Permit Fact Sheet

General Information

Permit Number:	WI-0063169-04-0
Permittee Name:	Hanke Farms, Inc.
Address:	N6368 Willow Rd., Sheboygan Falls, WI 53085
Permit Term:	January 01, 2027 to December 31, 2031
Receiving Water:	Unnamed tributaries and Sheboygan River within the Sheboygan River Watershed and groundwaters of the state
Discharge Type:	Existing source CAFO per NR 243.03 (23)

Animal Units					
	Current AU		**Proposed AU** **(Note: If all zeroes, expansions are not expected during permit term)**		
Animal Type	**Mixed**	**Individual**	**Mixed**	**Individual**	**Date of Proposed Expansion**
Dairy Calves (under 400 lbs.)	28	0	0	0	N/A
Milking and Dry Cows	1260	1287	0	0	N/A
Heifers (400 lbs. to 800 lbs.)	103	172	0	0	N/A
Heifers (800 lbs. to 1200 lbs.)	523	475	0	0	N/A
Total	1914	1287	0	0	

Facility Description

Hanke Farms Inc. (Hanke Farms) is an existing Concentrated Animal Feeding Operation (CAFO) owned and operated by Hanke Farms Inc. in Sheboygan County, Wisconsin. Hanke Farms consists of a single production site located at N6368 Willow Road in Sheboygan Falls, WI 53085. It currently has 1,914 mixed animal units with no plans for expansion in the upcoming permit term. Based on current herd size Hanke Farms has approximately 186 days of manure/process wastewater storage and currently 3,939 acres approved in their nutrient management plan, of which 3,879 are available to receive manure.

Substantial Compliance Determination

Enforcement During Last Permit: Hanke Farms was issued the following Notice of Noncompliance (NON). The facility has completed the required actions as part of the enforcement process:

- Water quality samples taken by the department in 2019 showed concerns that the feed storage area (FSA) runoff control system was not meeting permit production area discharge standards.
- Engineering plans and specifications for the FSA runoff control system were submitted to the department for review and approval on February 15, 2021; the department approved the plan set on May 27, 2021. Post construction documentation of the corrective actions made were submitted on June 22, 2022.

- A return to compliance letter was issued to the farm on 6/29/2022.

After a desktop review of Hanke Farm's compliance schedule items, September 2026 VTA maintenance updates, NMP updates, annual reports, and a site visit on 10/7/2025, this facility has been found to be in substantial compliance with their permit.

Sample Point Descriptions

Sample Point Designation For Animal Waste		
Sample Point Number	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**	
001	WSF 1: Sample point 001 is for the 1979 underfloor concrete storage facility under the easternmost barn located south of WSF 2. This facility was last evaluated and approved by the department in 2018 [R-2018-0076]. It has a capacity of approximately 561,000 gallons and accepts first flush from the Feed Storage Area.	
002	WSF 2: Sample point 002 is for the 1983 steel above ground slurry store located on the eastern side of the production site. This facility was last evaluated and approved by the department in 2018 [R-2018-0076]. It has a maximum operating level of approximately 1.3 million gallons and accepts manure and process wastewater from the East Barn.	
003	WSF 3: Sample point 003 is for the 2000 earthen manure storage located on the western side of the production site. It has a maximum operating level of approximately 6.2 million gallons and accepts manure and process wastewater from the production site. This facility was last evaluated and approved by the department in 2018 [R-2018-0076a] with the stipulation of scour protection installation.	
005	Feed Storage Area (FSA): Sample point 005 is for the visual monitoring and inspection of the feed storage areas and associated runoff control systems. The feed storage area is located south of the West Barn and comprised of several concrete bunkers, an asphalt feed pad, bagged silage area, and leachate collection system with an associated vegetated treatment area (VTA) located on the eastern side of the production site. Proper operation and maintenance is required to ensure discharges of process wastewater to waters of the state do not occur. Weekly inspections are required and shall be recorded according to the monitoring program. The VTA was last modified and approved by the department in 2021 [R-2021-0025]. The feed storage bunkers were last evaluated and approved by the department in 2018 [R-2018-0076a]. The feed storage area pad was approved and expanded in 2024 [R-2024-0154].	
007	Settled Solids: Sample point 007 is for any manure solids removed from the bottom of liquid waste storage facilities. This includes manure-laden sand solids, manure fiber solids, etc. Representative samples shall be taken from each waste storage facility.	
008	Solids: Sample point 008 is for solid manure sources that are directly applied and not stored in a waste storage facility. This includes solid sources such as calf hutch manure, maternity pen bedpack, heifer bedpack, steer manure, etc. Representative samples shall be taken from each manure source type.	
009	Storm Water Runoff Control System: Sample Point 009 is for the visual monitoring and inspection of all production site storm water conveyance systems. This includes roof gutter and downspout structures, drainage tile systems, grassed waterways and other diversion systems that transport uncontaminated storm water. Proper operation and maintenance is required to keep uncontaminated runoff diverted away from manure and process wastewater handling systems. Weekly inspections are required and shall be recorded according to the monitoring program.	

Sample Point Designation For Animal Waste		
Sample Point Number	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**	
010	Headland Stacking Manure: Sample point 010 is for solid manure stacked in approved headland stacking locations. Representative samples shall be taken of this manure prior to land application. Note: Headland stacking sites are subject to production site discharge limitations; weekly visual monitoring is required during use of stacking sites to ensure discharges meet permit requirements.	

Permit Requirements

1 Livestock Operations - Proposed Operation and Management

Production Area Discharge Limitations

Beginning on the effective date of the permit, the permittee may not discharge pollutants from the operation's production area (e.g., manure storage areas, outdoor animal lots, composting and leachate containment systems, milking center wastewater treatment/containment systems, raw material storage areas) to navigable waters, except in the event a 25-year, 24-hour rainfall event (or greater) causes the discharge from a structure which is properly designed and maintained to contain a 25-year, 24-hour rainfall event for this location as determined under s. NR 243.04. If an allowable discharge occurs from the production area, state water quality standards may not be exceeded.

Runoff Control

The permit requires control of contaminated runoff from all elements of the production area to prevent a discharge of pollutants to navigable waters in accordance with the Production Area Discharge Limitations and to comply with surface water quality standards and groundwater standards. Beginning on the effective date of this permit, (if needed) interim measures shall be implemented to prevent discharges of pollutants to navigable waters. In addition, permanent runoff control system(s) shall be designed, operated and maintained in accordance with the requirements found in USDA Natural Resources Conservation Service standards and ch. NR 243, Wis. Adm. Code. If any upgrading or modifications to runoff controls are necessary, formal engineering plans and specifications must be submitted to the Department for approval.

Manure and Process Wastewater Storage

The permit requires the operation to have adequate storage for manure and process wastewater and that storage or containment facilities are designed, operated and maintained to prevent overflows and discharges to waters of the state. In order to prevent overflows, the permittee must maintain levels of materials in liquid storage or containment facilities at or below certain levels including a one foot margin of safety that can never be exceeded. If any upgrading or modifications to the storage facilities are necessary, formal engineering plans and specifications must be submitted to the Department for approval.

The permittee currently has approximately 186 days of storage for liquid manure. The permittee must maintain 180 days of storage, unless temporary reductions in required storage are approved by the Department.

Solid Manure Stacking

All stacking of solid manure shall be done in accordance ch. NR 243, Wis. Adm. Code, which includes restrictions from NRCS Standard 313. Stacking of manure is considered to be part of the production area and is subject to the Production Area Discharge Limitations.

Ancillary Service and Storage Areas

The permittee shall take preventative maintenance actions and conduct visual inspections to minimize pollutant discharges from areas of the operation that are not part of the production area or land application areas. These areas are called

ancillary service and storage areas and include access roads, shipping and receiving areas, maintenance areas, refuse piles and CAFO outdoor vegetated areas.

Nutrient Management

With 1,913.7 animal units (900 milking & dry cows, 647 heifers, and 140 calves), it is estimated that approximately 14,895,118 gallons of manure and process wastewater and 441 tons of solid manure of manure and process wastewater will be produced per year. The permittee owns *approximately* 3,214 acres of cropland and controls about 725 acres through contracts, rental agreements or leases, or under manure agreements. Given the rotation commonly used by the permittee, 3,879 acres are available (or open) to receive manure and process wastewater on an annual basis. The permit requires all landspreading of manure and process wastewater be completed in accordance with an approved nutrient management plan. The permit will require sampling and analysis of manure and process wastewater that will be landspread. Landspreading rates must be adjusted based on sample analysis. The permit requires the permittee to maintain a daily log that documents landspreading activities. The permit also requires the submittal of an annual report that summarizes all landspreading activities. Plans must be updated annually to reflect cropping plans and other operational changes. Among the requirements, the plans must include detailed landspreading information including field by field nutrient budgets.

The permittee is required to implement a number or practices to address potential water quality impacts associated with the land application of manure and process wastewater. Among the permit conditions are restrictions on manure ponding, restrictions on runoff of manure and process wastewater from cropped fields, and setbacks from wells and direct conduits to groundwater (e.g., sinkholes, fractured bedrock at the surface). In addition, the permittee must implement a phosphorus based nutrient management plan that addresses phosphorus delivery to surface waters by basing manure and process wastewater applications on soil test phosphorus levels or the Wisconsin Phosphorus index. Additional phosphorus application restrictions apply to fields that are high in soil test phosphorus (>100 ppm).

The permittee must also implement conservation practices when applying manure near navigable waters and their conduits, referred to as the Surface Water Quality Management Area (SWQMA). These practices include a 100-foot setback from navigable waters and their conduits, a 35-foot vegetated buffer adjacent to the navigable water or conduit, or a practice that provides equivalent pollutant reductions equivalent to or better than the 100-foot setback.

In addition, the permittee must comply with restrictions on land application of manure and process wastewater on frozen or snow-covered ground. Included in these restrictions is a prohibition on surface applications of solid manure ($\geq$12% solids) on frozen or snow-covered ground during February and March. Non-emergency surface applications of liquid manure (<12%) on frozen or snow-covered ground are prohibited.

Monitoring and Sampling Requirements

The permittee must submit a monitoring and inspection program that outlines how the permittee will conduct self-inspections to determine compliance with permit conditions. These self-inspections include visual inspections of water lines, diversion devices, storage and containment structures and other parts of the production area. The permit requires periodic inspections and calibrations of landspreading equipment. The permittee must take corrective actions to problems identified inspections or otherwise notify the Department. Samples of manure, process wastewater and soils receiving land applied materials from the operation must also be collected and analyzed.

Sampling Points

The permit identifies the different sources of land applied materials (e.g., manure storage facilities, milking centers, egg-washing facilities) as "Sampling Points." For these Sampling Points, the permittee is required to sample and analyze the different sources for nutrients and other parameters which serve as the basis for determining rates of application for these materials. Other areas are also identified as Sampling Points as a means of identifying them as areas requiring action by the permittee, such as an upgrade or evaluation of a certain system or structure (e.g., runoff control systems), even though sampling is not actually required.

1.1 Sample Point Number: 001- WSF 1; 002- WSF 2; 003- WSF 3

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Nitrogen, Total		lb/1000gal	2/Month	Grab	
Nitrogen, Available		lb/1000gal	2/Month	Calculated	
Phosphorus, Total		lb/1000gal	2/Month	Grab	
Phosphorus, Available		lb/1000gal	2/Month	Calculated	
Solids, Total		Percent	2/Month	Grab	

1.1.1 Changes from Previous Permit

Sample points 001-WSF 1, 002-WSF2, 003-WSF 3 were updated to include more accurate up-to-date descriptions including the dates of the last approvals and waste sources.

1.1.2 Explanation of Operation and Management Requirements

Liquid manure and process wastewater sources must be properly stored and land applied according to the permit and nutrient management plan.

1.2 Sample Point Number: 005- Feed Storage & Runoff Controls; 009- Storm Water Runoff Controls

1.2.1 Changes from Previous Permit

Sample point 005-Feed Storage & Runoff Controls was updated to include more accurate up-to-date descriptions and last department approval dates.

1.2.2 Explanation of Operation and Management Requirements

There is no required nutrient sampling for the runoff control sample points. Rather, weekly or quarterly inspections are required and shall be recorded according to the monitoring and inspection plan and submitted with the Annual Report.

1.3 Sample Point Number: 007- Solid Manure from Liquid WSF; 008- Solid Manure, and 010- Headland Stacking Sites

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Nitrogen, Total		lbs/ton	Quarterly	Grab	
Nitrogen, Available		lbs/ton	Quarterly	Calculated	

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Phosphorus, Total		lbs/ton	Quarterly	Grab	
Phosphorus, Available		lbs/ton	Quarterly	Calculated	
Solids, Total		Percent	Quarterly	Grab	

1.3.1 Changes from Previous Permit

No changes.

1.3.2 Explanation of Operation and Management Requirements

Solid manure sources must be properly stored and land applied according to the permit and nutrient management plan.

2 Schedules

2.1 Emergency Response Plan

Required Action	Due Date
Develop Emergency Response Plan: Update the written Emergency Response Plan within 30 days of permit coverage, available to the Department upon request.	02/01/2027

2.2 Monitoring & Inspection Program

Use of the department's monitoring and inspection program template is encouraged, but optional.

Required Action	Due Date
Proposed Monitoring and Inspection Program: Consistent with the Monitoring and Sampling Requirements subsection, the permittee shall submit a proposed monitoring and inspection program within 30 days of the effective date of this permit.	02/01/2027

2.3 Annual Reports

Submit Annual Reports by January 31st of each year in accordance with the Annual Reports subsection in Standard Requirements.

Required Action	Due Date
Submit Annual Report #1: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2027

Submit Annual Report #2: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2028
Submit Annual Report #3: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2029
Submit Annual Report #4: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2030
Submit Annual Report #5: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2031
Ongoing Annual Reports: Continue to submit Annual Reports until permit reissuance has been completed.	

2.4 Nutrient Management Plan

Submit annual nutrient management plan (NMP) updates by March 31 of each year. Note, in addition to annual NMP updates, submit NMP amendments and substantial revisions to the department for written approval prior to implementation of any changes to the NMP.

Required Action	Due Date
Management Plan Submittal: Submit any necessary updates to the Nutrient Management Plan to meet the conditions outlined in this permit (see conditions in the Livestock Operational and Sampling Requirements section).	
Submit NMP Update #1: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2027
Submit NMP Update #2: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2028
Submit NMP Update #3: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2029
Submit NMP Update #4: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2030
Submit NMP Update #5: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2031
Ongoing Management Plan Annual Updates: Continue to submit Annual Updates to the Nutrient Management Plan until permit reissuance has been completed.	

2.5 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	07/01/2031

2.6 Explanation of Schedules

The following schedule items are standard permit requirements to monitor and fulfill requirements of discharge

limitations, and ensure compliance with s. NR243, Wis. Admin. Code, Requirements: Emergency Response Plan, Monitoring and Inspection Program, Annual Reports, Nutrient Management Plan, Submit Permit Reissuance Application.

- An emergency response plan is required to be developed per s. NR 243.13(6)(a) Wis. Admin. Code.
- A monitoring and inspection program is required to be submitted per s. NR 243.19(1) Wis. Admin. Code.
- Annual reports are required to be submitted per s. NR 243.19(3) Wis. Admin. Code.
- Nutrient management plan updates are required to be submitted per s. NR 243.19(3) Wis. Admin. Code.
- A permit reissuance application is required per s. NR 243.12(1)(d) Wis. Admin. Code.

Attachments

Farm Overview and Sample Point Maps

Evaluation Review for Days of Storage Letter [8/21/2026]

5-year NMP Conditional Approval Letter [8/21/2026]

Return to Compliance Letter [6/29/2022]

Justification Of Any Waivers From Permit Application Requirements

No waivers requested or granted as part of this permit reissuance.

Prepared By: Jean Weaver Agricultural Runoff Management Specialist Date: 10/1/2026

Hanke Farms Sample Point Map

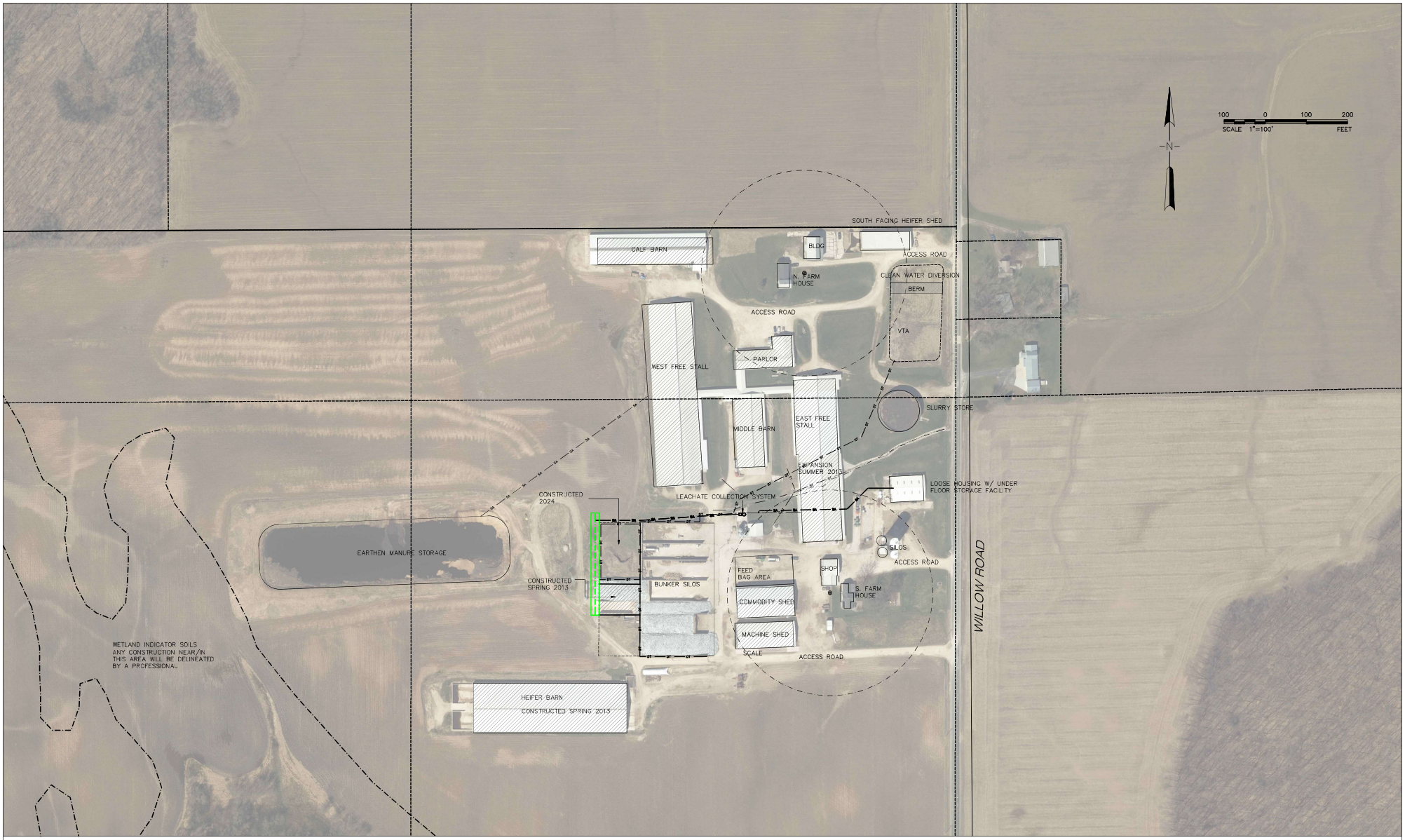


Sample Points

- 001 WSF 1
- 002 WSF 2
- 003 WSF 3
- 005 Feed Storage Area and Runoff Controls

Sample Points – Operation Wide

- 007 Settled Solids
- 008 General Solid Manure
- 010 Headland Stacking Solids
- 009 Storm Water Runoff Controls



DRAWN BY MLA
CHECKED BY ERO
APPROVED BY ERO

SCALES
HORIZONTAL 1"=100'
VERTICAL N/A

PROJECT NO. 719.009
DATE 7/24/2026

REVISIONS

BENCH MARK

RR SPIKE IN PP # P13 B18- 1ST PP NORTH OF THE SOUTHERN MOST DRIVE ENTRANCE ELEV. 806.84

BRONZE DISK STAMPED 3L45 LOCATED ON THE NORTH SIDE OF CTH "C" ± 3280' EAST OF STH "57" ELEV. 779.89

DATUM
U.S.G.S. ☒
ASSUMED ☐
CITY ☐
PROJECT ☐

FACILITY OPERATION MAP FOR HANKE FARMS, INC.

PART OF THE SW 1/4 OF THE NE 1/4 & PART OF THE SE 1/4 OF THE NE 1/4, SEC. 13-15-21
TOWN OF PLYMOUTH, SHEBOYGAN COUNTY, WISCONSIN

J.E. ARTHUR AND ASSOCIATES, INC.
ENGINEERS SURVEYORS
FOND DU LAC, WISCONSIN 54935
PHONE (920) 922-5703

SHEET 1 OF 1 SHEETS
FILE NO. 719.009

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

Tony Evers, Governor
Karen Hyun, Ph.D., Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
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August 21, 2026

FILE REF: R-2026-0151
WPDES Permit #: WI-0063169

Jason Hanke
Hanke Farms, Inc.
N6368 Willow Road
Sheboygan Falls, WI 53085

Subject: Days of Storage Review for Hanke Farms, Inc. in T15N, R21E, Section 13, Plymouth Township, Sheboygan County – NO ADDITIONAL ACTION REQUIRED

Dear Mr. Hanke:

This letter is to inform you that the Wisconsin Department of Natural Resources (Department) has completed its review of the calculation of days of storage submitted by Eric Otte, P.E., J.E. Arthur and Associates, Inc. on June 30, 2026 on behalf of Hanke Farms, Inc.

The Department reviewed the submitted calculations in accordance with ss. NR 243.14(9) and NR 243.15(3)(i) to (k), Wis. Adm. Code. Under s. NR 243.17(3)(c), Wis. Adm. Code, the permittee shall demonstrate compliance with the 180-day design storage capacity requirement at specified times. For the following liquid manure storage calculations, the Department has determined **no additional actions** on your part are required.

Days of Available Liquid Waste Storage: The submitted information states that Hanke Farms has 186 days of liquid waste storage based on the volumes listed in the table below with respect to s. NR 243.15(3)(i) to (k), Wis. Adm. Code. However, because WSF 2 currently requires additional actions to be completed, the number of days of storage may actually be less in accordance with s. NR 243.15(3). The number of days of storage will change once the evaluation for WSF 2 requires no further actions. The current number of animal units provided for the calculation is 1913.7. There is currently no expansion proposed during the upcoming permit term. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. Collection for up to the 25-yr, 24-hr storm event is provided for the feed storage area in the existing underbarn storage with overflow diverted to the existing VTA which has a berm at the downstream end and a recirculation system to prevent a discharge from the production area. Feed storage area runoff is stored separately from liquid manure and will have no effect on the days of available liquid manure storage at Hanke Farms.

Existing Conditions (1,913.7 AU) – 186 Days of Storage

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	**Annual Gallons**
Manure, Bedding, and Parlor Wastewater:	13,578,150
Total Feed Storage Leachate:	0
Total Feed Storage Runoff Collected:	0
Net Precipitation on Storage Surfaces:	1,316,968
Total Liquid Waste Stored Below the MOL:	**14,895,118**

Total Liquid Waste Storage Capacity (Gallons)						
Waste Storage	Total Volume from Top to Bottom	-Remaining Waste	-25-yr, 24-hr Precipitation on Storage	-25-yr, 24-hr Collected Runoff	-Freeboard Volume	Max. Operating Level (MOL) Volume
WSF 1	1,394,000	0	23,722	0	59,930	1,310,348
WSF 2	8,114,121	851,792	284,435	0	707,339	6,270,554
					Total MOL Volume:	7,580,902

Should you have any questions, please contact Rob Davis, DNR Madison office or your Regional Agricultural Runoff Specialist.

NOTICE OF APPEAL RIGHTS

If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to WIS. STAT. §§ 227.52 and 227.53, you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to WIS. STAT. § 227.42, you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. All requests for contested case hearings must be made in accordance with WIS. ADMIN. CODE § NR 2.05(5), and served on the Secretary in accordance with WIS. ADMIN. CODE § NR 2.03. The filing of a request for a contested case hearing does not extend the 30-day period for filing a petition for judicial review.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES



Rob Davis, P.E.
Water Resources Engineer
Watershed Management Program

Email:
Jason Hanke; Hanke Farms, Inc.
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TTY Access via relay - 711

August 21st, 2026

Sheboygan County
Approval

Jason Hanke
Hanke Farms, Inc
N6368 Willow Rd.
Sheboygan, WI 53085

SUBJECT: Conditional Approval of Hanke Farms, Inc Nutrient Management Plan, WPDES Permit No. 0063169-04-0

Dear Jason Hanke:

After completing a review of Hanke Farms, Inc 2026-2030 Nutrient Management Plan (NMP) the Wisconsin Department of Natural Resources (Department) is providing conditional approval that it is consistent with Nutrient Management Requirements in s. NR 243, Wis. Adm. Code. This part of your WPDES permit application is now ready for the public notice and comment process as required by Ch. 283 Stats.

Before applying manure onto approved fields each season, the Department recommends Hanke Farms, Inc review the NMP with those individuals involved with manure applications to ensure all remain familiar with the approved manure spreading protocol, spreading maps, field and map verification, record keeping requirements, and all the conditions of this approval.

FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 1,913.7 animal units (900 milking & dry cows, 647 heifers, and 140 calves). Currently there are no planned expansions in the next permit term.

2. Manure generation and spreading records indicate your herd will annually generate approximately 14,895,118 gallons of manure and process wastewater and 441 tons of solid manure in the first year of the permit term. An additional 700,000 gallons of process wastewater is accounted for in the event mechanical application was necessary if the VTA was not in use.

3. The use of application restriction options 2 and 5 within surface water quality management areas.

4. The use of phosphorus delivery method P Index.

5. That Hanke Farms, Inc currently has 3,939 acres (3,214 owned and 725 controlled through contracts, rental agreements or leases, or under manure agreements) of which 3,879 are spreadable acres.

6. That all fields will be checked for the following features prior to/during manure or process wastewater applications: soil areas with possible shallow groundwater (i.e., within 24 inches of surface) at the time of

manure application; required setbacks associated with wells, navigable waters, conduits to navigable waters, grassed waterways, wetlands, possible soil erosion/flow channels.

7. That surface applications of manure will not be completed when precipitation capable of producing runoff is forecasted within 24 hours of the time of planned application.

CONDITIONAL NUTRIENT MANAGEMENT PLAN APPROVAL

The Department hereby approves the 2026-2030 Hanke Farms, Inc Nutrient Management Plan subject to the following conditions and the applicable requirements of Ch. NR 243, Wis. Adm. Code:

FIELD AND MANURE MANAGEMENT

1. Fields not included in the NMP and new fields shall not receive manure or process wastewater applications until they have been properly soil sampled, entered into Snap Plus, evaluated for their nutrient needs, and approved by the Department.

2. The following fields have also been approved to receive industrial, municipal, or septage waste:

Field ID:	Other Permittee Name:	Site ID:	Field ID:	DNR #:
JE1	JOHNSONVILLE LLC	17	2	46281
JE2	JOHNSONVILLE LLC	17	2	46281
JE4	SHEBOYGAN WASTEWATER TREATMENT PLANT	209	7	46285
JE5	SHEBOYGAN WASTEWATER TREATMENT PLANT	209	6	46284
JE6	JOHNSONVILLE LLC	17	3	46380
JE6	JOHNSONVILLE LLC	17	4	46282
JE6	JOHNSONVILLE LLC	17	5	46283
Jewitt	SHEBOYGAN WASTEWATER TREATMENT PLANT	230	1	83603
JN1	SHEBOYGAN WASTEWATER TREATMENT PLANT	209	1	42946
JW2	SHEBOYGAN WASTEWATER TREATMENT PLANT	209	9	46287
JW3	SHEBOYGAN WASTEWATER TREATMENT PLANT	209	8	46286
JW4	SHEBOYGAN WASTEWATER TREATMENT PLANT	209	10	46288
JW5	SHEBOYGAN WASTEWATER TREATMENT PLANT	209	11	46289
JW6	SHEBOYGAN WASTEWATER TREATMENT PLANT	209	12	46290
JW8	SHEBOYGAN WASTEWATER TREATMENT PLANT	209	13	62940
Milton Braun	SHEBOYGAN WASTEWATER TREATMENT PLANT	145	10	20421
Stewart East	JOHNSONVILLE LLC	7	1	50217

Prior to any manure applications on these fields Hanke Farms, Inc shall contact the entities listed above to obtain recent spreading records and make the necessary adjustments to the planned manure application rates. At the end of each year Hanke Farms, Inc shall contact each entity listed above to obtain spreading records from the previous year so that they can be properly tracked in the NMP. Please Note: Hanke Farms, Inc is responsible for obtaining nutrient content values for all other wastes spread on any field in their NMP.

3. If existing fields yield a soil test results equal to or greater than 200 ppm P, those fields would be prohibited from receiving manure or process wastewater applications, unless you obtain Department approval in accordance with NR 243.14(5)(b)2., Wis. Adm. Code.

4. All liquid manure samples collected may be analyzed, at a minimum, for percent dry matter, total nitrogen, percent NH_4-N, percent NO_3-N, phosphorus, potassium, and sulfur.

5. If manure sample results have a dry matter (DM) content less than 2.0% and the percent ammonium (NH_4^+) is greater than 75% of the total N, HANKE FARMS, INC may use the following equation to adjust the first year available nitrogen when applications are injected or incorporated within 1 hour:

$$\text{First-Year Available N} = NH_4\text{-N} + [0.25 \times (\text{Total N} - NH_4\text{-N})]$$

6. Hanke Farms, Inc shall record daily manure applications by using form 3200-123A. These forms shall be retained at the farm and provided to the department upon request.

7. Hanke Farms, Inc shall annually submit a spreading report that summarizes the land application activities listed under NR 243.19(3)(c)5., Wis. Adm. Code by using 'CAFO Annual Spreading Reports' generated by Snap Plus.

WINTER SPREADING

8. Liquid manure applications during winter conditions, as defined by NR 243.14(7), Wis. Adm. Code, are prohibited with the exception of emergency applications.

9. The following field(s) are approved for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:

- Anhalt
- Blanke North
- Blanke West
- Brandt 4
- Brandt 5
- Burkart West
- DeMunck 3
- DL-37
- DL-By Woods
- DL- E Farm
- DL-Franzen 1
- DL-Franzen 162 ac
- DL-Henry 24
- DL-Mung
- DL-Well Field 2
- DL-Well Field
- DL-Zimbal 1
- DL-Zimbal 2
- F3
- F4+5+6
- F7+8
- Fenner North
- Fenner West
- Fiedler South
- Glenzer North
- Glenzer South
- Grunwald
- Hamann East
- Hamann Hillside
- Hamann South
- Home 1&2
- Home 3
- Home 4&5
- Home 6
- Home 7&8
- JE1
- JE2
- JE6
- Jewitt
- JN1
- JW2
- JW5
- JW6
- JW8
- Kleiber Conrad 5
- Kleiber Miller 80
- Kleiber N of Woods (3)
- Kleiber South of Barn (8)
- Kleiber Woods 6
- Kleiber Woods 7
- Kleinhan 1
- Kleinhan 3&4
- Kleinhan 6
- Kleinhan 8
- Kleinhan 10
- Kufuss
- Laack
- Lawn Boy
- Milton Braun
- R1
- R2
- R3
- R4
- R6
- R7
- R8
- Robert Hanke
- Ron Imig
- Rose 9
- Samse C
- Samse North
- Samse South
- Shanoa South
- Shanoa North
- Sinner North
- Stewart East
- Stewart West

10. Winter spreading of solid and liquid manure may not occur during the "high risk runoff period" pursuant to s. NR 243.14(6)(c) and NR 243.14(7)(c), respectively.

11. Winter applications of liquid manure shall only occur under emergency situations, after notifying the Department and receiving verbal approval.

12. Liquid applications shall be limited to 3,500 gallons per acre or 30 lbs. P per acre, whichever is less, on slopes 2-6% and 7,000 gallons per acre or 60 lbs. P per acre, whichever is less, on slopes 0-2%. Winter applications of solid manure shall be limited to 60 lbs. P per acre.

HEADLAND STACKING

13. No headland stacking sites are approved.

NR243.143/151.075 SILURIAN BEDROCK PERFORMANCE STANDARDS

14. Manure generated by Hanke Farms, Inc that is mechanically applied to the following approved fields meet planning requirements under NR243.143/151.075, Silurian bedrock performance standards. The following fields are required to meet all requirements under NR243.143/151.075, Silurian bedrock performance standards immediately following this approval.
    - Fiedler East
    - Fiedler North (West)
    - Fiedler West (North)

MANURE & PROCESS WASTEWATER IRRIGATION

15. Irrigation of manure or process wastewater is prohibited.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

16. A copy of this conditional approval shall be included in all future annual Nutrient Management Plan Updates in addition to the NR 243 and NRCS 590 checklists.

17. The farm is required to take a minimum number of manures samples to meet permit requirements as follows:
    - Solid Manure: One solid sample per source on a quarterly basis when hauling occurs.
    - Liquid Manure: Two liquid samples per source on a monthly basis when hauling occurs.

18. Please submit any revised restriction maps, manure summary reports(include 2026), and narrative by no later than **September 4th, 2026.**

This conditional approval does not limit the Department's regulatory authority to require NMP revisions (based upon new information or manure irrigation research findings) or request additional information in order to confirm or ensure your farm operation remains in compliance with NR 243 and your WPDES permit conditions. If additional information, project changes or other circumstances indicate a possible need to modify this approval, the Department may ask you to provide further information relating to this activity.

Please keep in mind that approval by the Department of Natural Resources – Runoff Management Program does not relieve you of obligations to meet all other applicable federal, state or locate permits, zoning and regulatory requirements.

If you have any questions regarding this approval I can be reached at 608-212-8460 or Ashley.Scheel@Wisconsin.gov.

Sincerely,



Ashley Scheel, CCA
WDNR Nutrient Management Plan Reviewer
Wisconsin Department of Natural Resources

CC:

Jean Weaver, WDNR Agricultural Runoff Management Specialist (jeanm.weaver@wisconsin.gov)
Michelle Scott, WDNR Agricultural Runoff Supervisor (Michelle.Scott@wisconsin.gov)
Joe Baeten, WDNR Agricultural Runoff Section Manager (joseph.baeten@wisconsin.gov)
Aaron O'Rourke, WDNR Nutrient Management Program Coordinator (aaron.orourke@wisconsin.gov)
Falon French, WDNR Intake Specialist (falon.french@wisconsin.gov)
Rob Davis, WDNR CAFO Engineer (robert.davis@wisconsin.gov)
Tyler Betry, Sheboygan County Conservationist (tyler.betry@sheboygancounty.com)
Jen Walton, Next Level NMP (jenbiscoe@hotmail.com)
File

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Plymouth Service Center
1155 Pilgrim Rd
Plymouth, WI 53073

Tony Evers, Governor
Preston Cole, Secretary
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

June 29, 2022

Jason Hanke
Hanke Farms Inc
N6368 Willow Road
Sheboygan Falls, WI 53085

Subject: WPDES Permit No. WI-0063169-03-Return to Compliance Feed Storage Area Runoff Controls

Dear Mr. Hanke,

The Department of Natural Resources (department) met with Hanke Farms, Inc. located at N6368 Willow Road, Sheboygan Falls, WI on September 11th, 2019. The purpose of this visit was to perform a production site inspection and to discuss the feed storage runoff control system evaluation submitted by the operation.

On October 1st and 2nd the department inspected the vegetated treatment area of the facilities feed storage runoff control system. On the October 1st, 2019, the department took water quality samples to measure this systems efficiency. Based on the results of the water quality samples the department had concern that this system did not meet permit production area discharge limitations.

Plans and specifications were submitted to the department for review and approval on February 15, 2021; the department approved the plan set on May 27, 2021. Post construction documentation of the corrective actions made were submitted on June 22, 2022. These actions have satisfied outstanding noncompliance at this operation, and this facility has returned to compliance.

If you have any questions regarding this letter or your WPDES permit requirements, please contact me at 920-400-7014 or Danielle.block@wisconsin.gov.

Sincerely,

Danielle Block
Agricultural Runoff Management Specialist

Ec:
Victoria Ziegler-WDNR