

**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

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

denr.sd.gov

July 7, 2020

Joseph Stahl  
Norfeld Hutterian Brethren, Inc. (North Site)  
20426 482nd Avenue  
White, SD 57276

Re: Revised Nutrient Management Plan (NMP)

Dear Mr. Stahl:

The Department of Environment and Natural Resources (DENR) received your request to add the fields listed in the following table to your approved nutrient management plan (NMP). Your existing NMP is part of your application for state permit coverage under the 2017 *General Water Pollution Control Permit for Concentrated Animal Feeding Operations* (general permit). Your animal feeding operation was originally approved on June 9, 2006, and permitted on October 22, 2008. You received state permit coverage under the 2017 general permit on December 10, 2018 (**State Permit # SDG-100456**).

Fields Being Added to NMP					
Field #	County	Legal Description	Available Acres	Soil Sampling Requirements	
				0-2 feet	Additional
2	Brookings	NW ¼, Sec. 21, T111N, R48W	135.1	Yes	No
3	Brookings	SE ¼, Sec. 3, T111N, R48W	156.1	Yes	No

*Fields 2 and 3* are not located within ¼ mile of a stream where Topeka shiners have been observed or have potentially occupied according to the U.S. Fish and Wildlife Service and are not identified as a winter or emergency manure application area.

Currently, *Fields 1, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 23* are identified as winter or emergency manure application areas. The winter or emergency manure application maps identify the appropriate setbacks that need to be excluded from land application when the soil is saturated, snow-covered, or frozen and land application is absolutely necessary. Please refer to Section 1.4.4.1.t., beginning on page 31 of the general permit for the requirements for manure application on saturated, snow covered, or frozen soil. **You should notify the department and review the winter/emergency field maps prior to land applying during these soil conditions.**

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We are approving the modifications and are including *Fields 2 and 3* in your approved NMP. **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.

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.

As part of your annual nutrient management planning requirements, soil and manure tests must be analyzed by certified soil testing and manure testing labs. The laboratory analyzing the soil samples must participate in the **North American Proficiency Testing Programs' Proficiency Assessment Program** and the labs that are currently certified are listed on the following website: <http://www.naptprogram.org/pap>. The laboratory analyzing the manure or process wastewater must be certified by the **Manure Testing Laboratory Certification Program** and the manure testing labs that are currently certified are listed on the following website: <http://www2.mda.state.mn.us/webapp/lis/manurelabs.jsp>.

If you or your crop consultant sends your soil or manure samples to a lab that is not listed on either of these websites, you and/or crop consultant may want to tell them that you need to use a certified lab so they can become certified.

The land application sites must be located at least 150 feet from a private well owned by you, 250 feet from a private well not owned by you and 1,000 feet from any public supply well or other public drinking water source. These setback distances from identified wells cannot be included as part of the land application acreage. Buffer zones are also required around any natural or manmade drainages or wetlands. Please review the buffer zone requirements on the land application maps included with the nutrient management plan in Appendix D of your permit prior to land applying manure.

If a mobile land application system using temporary piping will be used for the land application of liquid manure or process wastewater, the equipment must be equipped with an on-board radio controller and flow meter that can be overseen by the applicator. See Section 1.4.4.1.m. on page 30 of the 2017 general permit for more information on this requirement.

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 NMP.**

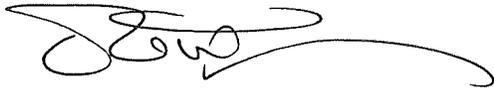
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If manure application will involve placing hoses or other equipment in a state highway right of way (for example, in a road ditch or through a culvert), you must first obtain a Permit to Occupy Right of Way. Application for this permit may be made 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.

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,



Paul N. Wegleitner  
Natural Resources Project Engineer  
Feedlot Permit Program

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

Enclosures: Field List  
Field Map

# Norfeld Hutterian Brethren, Inc. (North Site) Approved Field List

July 7, 2020

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 Table 1 below 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.

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 1.4.4.3., beginning on page 35 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.**

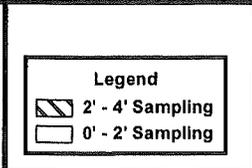
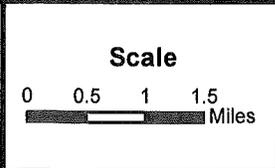
The fields listed in Table 1 below are approved for the land application of manure or process wastewater. **Before manure or wastewater can be applied to these fields, you must have a current soil test and use the table on page 34 of the 2017 general permit to determine whether the field fits into a nitrogen need, one-year phosphorus crop removal, five-year phosphorus crop removal, or no application category based on the current phosphorus level of the field and the predicted annual erosion.** Please refer to the table on page 34 and the annual nutrient management requirements beginning on page 35 of the 2017 general permit prior to the land application of manure to determine the proper procedure for calculating the appropriate application rate for each specific field.

Table 1 – Norfeld Hutterian Brethren North Site Approved Nutrient Management Plan Fields							
Line #	Field or Tract #	County	Legal Description	Acres		Soil Sampling	
				Total	Available	0-2'	Additional
1	1	Brookings	N ½, Sec. 14, T111N, R48W	176.6	169.6	Yes	No
2	2	Brookings	NW ¼, Sec. 21, T111N, R48W	147.1	135.1	Yes	No
3	3	Brookings	SE ¼, Sec. 3, T111N, R48W	156.1	156.1	Yes	No
4	4	Brookings	NW ¼, Sec. 2, T111N, R48W	157.7	157.2	Yes	No
6	6	Brookings	SE ¼, Sec. 11, T111N, R48W	243.9	239.9	Yes	No
7	7	Brookings	W ½, Sec. 1, T111N, R48W	311.6	311.6	Yes	No
8	8	Brookings	SW ¼, Sec. 3, T111N, R48W	155.7	151.7	Yes	No
9	9	Brookings	SW ¼, Sec. 2, T111N, R48W	153.7	135.7	Yes	No
10	10	Brookings	NW ¼, Sec. 10, T111N, R48W	75.3	70.3	Yes	No
11	11	Brookings	NE ¼, Sec. 9, T111N, R48W	83.6	83.6	Yes	Yes
12	12	Brookings	SE ¼, Sec. 9, T111N, R48W	114.5	114.5	Yes	Yes
13	13	Brookings	NE ¼, Sec. 16, T111N, R48W	59.4	58.4	Yes	Yes
14	14	Brookings	SW ¼, Sec. 16, T111N, R48W	37.7	37.2	Yes	Yes
15	15	Brookings	SW ¼, Sec. 15, T111N, R48W	70.6	68.6	Yes	No
16	16	Brookings	NW ¼, Sec. 15, T111N, R48W	66.8	66.3	Yes	No
17	17	Brookings	SE ¼, Sec. 34, T112N, R48W	155.8	149.8	Yes	No
18	18	Brookings	E ½, Sec. 21, T111N, R48W	178.1	175.1	Yes	No

Table 1 – Norfeld Hutterian Brethren North Site Approved Nutrient Management Plan Fields							
Line #	Field or Tract #	County	Legal Description	Acres		Soil Sampling	
				Total	Available	0-2'	Additional
19	19	Brookings	NW ¼, Sec. 22, T111N, R48W	57.3	57.3	Yes	No
20	20	Brookings	S ½, Sec. 3, T110N, R48W	78.6	78.6	Yes	No
21	21	Brookings	S ½, Sec. 4, T110N, R48W	81.0	81.0	Yes	Yes
22	22	Brookings	S ½, Sec. 2, T109N, R48W	261.2	256.2	Yes	Yes
23	23	Brookings	NW ¼, Sec. 9, T111N, R48W	148.2	145.2	Yes	No
<b>Total Acres:</b>				<b>2,970.5</b>	<b>2,899.0</b>		

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.

# Norfeld Hutterian Brethren, Inc. (North Site)



<b>FACILITY NAME:</b> Norfeld Hutterian Brethren, Inc. (North Site)		<b>COUNTY:</b> Brookings
<b>LEGAL DESCRIPTION:</b> NE 1/4, Section 14, Township 111 North, Range 48 West		
<b>PERMIT NUMBER:</b> SDG-100466		<b>DATE:</b> July 2020
<p>Note: Field Locations are approximate within the 1/4 section and should be verified with field maps submitted by the producer.</p>		