Permit Fact Sheet

General Information

Permit Number	WI-0064661-03-0
Permittee Name and Address	Prairieland Dairy LLC 364 Remy Rd, Belleville, WI 53508
Permitted Facility Name and Address	Main Farm -- 424 Remy Road, Belleville, WI 53508; NWQ SWQ Section 26 T5N R8E Heifer Facility -- 6736 Frenchtown Road, Belleville, WI 53508
Permit Term	June 01, 2026 to May 31, 2031
Receiving Water	Unnamed tributaries within the Sugar River and Story Creek Watersheds, 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.)	13	0	0	0	
Milking and Dry Cows	1610	1645	0	0	
Heifers (400 lbs. to 800 lbs.)	120	200	0	0	
Total	1743	1645	0	0	

Facility Description

Prairieland Dairy, LLC is an existing Concentrated Animal Feeding Operation (CAFO). Prairieland Dairy, LLC is owned and operated by Mark Fahey. The farm currently has 1,743 animal units (1,150 milking & dry cows, 200 heifers, and 65 calves). Prairieland Dairy, LLC has a total of 2,655.3 acres (1,612.2 owned and 1,043.1 controlled through contracts, rental agreements or leases, or under manure agreements) of which 2,605 are spreadable acres. Prairieland Dairy, LLC has no large expansions planned during the proposed permit term. Approximately 11,784,402 gallons of manure and process wastewater and 1,500 tons of solid manure is predicted to be generated in the first year of the permit term. The farm has approximately 192 days of liquid manure storage and at least 59 days of solid manure storage.

Two facilities are currently covered under the Prairieland Dairy, LLC WPDES Permit. The Main Farm is located at 424 Remy Road, Belleville, WI 53508 and is composed of a freestall barn, a cross ventilation barn, calf barns, a temporary calf hutch area (concrete slab with calf hutches used in times where the barns are full), sand separation facility, two waste storage facilities (Pit 1 and Pit 2), a temporary waste push-out, and a feed storage area which includes a concrete feed storage pad, a first flush collection storage, and a vegetative treatment area. The Heifer Facility is located at 6736

Frenchtown Road, Belleville WI 53508 and is composed of two barns, with the east barn having an underbarn waste storage. All production areas were inspected the day of the inspection

Substantial Compliance Determination

Enforcement During Last Permit: The farm had no enforcement actions taken in the last permit term. The facility has completed all previously required actions as part of the permitting and/or enforcement process.

After a desk top review of all compliance schedule items and pertinent documents, and a site visit on December 19, 2024, this facility has been found to be in substantial compliance with their current 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 liquid waste storage facility 1 (WSF 1). WSF 1 is located on the north side of the Main Dairy. The farm refers to WSF 1 as Pit 2. Pit 2 is a concrete storage facility with a maximum operating level of approximately 1.6 million gallons and was constructed in 2000. This storage accepts manure and process wastewater from the manure separation facility. Pit 2 was last evaluated in 2013 and met permit requirements.	
002	WSF 2: Sample point 002 is for liquid waste storage facility 2 (WSF 2). WSF 2 is located northeast of the Main Dairy. The farm refers to WSF 2 as Pit 1. Pit 1 is a concrete storage facility with a maximum operating level of approximately 3.6 million gallons and was constructed in 2005. This storage accepts manure and process wastewater from the manure separation facility. Pit 1 was last evaluated in 2013 and met permit requirements.	
003	Manure Solids and Sand Separation Facility: Sample point 003 is for the solids removed from the manure. The manure separation facility is located east of the Main Dairy. The facility was constructed in 2005. Sand is removed and dried to be reused as bedding. Solids removed are stored under roof until being land applied in accordance with an approved NMP. Liquid waste is sent to WSF 1 (Pit 2) and WSF 2 (Pit 1). The manure solids and sand separation facility was last evaluated in 2013 and met permit requirements.	
004	Calf Barns Bed Pack: Sample point 004 - This sample addresses the solid manure and bed pack that is collected from calf barns 1-7 at the Main Dairy. This material is land applied as described in their Nutrient Management Plan. During February and March, this material is headland stacked as described in their Nutrient Management Plan.	
005	Heifer Barn Liquid Manure: Sample point 005 is for the underbarn concrete Wieser liquid manure storage tank for the Heifer Facility. This 228 ft. long, 51 ft wide, and 11.7 ft deep tank has the approximate maximum operating level of 886,800 gallons. The underbarn storage was constructed in 2008, evaluated in 2013 and met the permit requirements.	
006	Miscellaneous Solid Manure: Sample point 006 is for miscellaneous solid manure from the Main Dairy and the Heifer Facility. Existing sources of solid manure or separated manure solids that are not consistently mixed with liquid manure or stored in a solid manure storage unit and not covered under other sample points, shall be tracked under this sampling point. Representative samples of pen manure, bedding pack, separated manure solids, solids removed from liquid waste storage facilities, or other solid manure shall be taken.	

Sample Point Designation For Animal Waste		
Sample Point Number	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**	
007	Feed Storage Area & Runoff Control System: Sample point 007 is for visual monitoring and inspection of the feed storage area and associated runoff control system located on the southwest side of the Main Dairy. The system includes a 4,200 gallon in ground holding tank (Sample point 010 (WSF 4)), grass ditch area, and internally drained cropped field. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to the monitoring and inspection program. The system was approved prior to construction in 2012 and met permit requirements in 2013.	
009	Storm Water Runoff Controls: Sample point 009 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 the monitoring and inspection program.	
010	WSF 4: Sample point 010 is for liquid waste storage facility 4 (WSF 4) located at the Main Dairy. WSF 4 is a precast liquid-tight concrete tank storage located at the south end of the feed storage area. The facility has a capacity of 4200 gallons and was constructed in 2012. This storage accepts process wastewater from the feed storage area. WSF 4 was last evaluated in 2013 and met permit requirements.	
011	Proposed Pipping Tank: Sample point 011 is for the proposed liquid waste storage facility that will be located at the Main Dairy. The storage will be located northeast of WSF 1 & WSF 2. The storage is proposed to have the capacity of approximately 5 million gallons. Plans and specifications shall be submitted, reviewed, and approved in accordance to permit section 3.1.13 Submittal of Plans and Specifications.	

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 192 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 1,743 animal units (1,150 milking & dry cows, 200 heifers, and 65 calves), it is estimated that approximately 11,784,402 gallons of manure and process wastewater and 1,500 tons of solid manure will be produced per year. The permittee owns *approximately* 1,612.2 acres of cropland and rents about 1,043.1 acres. Given the rotation commonly used by the permittee, 2,605 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 (≥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- Waste Storage Facility 1; 002- Waste Storage Facility 2; 005- Heifer Barn Manure; 010- WSF 4 FSA Runoff Collection, and 011- WSF - Pipping Tank

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 – Waste Storage Facility 1; 002 – Waste Storage Facility 2; 005 – Heifer Barn Manure; and 010 – WSF 4 FSA Runoff Collection were edited to include a more accurate description.

Sample point 011 was added to describe a proposed liquid waste storage facility the farm intends on constructing this permit term.

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: 003- Manure Solids/Sand Separation; 004- Calf Barns Bed Pack; 006- Miscellaneous Solid Manure

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, Available		lbs/ton	Quarterly	Calculated	
Solids, Total		Percent	Quarterly	Grab	

1.2.1 Changes from Previous Permit

Sample points 003 – Manure Solids/Sand Separation; 004 – Calf Barns Bed Pack; and 006 – Miscellaneous Solid Manure were edited to include a more accurate description.

Sample point 008 – Waste Storage Facility 3, was removed as Prairieland Dairy LLC no longer operates this structure as a waste storage facility.

1.2.2 Explanation of Operation and Management Requirements

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

1.3 Sample Point Number: 007- Feed Storage Area Runoff and 009- Storm Water Runoff Controls

1.3.1 Changes from Previous Permit

Sample point 007 – Feed Storage Area Runoff was edited to include a more accurate description.

1.3.2 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 plan and submitted with the Annual Reports.

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.	07/01/2026

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 30 days of the effective date of this permit.	07/01/2026

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 Feed Storage Area and Runoff Controls- Engineering Evaluation

Applicable to the feed storage area and runoff controls.

Required Action	Due Date
Written Description of Existing System: Submit an engineering evaluation that includes a written description of the existing feed storage area and its adequacy to meet the conditions found in the Production Area Discharge Limitations subsection and NR 243.15, Wis. Adm. Code.	12/31/2026
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.	06/30/2027
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.	09/30/2028

2.6 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	12/01/2030

2.7 Explanation of Schedules

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.

Engineering evaluation of the feed storage area and associated runoff controls (Sample

Point 007) has been included per s. NR 243.16(2) Wis. Admin. Code; the feed storage area and runoff controls have not been evaluated since 2013 and cracks were noted in the bunker walls.

Attachments

Nutrient Management Plan Conditional Approval

Days of Storage No Further Actions Letter

Justification Of Any Waivers From Permit Application Requirements

No waivers requested or granted as part of this permit reissuance

Prepared By: Josie Borgrud Agricultural Runoff Management Specialist Date: 4/9/2026

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
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August 13th, 2025

Dane County
Approval

Mark Fahey
Prairieland Dairy, LLC
364 Remy Rd.
Belleville, WI 53508

SUBJECT: Conditional Approval of Prairieland Dairy, LLC Nutrient Management Plan, WPDES Permit No. 0064661-03-0

Dear Mark Fahey:

After completing a review of Prairieland Dairy, LLC 2025-2029 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 Prairieland Dairy, LLC 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. Specifically, some fields in Prairieland Dairy, LLC may have:

- Soils that may have bedrock or groundwater within 24 inches of surface,
- Multiple setback areas due to streams, conduits to streams, grassed waterways, wetlands or wells, and
- Evidence of possible soil erosion/flow channels. Note: road ditches or other man-made channels may be considered flow channels or conduits to navigable water and may be subject to a SWQMA and setback.

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

FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 1,743 animal units (1,150 milking & dry cows, 200 heifers, and 65 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 11,784,402 gallons of manure and process wastewater and 1,500 tons of solid manure in the first year of the permit term. Once the full pit expansion takes place it is projected that the farm will annually generate approximately 12,368,937 gallons of manure and process wastewater.
3. The use of application restriction options 1 and 5 within surface water quality management areas.
4. The use of phosphorus delivery method P Index.

5. That Prairieland Dairy, LLC currently has 2,655.3 acres (1,612.2 owned and 1,043.1 controlled through contracts, rental agreements or leases, or under manure agreements) of which 2,605 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 2025-2029 Prairieland Dairy, 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 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:	Other Permittee Site ID:	Other Permittee Field ID:	DNR #:
DF42-3	ANDERSON CUSTOM PROCESSING	FRANCOIS	119	251
DF44	ANDERSON CUSTOM PROCESSING	FRANCOIS	120	111482
SUD1	MADISON METROPOLITAN SEWERAGE DISTRICT WWTF	353	3	52087
SUD2	MADISON METROPOLITAN SEWERAGE DISTRICT WWTF	353	2	52086
SUD3	MADISON METROPOLITAN SEWERAGE DISTRICT WWTF	353	3	52087
SUD4	MADISON METROPOLITAN SEWERAGE DISTRICT WWTF	353	1	52085
SUD5	MADISON METROPOLITAN SEWERAGE DISTRICT WWTF	353	3	52087

Prior to any manure applications on these fields Prairieland Dairy, 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 Prairieland Dairy, 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: Prairieland Dairy, LLC 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, Prairieland Dairy, 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. Prairieland Dairy, LLC 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. Prairieland Dairy, LLC 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 form 3200-123.

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:
   - LD1
   - LD1-2
   - LD3
   - J1
   - J4
   - Genin
   - M1

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. The following headland stacking site is located on perched conditions and is therefore not available for use during all typical periods of the year. Due to slope of 2-6%, the site is approved for use with >32% solids only during July – October when depth to subsurface saturation meets requirements and the ground is not frozen/snow covered. The remaining criteria also apply to this site listed below:
    - Sites may only be used for 1 year out of every 2 years.
    - Stacking site area may not exceed ≤40,000 cubic feet.
    - Stacking interval not to exceed 8 months.
   - J4S

14. The following headland stacking sites are approved for use with 16-32% solids during February and March only. These sites are subject to the outlined use guidelines referenced below.
    - Sites may only be used for 1 year out of every 3 years.
    - Stacking site area may not exceed ≤15,000 cubic feet.
    - Stacking interval not to exceed 8 months.
   - E3S
   - Genins 1
   - H3S
   - J1S
   - M1WS
   - M1ES

15. The following headland stacking sites are approved for use with >32% solids only during February and March, or when ground is not frozen or snow-covered during remainder of the year. These sites are subject to the outlined use guidelines referenced below.

- Sites may only be used for 1 year out of every 2 years.
- Stacking site area may not exceed ≤40,000 cubic feet.
- Stacking interval not to exceed 8 months.
- No manure less than 32% solids can be stacked here due to the slope range of 2-6%.

- B3S
- Genins 1
- M1ES
- M1WS
- H3S
- E3S
- J1S

MANURE & PROCESS WASTEWATER IRRIGATION

16. Irrigation of manure or process wastewater is prohibited.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

17. 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.

COMPLIANCE REMINDERS

18. The farm should be cautious to allocate manure to land which supports lowering phosphorus levels on the following field which are all cited to be greater than 150 ppm:
    - H1
    - H7
    - KR08
    - H2
    - H8
    -
    - H6
    - KR07
    -

19. Manure sampling is required to be completed at the following intervals to meet permit requirements:
    - One quarterly sample per solid manure source when hauling takes place.
    - Two liquid samples per month for each source when hauling takes place.

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: Josie Borgrud, WDNR Agricultural Runoff Specialist (josie.borgrud@wisconsin.gov)
Laura Bub, WDNR Watershed Field Supervisor (laura.bub@wisconsin.gov)
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File

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DEPARTMENT OF NATURAL RESOURCES
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WISCONSIN DEPT. OF NATURAL RESOURCES

March 7, 2025

FILE REF: R-2024-0305
WPDES Permit #: WI-0064661

Mark Fahey
Prairieland Dairy LLC
364 Remy Rd
Belleville, WI 53508

Subject: Days of Storage Review for Prairieland Dairy LLCNW¼ of T05N, R08E, Section 26 in Montrose Township, Dane County – NO ADDITIONAL ACTION REQUIRED

Dear Mark Fahey:

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 under certification by Kaesey Glaess Dillman, MSA Professional Services, Inc. on December 31, 2025 with revisions received on January 29, 2025 on behalf of Prairieland Dairy LLC.

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 Prairieland Dairy LLC has 192 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. The current number of animal units provided for the calculation is 1,743. The farm has a proposed expansion condition detailed below. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. Feed Storage Area leachate and 0.1 inches of first flush are most often pumped directly from the collection tank for land application; however, the farm does have the option to transfer to permanent waste storage, so it was included in the calculations. The remaining waste is routed to the farm's VTA.

Existing Total Liquid Waste Storage Capacity (gallons)						
Waste Storage	Total Vol. from Settled Top to Bottom	-Solids Storage	-25-yr, 24-hr Precip. on Storage	25-yr, 24-hr Collected Runoff	Freeboard Vol.	Max. Operating Level (MOL) Vol.
#1	2,011,014		105,995		254,517	1,650,502
#2	4,173,116		146,375		351,000	3,675,741
#3	1,017,228	43,471			86,943	886,814
					Total MOL Vol:	6,213,057
					Days of Storage:	**192**

Existing Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure and Bedding	7,493,316
Parlor Wastewater	3,006,158
Net Precipitation on Storage Surface(s)	1,024,175
FSA First Flush and Leachate	260,753
TOTAL:	**11,784,402**

The submitted calculations state that Prairieland Dairy LLC will have 342 days of storage following proposed expansion. The expansion includes the addition of waste storage facility 5, R-2024-0078, approved by the department on July 18, 2025. The farm is proposing no change in animal units in the expanded condition.

Proposed Total Liquid Waste Storage Capacity (gallons)						
Waste Storage	Total Vol. from Settled Top to Bottom	-Solids Storage	-25-yr, 24-hr Precip. on Storage	25-yr, 24-hr Collected Runoff	Freeboard Vol.	Max. Operating Level (MOL) Vol.
#1	2,011,014		105,995		254,517	1,650,502
#2	4,173,116		146,375		351,000	3,675,741
#3	1,017,228	43,471			86,943	886,814
#4	5,921,137		158,176		378,865	5,384,096
					Total MOL Vol:	11,597,153
					Days of Storage:	**342**

Proposed Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure and Bedding	7,493,316
Parlor Wastewater	3,006,158
Net Precipitation on Storage Surface(s)	1,608,710
FSA First Flush and Leachate	260,753
TOTAL:	**12,368,937**

Should you have any questions, please contact Tabby Davis, DNR Madison office or your regional CAFO 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

Bernie Michaud, P.E.
CAFO Engineer Supervisor
Watershed Management Program

Tabby Davis
CAFO Review Engineer
Watershed Management Program

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