure application to these fields may be based on multi-year phosphorus crop removal but cannot exceed the one year nitrogen crop need and no more manure can be applied to these fields again until the applied phosphorus has been removed through crop removal. **Before manure or wastewater can be applied to these fields, you must have a current soil test and use the table on page 29 of the permit to determine whether the field fits into a nitrogen need, phosphorus crop removal, or no application category based on the current phosphorus level of the field.**

Table 2 - Heartland Colony Phosphorus-Based Nutrient Management Plan Fields							
CPA-7 Line #	Field or Tract #	County	Legal Description	Acres		Soil Sampling	
				Total	Available	0-2'	Additional
2	North Pivot	Brookings	SE ¼, Section 4, T109N, R47W	148.1	120.7	Yes	Yes
Total Acres:				734.2	673.3		