Permit Fact Sheet

General Information

Permit Number	WI-0063045-05-0
Permittee Name and Address	Burnside Dairy Inc W1984 Cty Rd K, Durand, WI 54726
Permitted Facility Name and Address	Burnside Dairy Inc W1984 Cty Rd K, Durand, WI 54726
Permit Term	April 01, 2026 to March 31, 2031
Discharge Location	Nelson Township, Buffalo County
Receiving Water	Unnamed Tributary to Little Bear Creek
Discharge Type	Existing Source CAFO

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.)	62	0	82	0	09/01/2029
Milking and Dry Cows	2520	2574	3010	3075	09/01/2029
Heifers (400 lbs. to 800 lbs.)	327	545	693	1155	09/01/2029
Heifers (800 lbs. to 1200 lbs.)	605	550	1320	1200	09/01/2029
Total	3514	2574	5105	3075	

Facility Description

Burnside Dairy, Inc. is a Concentrated Animal Feeding Operation (CAFO) dairy farm located within Nelson Township, in Buffalo County. The farm is owned and operated by the Weisenbeck Family and currently operates with approximately 1,800 milking/dry cows, 1,095 heifers, and 310 calves (~ 3,514 animal units). By 2029, the farm is proposing to expand to approximately 2,150 milking/dry cows, 2,355 heifers, and 410 calves (~5,105 animal units).

The site is composed of several cow barns, heifer barn, calf barn, feed pad, sand recovery system, manure separation system, and two waste storage structures. Based on current conditions, the two waste storage structures provide the farm with approximately 337 days of manure storage. After the proposed herd expansion, the two waste storage structures would provide the farm with approximately 265 days of manure storage.

Substantial Compliance Determination

Enforcement During Last Permit:

- Notice of Violation issued on September 17, 2021, for production area discharge during an accidental milkhouse spill.
- Notice of Noncompliance issued on February 1, 2024, for spreading manure on a field not included in the farm's nutrient management plan.
- Notice of Noncompliance issued August 23, 2024, for improper implementation of the nutrient management plan, specifically applying nutrients at rates above UW-recommendations on a number of fields.

Burnside Dairy has worked through enforcement actions listed above and have taken steps to prevent future noncompliance.

After a review of annually submitted reports, permit reissuance application materials, a production area site inspection on August 13, 2025, and a manure application inspection on October 15, 2025, Burnside Dairy is in substantial compliance with their WPDES CAFO permit.

Compliance determination made by Jeff Jackson – DNR Agricultural Runoff Specialist on December 19, 2025.

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	Manure Lagoon: Sample point 001 is for liquid waste stored in waste storage facility 1 (Manure Lagoon). Manure Lagoon is a former clay-lined storage structure located northeast of the milking parlor. This structure was expanded and re-lined to concrete in 2024 with department approval. The structure has a maximum operating level capacity of approximately 24.5 million gallons. This storage accepts manure and process wastewater generated at the site.	
002	Leachate Lagoon: Sample point 002 is for liquid waste stored in waste storage facility 2 (Leachate Lagoon). The Leachate Lagoon is a concrete-lined storage structure located north of the freestall barns. The structure has a maximum operating level capacity of approximately 3.1 million gallons and was constructed in 2019 with department approval. This storage accepts leachate and runoff generated from the feed pad. Irrigation of process wastewater from this structure was approved in the 2025 NMP Approval Letter.	
003	Daily Generated Solids: Sample point 003 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 pack, calf pen pack, etc. Representative samples shall be taken for each manure source type.	
006	Feed Storage Pad & Runoff Control System: Sample point 006 is for visual monitoring & inspection of the feed storage pad and associated runoff control system. Proper operation and maintenance are required to prevent unlawful discharges. Weekly inspections are required and shall be recorded according to monitoring program.	
008	Storm Water Runoff Control System: Sample point 008 is for visual monitoring and inspection of all production site storm water conveyance systems. This includes drainage tile systems, grassed waterways, and other diversion systems that transport uncontaminated storm water off site. Proper operation and	

Sample Point Designation for Animal Waste		
Sample Point Number	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**	
	maintenance are required to keep uncontaminated runoff diverted away from manure and other raw materials.	
009	Manure Stacking & Compost Pad: Sample point 009 is for solid manure and composted material stored on the stacking pad. This pad was constructed in 2024 with department approval and is designed to allow runoff to flow directly into the Manure Lagoon. Representative samples shall be taken for each manure source type when land applying.	

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 337 days of storage for liquid manure. If the permittee completes their full proposed expansion, they would have roughly 265 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.

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 1,800 cows, 1,095 heifers, and 310 calves, it is estimated that approximately 30 million gallons of liquid manure and process wastewater, in addition to 800 tons of solid manure, will be produced per year. The permittee owns *approximately* 1,885 acres of cropland and rents or has contracts with about 425 additional cropland acres. Of these acres, roughly 2,210 acres are considered spreadable for manure and process wastewater. The permit requires all landspreading of manure and process wastewater be completed in accordance with an approved nutrient management plan. The permit will require sampling and analysis of manure and process wastewater that will be landspread. Landspreading rates must be adjusted based on sample analysis. The permit requires the permittee to maintain a daily log that documents landspreading activities. The permit also requires the submittal of an annual report that summarizes all landspreading activities. Plans must be updated annually to reflect cropping plans and other operational changes. Among the requirements, the plans must include detailed landspreading information including field by field nutrient budgets.

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

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

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

Monitoring and Sampling Requirements

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

Sampling Points

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

1.1 Sample Point Number: 001- Manure Lagoon; 002- Leachate Lagoon

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

The description of Sample Point 001 has changed due to the structure being relined to concrete and expanded in 2024.

1.1.2 Explanation of Operation and Management Requirements

Permit sampling requires for these structures have not changed from the previous permit. Liquid manure and process wastewater must be properly stored, sampled, and land applied in accordance with the farm's nutrient management plan.

1.2 Sample Point Number: 003- Daily Generated Solids and 009- Manure Stacking & Compost Pad

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 Point 009 has been added to reflect the recently constructed manure stacking & composting pad.

1.2.2 Explanation of Operation and Management Requirements

Solid manure must be properly sampled and land applied in accordance with the farm's nutrient management plan.

1.3 Sample Point Number: 006- Feed Storage Pad and 008- Stormwater Controls

1.3.1 Changes from Previous Permit

Sample Point 007 (Old Feed Bunkers & runoff controls) has been inactivated since the structure was abandoned and removed.

1.3.2 Explanation of Operation and Management Requirements

The 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, available to the Department upon request.	04/30/2026

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.	04/30/2026

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
Submit NMP Update #1: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2027
Submit NMP Update #2: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2028
Submit NMP Update #3: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2029
Submit NMP Update #4: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2030
Submit NMP Update #5: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2031
Ongoing Management Plan Annual Updates: Continue to submit Annual Updates to the Nutrient Management Plan until permit reissuance has been completed.	

2.5 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	10/02/2030

2.6 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.

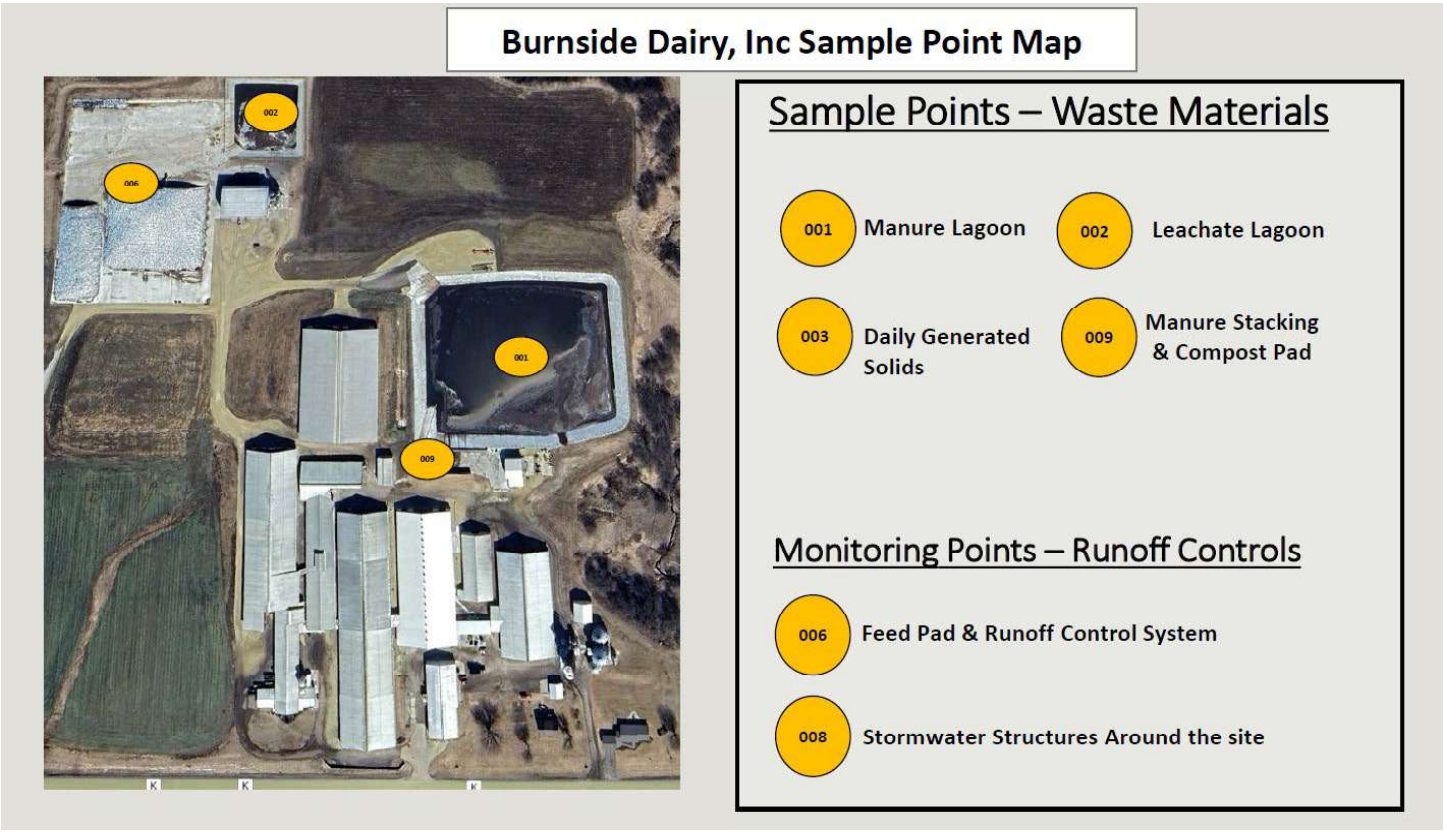
Attachments:

- Burnside Dairy Sample Point Map
- Nutrient Management Plan Approval Letter
- Days of Storage Approval Letter

Justification Of Any Waivers from Permit Application Requirements

No waivers requested or granted as part of this permit reissuance

Prepared By: Jeffrey Jackson Agricultural Runoff Specialist **Date:** December 19, 2025



State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster St., PO Box 7921
Madison, WI 53707

Tony Evers, Governor
Karen Hyun,Ph.D, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

November 7th, 2025

Buffalo County
Approval

Paul Weisenbeck
Burnside Dairy, Inc
W1984 County Road K
Durand, WI 54726

SUBJECT: Conditional Approval of Burnside Dairy, Inc Nutrient Management Plan, WPDES Permit No. 0063045-05

Dear Darin Strauss:

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

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

FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 3,514 animal units (1,800 milking & dry cows, 1,095 heifers, and 310 calves). A planned herd size of 5,105 animal units (2,150 milking & dry cows, 2,355 heifers, and 410 calves) by 2029.
2. Manure generation and spreading records indicate your herd will annually generate approximately 29,972,335 gallons of manure and process wastewater and 800 tons of solid manure in the first year of the permit term. By year 2029, it is estimated that your herd will annually generate approximately 38,091,151 gallons of manure and process wastewater and 1,408 tons of solid manure.
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 Burnside Dairy, Inc currently has 2,310 acres (1,884.8 owned and 425.2 controlled through contracts, rental agreements or leases, or under manure agreements) of which 2,209.9 are spreadable acres.
6. That all fields will be checked for the following features prior to/during manure or process wastewater applications: soil areas with possible shallow groundwater (i.e., within 24 inches of surface) at the time of manure application; required setbacks associated with wells, navigable waters, conduits to navigable waters, grassed waterways, wetlands, possible soil erosion/flow channels.
7. That surface applications of manure will not be completed when precipitation capable of producing runoff is forecasted within 24 hours of the time of planned application.

CONDITIONAL NUTRIENT MANAGEMENT PLAN APPROVAL

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

FIELD AND MANURE MANAGEMENT

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

2. The following fields are prohibited from receiving applications of manure or process wastewater:
   - 06 (>200 ppm P)
   - JAS (>200 ppm P)
   - JBN (>200 ppm P)

   If Burnside Dairy, Inc wishes to use these fields for applications of manure or process wastewater all necessary information shall be submitted to the Department prior to application to demonstrate compliance with NR 243 and other applicable codes. Written Department approval amending this condition approval must be received prior to application.

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, BURNSIDE DAIRY, INC may use the following equation to adjust the first-year available nitrogen when applications are injected or incorporated within 1 hour:

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

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

7. Burnside Dairy, Inc shall annually submit a spreading report that summarizes the land application activities listed under NR 243.19(3)(c)5., Wis. Adm. Code by using 'DNR CAFO Annual Spreading Report (CNM1)' generated by Snap Plus.

WINTER SPREADING

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

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

- 1	- 2	- 3	- 4
- 7	- 12E	- 15	- 19
- 22	- 25	- 45	- 56
- 58	- 61	- 63	- 71

- 79 - 84

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

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

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

HEADLAND STACKING

13. No headland stacking sites are approved.

MANURE & PROCESS WASTEWATER IRRIGATION

14. The following fields are approved for feed leachate applications using an irrigation center pivot:
    - 12E - 25 - 61

15. Irrigation application rates shall be limited to 10,000 gallons per acre (may be less in SWQMAs), per application event or 10,000 gallons per acre over a 5 day period if split applications are used.

16. Burnside Dairy, Inc shall allow a rest period of 5 days or more between each application event.

17. Irrigation applications during daytime hours shall not occur if sustained wind speeds of 10 miles per hour or more are documented. Sustained wind shall be defined as the average wind speed over a 15 minute period.

18. Irrigation applications during night time hours are prohibited. Sustained wind shall be defined as the average wind speed over a 15-minute period.

19. Irrigation applications shall not occur when wind gusts exceed 20 miles per hour.

20. Burnside Dairy, Inc shall visually monitor fields receiving manure irrigation applications every 2 hours or more frequently. Visual monitoring results shall be documented using the 'Irrigation Application Record Sheet'. Copies of these forms shall be submitted to the department annually with the NMP Update and provided to the department upon request.

21. If Burnside Dairy, Inc receives approval from an adjacent dwelling resident to apply within 250 feet, the reduced setback does not become effective until a copy of the agreement is submitted to the department.

22. If additional fields are selected by Burnside Dairy, Inc for irrigation applications, those fields cannot be used for that purpose until department review and written approval is obtained.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

23. 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.

24. 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.

25. If leachate was applied in 2025, please submit any samples to the department from this hauling season by **January 12th, 2025**.

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:

Jeff Jackson, WDNR Agricultural Runoff Specialist (jeffrey.jackson@wisconsin.gov)
Brad Johnson, WDNR Watershed Field Supervisor (bradley.johnson@wisconsin.gov)
Erin Hanson, Acting Section Chief-Runoff Management Section (erin.hanson@wisconsin.gov)
Aaron O'Rourke, WDNR Nutrient Management Program Coordinator (aaron.orourke@wisconsin.gov)
Falon French, WDNR Intake Specialist (falon.french@wisconsin.gov)
Tabby Davis, WDNR CAFO Engineer (tabatha.davis@wisconsin.gov)
Cale Severson, Buffalo County (cale.severson@co.buffalo.wi.us)
Josh Noble, Rock River Lab (josh_noble@rockriverlab.com)
File

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November 6, 2025

FILE REF: R-2025-0256
WPDES Permit #: WI-0063045

Paul Weisenbeck
Burnside Dairy Inc
W1984 Cty Rd K
Durand, WI 54726

Subject: Days of Storage Review for Burnside Dairy IncNW¼ of T23N, R13W, Section 02 in Nelson Township, Buffalo County – NO ADDITIONAL ACTION REQUIRED

Dear Paul Weisenbeck:

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 David McDaniel P.E., Auth Consulting & Associates on October 22, 2025 on behalf of Burnside Dairy Inc.

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

Days of Available Liquid Waste Storage: The submitted information states that Burnside Dairy Inc has 337 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 3,514. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. The farm uses a sand separation system to remove sand bedding from manure waste. All feedlot and feed storage are runoff up to the 25-year, 24-hour storm is collected in permanent waste storage.

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	27,144,066		808,871	32,489	1,754,711	24,547,995
#2	4,546,460		196,718	845,119	415,589	3,089,034
					Total MOL Vol:	27,637,029
					Days of Storage:	**337**

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure	16,667,773
Parlor Wastewater	3,832,500
Feed Storage Leachate	224,400
Feed Storage Runoff Collected	4,997,680
Net Precipitation on Storage Surface(s)	4,044,741
Feedlot Runoff	205,241
TOTAL:	**29,972,335**

The farm is planning to expand to 5,105 animal units in the upcoming permit term. Under the expanded condition the farm is projected to have 265 days of liquid manure storage.

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	27,144,066		808,871	32,489	1,754,711	24,547,995
#2	4,546,460		196,718	845,119	415,589	3,089,034
					Total MOL Vol:	27,637,029
					Days of Storage:	**265**

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure	24,147,839
Parlor Wastewater	4,471,250
Feed Storage Leachate	224,400
Feed Storage Runoff Collected	4,997,680
Net Precipitation on Storage Surface(s)	4,044,741
Feedlot Runoff	205,241
TOTAL:	**38,091,151**

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

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