Permit Fact Sheet

General Information

Permit Number:	WI-0067745-01-0
Permittee Name:	Rieden Dairy Farm LLC
Address:	W1324 County Road CCC, Mt. Calvary, WI 53057; [NE ¼ SE ¼ Sec. 28 T16N19E]
Permit Term:	January 01, 2027 to December 31, 2031
Receiving Water	Unnamed tributaries to the 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.)	30	0	45	0	01/01/2027
Milking and Dry Cows	980	1001	1540	1573	01/01/2027
Heifers (800 lbs. to 1200 lbs.)	0	0	44	40	01/01/2027
Pigs (55 lbs. to market)	12	12	12	12	01/01/2027
Sows (each)	1	1	1	1	01/01/2027
Boars (each)	1	0	1	0	01/01/2027
Layers (each) - non-liquid system	8	10	35	43	01/01/2027
Total	1032	1001	1678	1573	

Facility Description

Rieden Dairy LLC (Rieden Dairy) is a new Concentrated Animal Feeding Operation (CAFO) owned and operated by Joe Rieden located in the town of Marshfield, Fond du Lac, Wisconsin. Rieden Dairy consists of a single production site located at W1324 County Road, CCC, Mt. Calvary, WI 53057. The farm currently has 1,032 mixed animal units with plans to expand to 1,678 animal units by the end of their permit term. Records indicated that Rieden Dairy will produce around 8.3 million gallons of manure and process wastewater and 1,200 tons of solid manure in the first year of their permit and approximately 12.7 million gallons of manure and process wastewater and 1,350 tons of solid manure by the end of their permit term. Based on current herd size Rieden Dairy has approximately 202 days of manure/process wastewater storage and currently has 1,383 acres approved in their Nutrient Management Plan, of which 1,357 are available to receive manure. Additional manure storage will be required before the farm can expand to their proposed size.

Substantial Compliance Determination

A notice of noncompliance was issued on 8/27/2025 to Rieden Dairy Farm, LLC for operating above 1,000 animal units without a WPDES permit. To return to compliance, Rieden Dairy submitted a WPDES permit application on January 30, 2026. Due to this being Rieden Dairy's first WPDES permit, a substantial compliance determination is not needed per statute 283.53(3)(b)1.

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 a concrete first-stage storage cell that overflows into WSF 2 located south of the milking parlor. WSF 1 has a maximum operating level of approximately 1.6 million gallons and was constructed in 2008. This storage accepts manure and process wastewater from the western freestall barn. WSF 1 will require an engineering evaluation, see Schedules section for due dates.	
002	WSF 2: Sample point (002) is for liquid waste storage facility 2 (WSF 2). WSF 2 is a concrete second-stage storage cell located east of WSF 1. WSF 2 has a maximum operating level of approximately 2.9 million gallons and was constructed in 2017. This storage accepts manure and process wastewater from the milk parlor, eastern freestall barn, and WSF 1. WSF 2 will require an engineering evaluation, see Schedules section for due dates.	
003	WSF 3: Sample point (003) is for liquid waste storage facility 3 (WSF 3). WSF 3 is an under-floor two-cell precast reception tank located under the east end of the calf barn. WSF 3 has a useable storage capacity of approximately 3,000 gallons and was constructed in 2005. This storage accepts process wastewater generated from the calf barn which is either transferred to WSF 1 or land-applied in accordance with Rieden Dairy's Nutrient Management Plan (NMP). Representative samples shall be taken in accordance with Rieden Dairy's NMP prior to land application. WSF 3 will require an engineering evaluation, see Schedules section for due dates.	
004	Leachate collection ponds: Sample point (004) is for the leachate ponds located north and south of the feed storage area. The ponds accept feed leachate from the feed storage area. Collected leachate is pumped and land applied according to Rieden Dairy's Nutrient Management Plan. Representative samples shall be taken in accordance with Rieden Dairy's NMP prior to land application. An engineering evaluation of the ponds will be required, see Schedules section for due dates.	
005	Settled Solid Manure: Sample point (005) is for any manure solids removed from 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.	
006	Headland Stacked Manure: Sample point (006) 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.	
007	Solid Manure: Sample point (007) 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.	

Sample Point Designation For Animal Waste		
Sample Point Number	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**	
008	Feed Storage Area & Runoff Controls: Sample point (008) is for visual monitoring and inspection of the feed storage area and associated runoff control system located at the western-most side of the production area. The feed storage area consists of a 112,000 square foot asphalt feed pad with a subsurface drainage system around the perimeter of the pad. Proper operation and maintenance is required to ensure discharge meets permit requirements. Weekly inspections are required and shall be recorded according to Rieden Dairy's Monitoring Program. An engineering evaluation of the feed storage area shall be submitted according to the Schedules section of the permit.	
009	Outdoor Lot 1: Sample point (009) is for visual monitoring and inspection of outdoor lot 1 and associated runoff controls. Outdoor lot 1 consists of a concrete walkway and holding area located south of the milking parlor. Outdoor lot runoff is regularly scraped and transported to a WSF. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to Rieden Dairy's monitoring program. An engineering evaluation of the feedlot and runoff control system shall be submitted according to the Schedules section of the permit.	
010	Outdoor Lot 2: Sample point (010) is for monitoring and inspection of outdoor lot 2 and associated runoff controls. Outdoor lot 2 consists of a concrete lot located along the western wall of the eastern barn. Outdoor lot runoff is regularly scraped and transported to a WSF. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to Rieden Dairy's monitoring program. An engineering evaluation of the feedlot and runoff control system shall be submitted according to the Schedules section of the permit.	
011	Storm Water Runoff Control System: Sample point (011) 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 Rieden Dairy's monitoring program.	

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 202 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 1031.7 animal units (700 milking & dry cows, 150 calves, 34 pigs, and 800 layers), it is estimated that approximately 8,341,292 gallons of manure and process wastewater and 1,200 tons of solid manure will be produced in the first year of Rieden Dairy's permit. A planned expansion to increase the herd size to 1677.7 animal units (1100 milking & dry cows, 40 heifers, 225 calves, 34 pigs, and 3500 layers) estimates that approximately 12,740,968 gallons of manure and process wastewater and 1,350 tons of solid manure will be produced by the end of the permit term. The permittee owns *approximately* 390 acres and controls around 993 acres through contracts, rental agreements or leases, or under manure agreements. Given the rotation commonly used by the permittee, 1,357 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- WSF 1; 002- WSF 2; 003- WSF 3; 004- Leachate Collection Ponds

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

None, this is a first-time issuance.

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. Liquid manure requires two liquid samples per source on a monthly basis when hauling.

1.2 Sample Point Number: 005- Settled Solid Manure; 006- Headland Stacked Manure ; 007- 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

None, this is a first-time issuance.

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. Solid manure requires one solid sampler per source on a quarterly basis when hauling occurs.

1.3 Sample Point Number: 008- Feed Storage Area; 009- Outdoor lot 1; 010- Outdoor lot 2, and 011- Storm Water

1.3.1 Changes from Previous Permit

None, this is a first-time issuance.

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 Report.

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, and submit to the Department.	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 Outdoor Lot - Engineering Evaluation

The schedule item pertains to outdoor lot 1 & 2. [Sample points: 009 & 010]

Required Action	Due Date
Retain Expert: Retain a qualified expert to complete an engineering evaluation for outdoor lots 1 & 2 and report the name of the expert to the Department.	01/01/2027
Written Report: Submit a written report evaluating the existing manure storage facility's ability to meet the conditions in the Production Area Discharge Limitations and Manure and Process Wastewater Storage subsections and s. NR 243.15, Wis. Adm. Code. (See Standard Requirements for report details.)	06/30/2027
Plans and Specifications: Submit plans and specifications for Department review and approval in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code, to permanently correct any adverse manure storage conditions.	09/30/2027
Corrections and Post Construction Documentation: Complete construction on the manure storage facility that permanently corrects 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.	06/30/2028

2.6 Feed Storage Area and Runoff Controls - Engineering Evaluation

The schedule item pertains to the feed storage area feed pad and associated runoff controls (northern pond & southern leachate collection ponds). [Sample Points: 004 & 008]

Required Action	Due Date
Retain Qualified Expert: The permittee shall retain a qualified expert to complete an engineering evaluation for the feed storage area feed pad and leachate collection ponds and report the name of the expert to the Department.	01/01/2027

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.	02/01/2027
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.	04/30/2027
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.	06/30/2028

2.7 Manure Storage Facility - Engineering Evaluation

This schedule item pertains to waste storage facilities 1,2, & 3. [Sample Points:001, 002, 003]

Required Action	Due Date
Retain Expert: Retain a qualified expert to complete an engineering evaluation for the manure storage facility 1, 2 and 3 and report the name of the expert to the Department.	01/01/2027
Written Report: Submit a written report evaluating the existing manure storage facility's ability to meet the conditions in the Production Area Discharge Limitations and Manure and Process Wastewater Storage subsections and s. NR 243.15, Wis. Adm. Code. (See Standard Requirements for report details.)	02/01/2027
Plans and Specifications: Submit plans and specifications for Department review and approval in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code, to permanently correct any adverse manure storage conditions.	04/30/2027
Corrections and Post Construction Documentation: Complete construction on the manure storage facility that permanently corrects 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.	06/30/2028

2.8 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

2.9 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.
- Section 2.5- Engineering Evaluations of outdoor lots and associated runoff controls (sample points 090, 010) are required to satisfy NR 243.16(1) Wis. Admin. Code as the department has not previously evaluated the facility.
- Section 2.6- Engineering evaluations of feed storage area and associated runoff controls (sample points 004, 008) are required to satisfy NR 243.16(1) Wis. Admin. Code as the department has not previously evaluated the facility.
- Section 2.7- Engineering Evaluations of waste storage facilities (sample points 001, 002, 003) are required to satisfy NR 243.12(2)(a)3 and NR 243.16(1) Wis. Admin. Code as the department as not previously evaluated the facility or proposed facilities.

Attachments

Farm Overview and Sample Point Maps

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

5-year NMP conditional Approval Letter [10/01/2026]

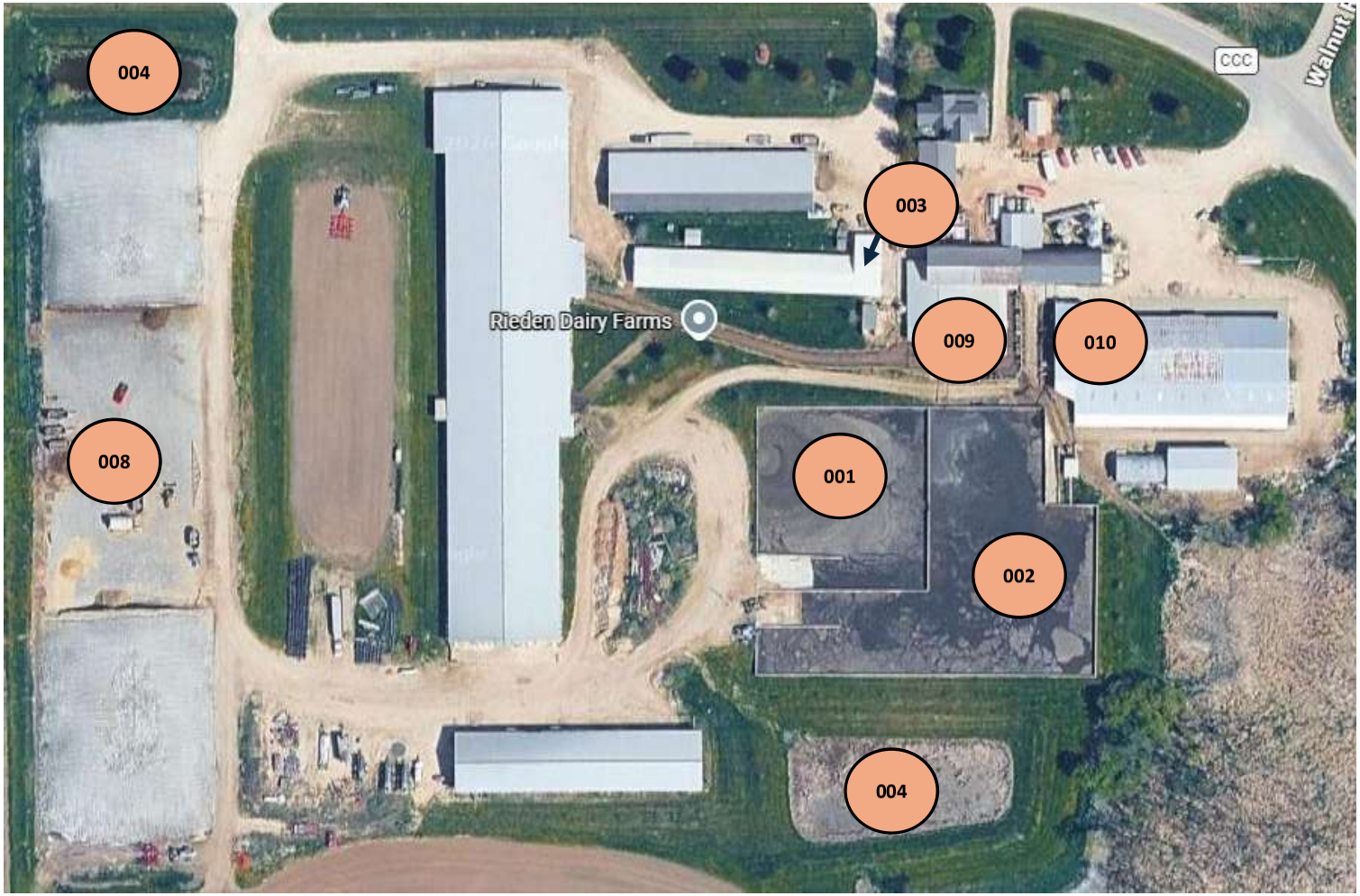
Justification Of Any Waivers From Permit Application Requirements

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

Prepared By: Jean Weaver Agricultural Runoff Management Specialist Date: 10/19/2026

Rieden Dairy Site Overview Map





Sample Points

- 001 WSF 1
- 002 WSF 2
- 003 WSF 3
- 008 Feed Storage Area Feed Pad
- 004 FSA Runoff Controls (North and South Leachate Pond)
- 009 Outdoor lot 1
- 010 Outdoor lot 2

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
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August 21, 2026

FILE REF: R-2026-0040
WPDES Permit #: WI-0063274

Joe Rieden
Rieden Dairy Farm LLC
W1324 County Road CCC
Mt. Calvary, WI 53057

Subject: Days of Storage Review for Rieden Dairy Farm LLCSE¼ of T16N, R19E, Section 28 in Marshfield Township, Fond du Lac County

Dear Joe Rieden:

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 Eric Otte, JE Aurther and Associates, Inc on January 30, 2026 with revisions received on June 9, 2026 and July 22, 2026 on behalf of Rieden Dairy Farm 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. The department requires review of evaluations to make a final no additional action determination on submitted days of storage.

Days of Available Liquid Waste Storage: The submitted information states that Rieden Dairy Farm LLC has 202 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 this site is a new CAFO, evaluations have not been reviewed, and exact days of storage are unable to be verified and subject to change. Structure volumes will be verified with the review of the evaluations. The current number of animal units provided for the calculation is 1,032 with 1,010 animal units contributing to liquid waste. Pigs and chicken waste from the farm is handled as solids. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. Currently, leachate and process wastewater is directed to stormwater ponds on the farm's site which have not been evaluated. Because leachate and process wastewater is managed separately from manure, it is not included in the below calculations. The engineer estimates approximately 2 million gallons of leachate and process wastewater are produced on the site annually.

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	1,944,800		77,483		203,456	1,663,861
#2	3,448,056		134,732		353,782	2,959,542
				Total MOL Vol:		4,623,403
				Days of Storage:		**202**

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	**Annual Gallons**
Manure, Bedding, and Wastewater	7,398,632
Net Precipitation on Storage Surface(s)	942,660
TOTAL:	**8,341,292**

The farm is planning to expand herd size in the upcoming permit term. Following expansion, the farm is planning to have 1,678 animal units. The submitted information states that Rieden Dairy will have 132 days of storage following expansion. The department requires CAFO's to maintain 180 days of liquid waste storage. **The proposed expansion requires additional storage to be compliant with the farm's WPDES permit requirements.** The department requires submittal and approval of plans and specifications prior to construction of new CAFO waste storage facilities.

Should you have any questions, please contact Tabby Feller, 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



Tabby Feller
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Watershed Management Program

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October 1, 2026

Fond du Lac County
Approval

Joe Rieden
Rieden Dairy Farm LLC
W1324 County Road Ccc
Mt. Calvary, WI 53057

SUBJECT: AMENDED Conditional Approval of Rieden Dairy Farm LLC Nutrient Management Plan, WPDES Permit No. 0067745-01-0

Dear Joe Rieden:

After completing a review of Rieden Dairy Farm LLC 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 Rieden Dairy Farm 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.

FINDINGS OF FACT

The Department confirms that:

1. A current mixed dairy herd size of 1031.7 animal units (700 milking & dry cows, 150 calves, 34 pigs, and 800 layers). A planned herd size of 1677.7 animal units (1100 milking & dry cows, 40 heifers, 225 calves, 34 pigs, and 3500 layers) by the end of the permit term.

2. Manure generation and spreading records indicate your herd will annually generate approximately 8,341,292 gallons of manure and process wastewater and 1,200 tons of solid manure in the first year of the permit term and 12,740,968 gallons of manure and process wastewater and 1,350 tons of solid manure by the end of the permit term. Approximately 2,083,278 gallons of feed leachate and runoff is collected and managed separately.

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 Rieden Dairy Farm LLC currently has 1383 acres (390 owned and 993 controlled through contracts, rental agreements or leases, or under manure agreements) of which 1357 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.

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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 Rieden Dairy 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 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 Name	Other Permittee Name	Other Permittee Field Name	DNR #
BPit4	FOND DU LAC WTRRF	FD-611	117611

   Prior to any manure applications on these fields Rieden Dairy 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 Rieden Dairy 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: Rieden Dairy Farm 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, Rieden Dairy 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. Rieden Dairy Farm LLC shall record daily manure applications by using the daily spreading log generated by SnapPlus.

7. Rieden Dairy 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 by using the annual spreading report generated by SnapPlus.

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, excluding the areas with W soils:
   - P1 - R12 - R14 - R18 - R38 - R48 - R53

10. The following field(s) are approved for emergency applications of liquid manure and frozen liquid manure, excluding the areas with W soils:
   - P1 - R12 - R14 - R18 - R38 - R48 - R53

11. 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.

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

13. 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

14. The following headland stacking sites are approved for manure with a solids content of 32% or greater:
   - R06 North - R06 South - R37 North - R37 South

   All manure stacked on headland stacking sites shall comply with the requirements set forth in NR 243.141, as well as the requirements summarized in NRCS 313-14 (2005), Table 9:
   - Stack must be 40,000 cubic feet or less.
   - Headland stacking sites may not be used for more than 8 months out of the year, and not more than 1 out of every 2 years.
   - Headland Stacking site may be used for any periods in the months of February and March, or during periods when the ground is not frozen or snow-covered.

15. The following headland stacking sites are approved for manure with a solids content of 16-32%:
   - R06 North - R06 South

   All headland stacking sites shall comply with the requirements set forth in NR 243.141, as well as the requirements summarized in NRCS 313-14 (2005), Table 9:
   - Stack must be 15,000 cubic feet or less.
   - Headland stacking sites may not be used for more than 8 months out of the year, and not more than 1 out of every 3 years.
   - Headland Stacking site may be used for any periods in the months of February and March.
   - Stack must meet required surface separation distances (refer to Table 9).

NR243.143/151.075 SILURIAN BEDROCK PERFORMANCE STANDARDS

16. Manure generated by Rieden Dairy Farm LLC 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.
   - HB1 - R12

MANURE & PROCESS WASTEWATER IRRIGATION

17. Irrigation of manure or process wastewater is prohibited.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

18. 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.

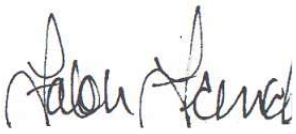
19. The farm is required to take a minimum number of manures samples to meet permit requirements as follows:
    - Solid Manure: One solid sample per source on a quarterly basis when hauling occurs.
    - Liquid Manure: Two liquid samples per source on a monthly basis when hauling occurs.

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) 228-5265 or Falon.French@Wisconsin.gov.

Sincerely,



Falon French
WDNR CAFO Intake/Nutrient Management Specialist
Wisconsin Department of Natural Resources

cc: Jean Weaver, WDNR Agricultural Runoff Management Specialist (jeanm.weaver@wisconsin.gov)
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