Permit Fact Sheet

General Information

Permit Number:	WI-0066729-01-0
Permittee Name:	Grass Ridge Farm LLC
Address:	5882 County Road E North
City/State/Zip:	Pittsville WI 54466
Discharge Location:	Same as address above
Receiving Water:	Little Hemlock Creek

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	01/01/2025
Milking and Dry Cows	875	894	1288	1316	01/01/2025
Heifers (400 lbs. to 800 lbs.)	90	150	90	150	01/01/2025
Heifers (800 lbs. to 1200 lbs.)	286	260	286	260	01/01/2025
Total	1279	894	1664	1316	

Facility Description

Grass Ridge Farm LLC is a proposed CAFO located in Wood County, Wisconsin. Grass Ridge Farm has a current herd size of 1279 animal units (625 milking & dry cows, 410 heifers, and 140 calves). An expansion in animal units is planned during the proposed permit term to a total of 1664 animal units (920 milking & dry cows and 410 heifers). Grass Ridge Farm currently has 1,449 acres (363 owned and 1086 controlled through contracts, rental agreements, or leases, or under manure agreements) of which 1,408 acres are spreadable. Grass Ridge Farm is operating under an approved nutrient management plan.

Sample Point Designation For Animal Waste		
Sample Point Number	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**	
001	Sample Point (001) is for liquid Waste Storage Facility 1 (WSF 1). It is a concrete lined facility located east of the dairy barns. It was constructed in 2015 and has an approximate storage capacity of 4,732,000 gallons.	
002	Sample Point (002) is for liquid Waste Storage Facility 2 (WSF 2). It is a concrete lined facility located north of the dairy barns. It was constructed in 2000 and has an approximate storage capacity of 1,440,000 gallons.	
003	Sample Point (003) is for liquid Waste Storage Facility 3 (WSF 3). It is an earthen facility located north of WSF 2. It was constructed in 1977. WSF 3 is scheduled to be abandoned per the schedules section of the permit.	
004	Sample Point (004) is for process wastewater facility 1 (PWF 1). PWF 1 is proposed to be constructed during the permit term to collect runoff from the feed storage area. See Schedules section of the permit for details.	
005	Sample point (005) is for visual monitoring and inspection of the feed storage area and associated runoff control system. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program. Upgrades to the feed storage area are required per the Schedules section of the permit.	
006	Sample point (006) is for visual monitoring and inspection of outdoor feedlot 1 and associated runoff control system located north of WSF 2. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program. Upgrades or abandonment of feedlot 1 is required per the Schedules section of the permit.	
007	Sample point (007) is for visual monitoring and inspection of outdoor feedlot 2 and associated runoff control system located west of feedlot 1. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program. Upgrades or abandonment of feedlot 2 is required per the Schedules section of the permit.	
008	Sample point (008) is for visual monitoring and inspection of outdoor feedlot 3 and associated runoff control system located north of feedlot 2. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program. Upgrades or abandonment of feedlot 3 is required per the Schedules section of the permit.	
009	Sample point (009) is for visual monitoring and inspection of the calf lot and associated runoff control system. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program. Upgrades or abandonment of the calf lot may be required per the Schedules section of the permit pending the engineering evaluation review.	
011	Sample point (011) is for visual monitoring and inspection of the outdoor vegetated area located north of WSF 1. Proper operation and maintenance is required to ensure vegetative cover is sustained across lot areas. Quarterly inspections are required and shall be recorded according to monitoring program. Outdoor lot areas not managed to sustain vegetation are not permitted and shall be properly abandoned.	
012	Sample point (012) is for any manure solids removed from bottom of liquid waste storage facilities. This	

Sample Point Designation For Animal Waste		
Sample Point Number	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**	
	includes manure-laden sand solids, manure fiber solids, etc. Representative samples shall be taken from each waste storage facility.	
013	Sample point (013) 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.	
014	Sample point (014) is for solid manure sources that are directly land 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 for each manure source type.	
015	Sample point (015) is for 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 monitoring program.	

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 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 submitted to the Department for approval.

The permittee currently has approximately 310 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

The operation has proposed to stack solid manure. 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 1279 animal units, it is estimated that approximately 7,271,089 gallons of manure/process wastewater and 2,000 tons of solid manure will be produced per year. The permittee owns *approximately* 363 acres of cropland and rents about 1086. Given the rotation commonly used by the permittee, 1,408 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 permitee 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.

Sample Point Number: 001- WSF 1 ; 002- WSF 2; 003- WSF 3; 004- PWF 1

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	

Sample Point Number: 005- Feed Storage Area; 006- Feedlot 1; 007- Feedlot 2; 008- Feedlot 3; 009- Calf Lot; 011- Outdoor Vegetated Area, and 015- Stormwater

Sample Point Number: 012- Solids from pits; 013- Headland Stacking, and 014- Solids

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	
Phosphorus, Total		lbs/ton	Quarterly	Grab	
Phosphorus,		lbs/ton	Quarterly	Calculated	

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Available					
Solids, Total		Percent	Quarterly	Grab	

2 Schedules

2.1 Emergency Response Plan

Required Action	Due Date
Develop Emergency Response Plan: Develop a written Emergency Response Plan within 30 days of permit coverage, available to the Department upon request.	05/31/2024

2.2 Monitoring & Inspection Program

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 90 days of the effective date of this permit.	07/31/2024

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:	01/31/2025
Submit Annual Report #2:	01/31/2026
Submit Annual Report #3:	01/31/2027
Submit Annual Report #4:	01/31/2028
Submit Annual Report #5:	01/31/2029
Ongoing Annual Reports: Continue to submit Annual Reports until permit reissuance has been completed.	

2.4 Nutrient Management Plan

Required Action	Due Date

Management Plan Annual Update #1: Submit an Annual Update to the Nutrient Management Plan by March 31st of each year. Note: In addition to Annual Updates, submit Management Plan Amendments to the Department for written approval prior to implementation of any changes to nutrient management practices, in accordance with the Nutrient Management requirements in the Livestock Operational and Sampling Requirements section.	03/31/2025
Management Plan Annual Update #2: Submit an Annual Update to the Nutrient Management Plan.	03/31/2026
Management Plan Annual Update #3: Submit an Annual Update to the Nutrient Management Plan.	03/31/2027
Management Plan Annual Update #4: Submit an Annual Update to the Nutrient Management Plan.	03/31/2028
Management Plan Annual Update #5: Submit an Annual Update to the Nutrient Management Plan.	03/31/2029
Ongoing Management Plan Annual Updates: Continue to submit Annual Updates to the Nutrient Management Plan until permit reissuance has been completed.	

2.5 Manure Storage Facility - Abandonment

Required Action	Due Date
Abandonment Plan: Submit an abandonment plan for the WSF 3 manure storage facility to the Department for approval in accordance with USDA Natural Resource Conservation Services Technical Guide, Section IV, Standard 360 outlining the proposed method of abandonment.	12/31/2024
Complete Abandonment: Complete abandonment as approved by the Department.	09/30/2025

2.6 Feed Storage - Upgrades

Required Action	Due Date
Plans and Specifications: Submit plans and specifications for Department review and approval to permanently correct any adverse conditions identified as part of the engineering evaluation for the feed storage area in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code.	01/31/2025
Corrections and Post Construction Documentation: Complete construction of improvements to permanently correct any adverse conditions in concurrence with and approval by the Department, by the specified Date Due. Submit post construction documentation within 60 days of completion of the project.	11/30/2025

2.7 Runoff Control System - Feedlot 3

Required Action	Due Date
Plans and Specifications: Submit plans and specifications for a permanent runoff control system for Feedlot 3 for Department review and approval in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code. See Standard Requirements for plan content information.	01/31/2026
Complete Installation: Complete construction of runoff control system for feedlot 3. System shall be functional and in operation by the specified Date Due. Post construction documentation shall be	11/30/2026

submitted within 60 days of completion of the project.	

2.8 Runoff Control System - Feedlot 1 and Feedlot 2

Required Action	Due Date
Plans and Specifications: Submit plans and specifications for Department review and approval to permanently correct any adverse runoff control conditions in feedlot 1 and feedlot 2 in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code.	01/31/2027
Corrections and Post Construction Documentation: Complete construction of runoff controls that permanently correct any adverse runoff control conditions for feedlot 1 and feedlot 2 in concurrence with and approval by the Department, by the specified Date Due. Submit post construction documentation within 60 days of completion of the project.	11/30/2027

2.9 Runoff Control System - Calf Lot

Required Action	Due Date
Abandonment Plan: Submit an abandonment plan for the calf lot to the Department for approval outlining the proposed method of abandonment.	01/31/2028
Complete Abandonment: Complete abandonment of calf lot as approved by the Department.	11/30/2028

2.10 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	10/31/2028

Attachments:

Plan Approval Letter(s)

Public Notice

Expiration Date:

4/30/2029

Prepared By: Mark Kaczorowski **Agricultural Runoff Management Specialist** **Date: 3/8/2024**

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
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Eau Claire WI 54701

Tony Evers, Governor
Adam Payne, Secretary
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April 21, 2023

Paul Lippert
Grass Ridge Farm LLC
5882 County Road E
Pittsville, WI 54466

Wood County
Approval

SUBJECT: Conditional Approval of Grass Ridge Farm LLC Nutrient Management Plan, WPDES Permit No. 0066729-01-0

Dear Mr. Lippert:

After completing a review of Grass Ridge Farm LLC 2022-2026 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 Grass Ridge Farm LLC review the NMP with individuals involved with manure applications to ensure all are familiar with the approved manure spreading practices, spreading map restrictions, required field verifications, record keeping requirements, and conditions of this approval. Specifically, fields in Grass Ridge Farm LLC NMP may have:

- Soils with bedrock or seasonal perched water conditions within 24 inches of surface,
- Setback requirements due to streams, conduits to streams (such as man-made channels or road ditches), grassed waterways, wetlands, or wells,
- Evidence of soil erosion/flow channels.

Reviewing the NMP and checking fields for these features and soil conditions prior to manure applications will help Grass Ridge Farm LLC maintain compliance with their WPDES permit and Ch. NR 243 requirements.

GRASS RIDGE FARM LLC CAFO PERMIT NMP REVIEW REMARKS

- A reminder that several fields are due for soil sampling this year.

- Liquid manure sample results vary widely between pits. Continue sampling frequency to verify nutrient content from each source.

- Over 20 fields contain "W" soils with seasonal perched water near the soil surface (e.g., **Vs** – Vesper silt loam, **Ve** – Veedum silt loam). It is recommended your crop consultant and manure applicator establish procedures to identify/manage manure applications on these soils during spring and fall.

- The Grass Ridge Farm LLC 5-year NMP meets permit requirements for managing nitrogen, however, consider keeping total nitrogen from planned applications and credits under 200 pounds per acre for corn. University of Wisconsin and Wisconsin Discovery Farms research has shown greater nitrate-nitrogen losses and reduced profitability when exceeding this application rate.

FINDINGS OF FACT

The Department confirms that:

1. The farm has a current dairy herd size of 1279 animal units (625 milking & dry cows, 410 heifers, and 140 calves). A 30% expansion in animal units are planned during the next permit term to a total of 1664 animal units (920 milking & dry cows and 410 heifers).

2. Manure generation "book values" and the 5-year NMP narrative indicate your herd currently generates approximately 7,271,089 gallons of manure/process wastewater and 2,000 tons of solid manure for the 1279 animal units. At the end of the permit term first year (2024) and expansion, it is estimated the 1664 animal units will generate 10,102,138 gallons of manure/process wastewater and 1,000 tons of solid manure. Planned manure applications during the permit term used the higher volume amount.

3. Application restrictions for Surface Water Quality Management Areas (SWQMA):
   - Option 1 (tillage in rotation) - no manure within 25 feet of navigable water or conduit, inject or immediately incorporate within remaining SWQMA area.
   - Option 2 (long-term no-till) - no manure within 25 feet, surface apply at a maximum rate of 7500 gallons within remaining SWQMA area.
   - Option 5 (tillage in rotation) - no surface application within 100 feet of surface water or conduit to surface water.

4. The phosphorus management method to minimize field loss is "Soil Test P".

5. Grass Ridge Farm LLC currently has 1,449 acres (363 owned and 1086 controlled through contracts, rental agreements, or leases, or under manure agreements) of which 1,408 acres are spreadable.

6. Some fields included in the NMP are directly adjacent to or have high potential to deliver nutrients and sediment to a 303(d) impaired water (Dawes Creek – WBIC 1367400 – listed in 2016 for "Total Phosphorus", Unnamed Creek – WBIC 1371200 – listed in 2018 for "Total Phosphorus", Little Hemlock Creek – WBIC 1367100 – listed in 2016 for "Total Phosphorus", and Hemlock Creek – WBIC 1366300 – listed in 2012 for "Total Phosphorus").

7. No fields included in the NMP are directly adjacent to or have high potential to deliver nutrients and sediment to streams classified as an outstanding/exceptional water resource.

8. No fields included in the NMP are located within a well head protection area.

9. The following fields are known to contain drain tile.

Bain Tiled	Kurtz Front	Kurtz Back	Maple South	M2	M3	D8
D9						

10. All fields will be checked for the following features prior to/during manure or process wastewater applications:

- soil areas with possible perched water conditions within 24 inches of surface ("W" soils) at the time of manure application
- required setbacks associated with wells, navigable waters, conduits to navigable waters, grassed waterways, and wetlands
- soil erosion/flow channels.

11. 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 2022-2026 Grass Ridge Farm LLC 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 in Snap Plus, evaluated for nutrient needs, and approved by the Department.

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

Field Name	Other Permittee Name	Other Permittee Field Name	DNR #
Kellerman	BADGER STATE FRUIT PROCESSING INC CRANBERRY LANE	5A	1249
Kellerman	BADGER STATE FRUIT PROCESSING INC CRANBERRY LANE	5B	1424
Maple North	BADGER STATE FRUIT PROCESSING INC CRANBERRY LANE	16	68479
Maple South	BADGER STATE FRUIT PROCESSING INC CRANBERRY LANE	13	68476
Marvin	BADGER STATE FRUIT PROCESSING INC CRANBERRY LANE	8	68471
Miller	BADGER STATE FRUIT PROCESSING INC CRANBERRY LANE	9	68472
Miller	BADGER STATE FRUIT PROCESSING INC CRANBERRY LANE	10	68473
Miller	BADGER STATE FRUIT PROCESSING INC CRANBERRY LANE	11	68474
Miller	BADGER STATE FRUIT PROCESSING INC CRANBERRY LANE	12	68475
Schiller	BADGER STATE FRUIT PROCESSING INC CRANBERRY LANE	1	68463
Schiller	BADGER STATE FRUIT PROCESSING INC CRANBERRY LANE	3	68466

Schiller	BADGER STATE FRUIT PROCESSING INC CRANBERRY LANE	4	68467
Schiller	BADGER STATE FRUIT PROCESSING INC CRANBERRY LANE	5	68468
Schiller South	BADGER STATE FRUIT PROCESSING INC CRANBERRY LANE	15	68477

Prior to any manure applications on these fields, Grass Ridge Farm LLC 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, Grass Ridge Farm LLC 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: Grass Ridge Farm LLC is responsible for obtaining nutrient content values for all other wastes spread on any field in their NMP.

3. If existing fields soil test phosphorus levels are 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. At a minimum, all liquid manure samples collected should be analyzed 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, Grass Ridge Farm LLC 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. Grass Ridge Farm LLC shall record daily manure applications by using form 3200-123A or other documentation with equivalent information. This information shall be retained at the farm and provided to the department upon request.

7. Grass Ridge Farm LLC shall annually submit a spreading report that summarizes the land application activities listed under NR 243.19(3)(c)5., Wis. Adm. Code and contained in form 3200-123.

WINTER SPREADING

8. Liquid manure applications during winter conditions, as defined by NR 243.14(7), Wis. Adm. Code, are prohibited except for emergency applications.

9. The following fields have areas determined to have a low risk of runoff and are approved for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:

Amelia	D-1	H2	H3	Kellerman	Pelot North	Schiller

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

11. 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.

12. No manure applications may occur during the "high risk runoff period" of February 1 to March 31 pursuant to s. NR 243.14(6)(c) and NR 243.14(7)(c), respectively.

HEADLAND STACKING

13. No headland stacking sites are approved for non-winter and winter headland stacking.

MANURE & PROCESS WASTEWATER IRRIGATION

14. No fields were requested for approval to receive manure or process wastewater from irrigation.

This conditional approval does not limit the Department's regulatory authority to require NMP revisions based upon new information or request additional information 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 715-214-8576 or Todd.Prill@Wisconsin.gov

Sincerely,

Todd m Prill

Todd Prill
Certified Crop Advisor (CCA)
WDNR Agricultural Runoff Specialist

cc: Katelin Bradley, crop consultant (Katelin.Bradley@agsource.com)
Mark Kaczorowski, DNR Regional Specialist (mark.kaczorowski@wisconsin.gov)
Shane Wucherpfennig, Wood County LCD (shane.wucherpfennig@woodcountywi.gov)
Aaron O'Rourke, WDNR Nutrient Management Program Coordinator (Aaron.Orourke@Wisconsin.gov)
Chris Clayton, WDNR Ag Runoff Section Chief (Christopherr.Clayton@Wisconsin.gov)
File

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

PUBLIC NOTICE OF AVAILABILITY OF A NUTRIENT MANAGEMENT PLAN AND INTENT TO ISSUE A WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM (WPDES) PERMIT No.WI-0066729-01-0

Permittee: Grass Ridge Farm LLC, 5882 County Road E North, Pittsville, WI, 54466

Facility Where Discharge Occurs: Grass Ridge Farm LLC, 5832 County Road E, Pittzville

Receiving Water And Location: Surface water and groundwater within the Hemlock Creek Watershed

Brief Facility Description : Grass Ridge Farm LLC is a proposed Concentrated Animal Feeding Operation (CAFO). Grass Ridge Farm LLC is owned and operated by Paul Lippert. It currently has 1,279 animal units and is proposing to expand to 1,664 animal units during the proposed permit term. Construction schedules have been included in the operation's proposed permit. Grass Ridge Farm LLC has a total of 1,449 acres available for land application of manure and process wastewater. Of this acreage, 363 acres are owned and 1,086 acres are rented.

The Department has tentatively decided that the above specified WPDES permit should be issued.

Permit Drafter's Name, Address, Phone and Email: Mark Kaczorowski, DNR, 225051 Rib Mountain Drive, Wausau, WI, 54401, (715) 218-0089, Mark.Kaczorowski@wisconsin.gov

Persons wishing to comment on or object to the proposed permit action, the terms of the nutrient management plan, or the application, or to request a public informational hearing may write to the Department of Natural Resources at the permit drafter's address. All comments or suggestions received no later than 30 days after the publication date of this public notice will be considered along with other information on file in making a final decision regarding the permit. Anyone providing comments in response to this public notice will receive a notification of the Department's final decision when the permit is issued. Where designated as a reviewable surface water discharge permit, the U.S. Environmental Protection Agency is allowed up to 90 days to submit comments or objections regarding this permit determination. If no comments are received on the proposed permit from anyone, including U.S. EPA, the permit will be issued as proposed.

The Department may schedule a public informational hearing if within 30 days of the public date of this notice, a request for a hearing is filed by any person. The Department shall schedule a public informational hearing if a petition requesting a hearing is received from USEPA or from 5 or more persons or if the Department determines there is significant public interest. Requests for a public informational hearing shall state the following: the name and address of the person(s) requesting the hearing; the interest in the proposed permit of the person(s) requesting the hearing; the reasons for the request; and the issues proposed to be considered at the hearing.

Information on file for this permit action, including the draft permit and fact sheet (if required), the operation's nutrient management plan and application may be inspected and copied at the permit drafter's office, Monday through Friday (except holidays), between 9:00 a.m. and 3:30 p.m. Please call the permit drafter for directions to their office location, if necessary. Information on this permit action may also be obtained by calling the permit drafter at (715) 218-0089 or by writing to the Department. Reasonable costs (15 cents per page for copies and 7 cents per page for scanning) will be charged for information in the file other than the public notice and fact sheet. Permit information is also available on the internet at: http://dnr.wi.gov/topic/wastewater/PublicNotices.html. Pursuant to the Americans with Disabilities Act, reasonable accommodation, including the provision of informational material in an alternative format, will be made to qualified individuals upon request.

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