



DENR
SOUTH DAKOTA

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

July 27, 2020

Jim Stahl
Norfeld Hutterian Brethren, Inc. (HBI) Swine Operation
20426 482nd Avenue
White, SD 57276

Re: Revised Phosphorus-Based Nutrient Management Plan (NMP)

Dear Mr. Stahl:

The Department of Environment and Natural Resources (DENR) received your request to remove the fields listed in Table 1 from your approved phosphorus-based NMP and add the fields listed in Table 2 your approved phosphorus-based NMP. Your existing phosphorus-based NMP is part of your application for coverage under the *2003 General Water Pollution Control Permit for Concentrated Animal Feeding Operations* (general permit). Your animal feeding operation was originally approved on November 14, 1996, and permitted on August 7, 1997, (**general permit # SDG-0100098**). The permit was transferred to Norfeld HBI on July 28, 2004.

Table 1 - Fields Being Removed from NMP					
Field #	County	Legal Description	Available Acres	Soil Sampling Requirements	
				0-2 feet	Additional
5 (old)	Brookings	SE ¼, Section 23, T111N, R48W	19.1	Yes	No
14	Brookings	SW ¼, Section 26, T111N, R48W	12.3	Yes	Yes
15	Brookings	SE ¼, Section 26, T111N, R48W	29.6	Yes	Yes
19	Brookings	NW ¼, Section 34, T111N, R48W	52.0	Yes	Yes
22	Brookings	NW ¼, Section 24, T111N, R48W	97.6	Yes	No

We are approving the field removal and are removing *Fields 5 (old), 14, 15, 19, and 22* from your approved phosphorus-based NMP.

Table 2 - Fields Being Added to NMP					
Field #	County	Legal Description	Available Acres	Soil Sampling Requirements	
				0-2 feet	Additional
5	Brookings	SE ¼, Sec. 20, T111N, R48W	137.4	Yes	No
6	Brookings	SW ¼, Sec. 21, T111N, R48W	141.3	Yes	No

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We are also approving the proposed field addition and are including *Fields 5 and 6* in your approved phosphorus-based NMP. With the removal of *Fields 5 (old), 14, 15, 19, and 22*, and the addition of *Fields 5 and 6*, you still have adequate land available in your NMP to meet the permit requirements. **Please put one copy of the approved field information in Appendix D of your copy of the permit.** You are required to comply with the terms and conditions of your permit.

We have received your permit application for state permit coverage under the 2017 *General Water Pollution Control Permit for Concentrated Animal Feeding Operations* (2017 general permit) and your application is currently under review. Until permit coverage is issued under the 2017 general permit, you may continue to use your currently approved NMP for the land application of manure and wastewater from your operation in compliance with your coverage under the 2003 general permit. **If you would like the new fields to be included in the permit application for the 2017 general permit, an amended NMP which includes the necessary field information and updated spreadsheets will need to be submitted to the department for review and approval.**

You are also responsible for contacting the local planning and zoning office in the county where manure application will take place to determine if there are any local ordinances or requirements with which you need to comply.

All of the new fields will require soil tests from zero to two feet prior to manure application.

To add fields to your approved phosphorus-based NMP, you must submit the required information for each additional field to the department for our review and approval. Information on adding fields to your approved phosphorus-based NMP may be obtained from your local Natural Resources Conservation Service (NRCS) office. You may also contact us for assistance at (605) 773-3351, or visit our website at <http://denr.sd.gov/des/fp/fieldadditions.aspx> for instructions on adding fields. **You may not apply manure to any fields not included in your approved phosphorus-based NMP.**

If manure application will involve placing hoses or other equipment in a state highway right of way (for example, in a road ditch or through a culvert), you must first obtain a Permit to Occupy Right of Way. Application for this permit may be made through the local South Dakota Department of Transportation area office. Contact your local SD DOT area office for more information on this permit. In addition, please contact your county highway superintendent to determine if your county has similar requirements.

One copy of the field information is being retained for our files. The attached field list is an updated listing of the fields that are currently approved for manure or wastewater application. The attached map shows the location of each field. Please review this information and notify the department if any of the information is incorrect. If the enclosed field list and map are correct, please place them in your NMP.

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If you have any questions regarding the content of this letter, please feel free to contact Aviana Knochel, Feedlot Permit Program at (605) 773-3351. Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink, appearing to read 'Paul N. Wegleitner', with a long horizontal flourish extending to the right.

Paul N. Wegleitner
Natural Resources Project Engineer
Feedlot Permit Program

cc: Brookings County Commissioners
Kevin Banken, CENTROL, Brookings, SD

Enclosures: Field List
Field Map

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 0 to 2 feet and 2 to 4 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 fields 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 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 – Norfeld Colony Swine Operation Nitrogen-Based Nutrient Management Plan Fields							
Line #	Field or Tract #	County	Legal Description	Acres		Soil Sampling	
				Total	Available	0-2'	Additional
1	1	Brookings	SW ¼, Section 14, T111N, R48W	135.0	130.0	Yes	No
2	2	Brookings	SE ¼, Section 14, T111N, R48W	145.0	143.0	Yes	No
3	3	Brookings	NE ¼, Section 15, T111N, R48W	153.6	150.6	Yes	No
4	4	Brookings	SE ¼, Section 15, T111N, R48W	134.7	123.7	Yes	No
5	5	Brookings	SE ¼, Section 20, T111N, R48W	137.4	137.4	Yes	No
6	6	Brookings	SW ¼, Section 21, T111N, R48W	151.3	141.3	Yes	No
9	9	Brookings	NW ¼ and W ½ NE ¼, Section 12, T111N, R48W	211.0	196.9	Yes	No
16	16	Brookings	SE ¼, Section 27, T111N, R48W	121.1	108.0	Yes	Yes
17	17	Brookings	SE ¼, Section 10, T111N, R48W	148.5	128.2	Yes	No
21	21	Brookings	SW ¼, Section 13, T111N, R48W	75.0	64.7	Yes	No
23	23	Brookings	NW ¼, Section 28, T111N, R48W	135.0	125.0	Yes	No
24	24	Brookings	SW ¼, Section 10, T111N, R48W	159.0	145.4	Yes	No
25	25	Brookings	W ½ of SW ¼, Section 11, T111N, R48W	76.6	70.2	Yes	No
26	26	Brookings	SW ¼, Section 12, T111N, R48W	130.0	123.0	Yes	No
Total Acres:				1,913.2	1,787.4		

Norfeld Colony Swine Operation Approved Field List

July 27, 2020

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.

Approved Land Application Sites for Norfeld Colony Swine Operation



<p>Legend</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Additional Sampling <input type="checkbox"/> 0' - 2' Sampling 	<p>FACILITY: Norfeld Colony Swine Operation</p> <p>PERMIT NUMBER: SDG-0100098</p>
<p>Scale</p> <p>0 1 2 Miles</p>	<p>LEGAL DESCRIPTION: Southeast 1/4 of Section 27, Township 111 North, Range 48 West</p> <p>COUNTY: Brookings</p> <p>DATE: July 2020</p>
<p>South Dakota Department of Environment and Natural Resources</p> <p>Protecting South Dakota's Treasures Today</p>	<p>Note: Field Locations are approximate within the 1/4 section and should be verified with field maps submitted by the producer.</p>