Permit Fact Sheet

General Information

Permit Number	WI-0065498-02-0
Permittee Name and Address	Augustine Dairy Farm N7232 Hill Creek Road, Sheldon, WI 54766
Permitted Facility Name and Address	Augustine Dairy Farm N7232 Hill Creek Road Sheldon, WI 54766
Permit Term	November 01, 2025, to October 31, 2030
Receiving Water	Shoulder Creek within the Jump River Watershed
Discharge Type	Existing, continuous

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.)	4	0	0	0	
Milking and Dry Cows	1582	1616	0	0	
Heifers (800 lbs. to 1200 lbs.)	110	100	0	0	
Total	1696	1616	0	0	

Facility Description

Augustine Dairy Farm is a Concentrated Animal Feeding Operation (CAFO) dairy farm in the Town of Mckinley in Taylor County, Wisconsin. Augustine Dairy Farm is owned and operated by Nancy and Paul Augustine. The dairy's production area includes two freestall barns, milking parlor, one waste storage facility, sand settling lane and stacking pads, feed storage area, and calf hutch area.

The dairy has a herd size of 1,696 animal units (1,130 milking and dry cows, 100 heifers, and 20 calves). Augustine Dairy Farm currently produces approximately 17,979,832 gallons of liquid manure and process wastewater, and approximately 100 tons of solid manure annually. During this permit term there are no plans for expansion

Augustine Dairy Farm has a total of 2,404 cropland acres included in their nutrient management plan. Of these acres, 1,006 are owned and 1,108 controlled through contracts, rental agreements, or leases, or under manure agreements, of which 2,012 acres are available for spreading. Acres in the nutrient management plan are in Taylor, Rusk, and Chippewa Counties.

Substantial Compliance Determination

Enforcement During Last Permit:

The Department issued a notice of noncompliance to Augustine Dairy Farm on September 9, 2025, for missing manure samples and overapplications of nitrogen during the 2024 Crop Year. Augustine Dairy Farm has provided the Department with the needed information and the Department issued a compliance demonstrated letter on September 9, 2025.

After a desk top review of all annul reports, nutrient management plan updates, compliance schedule items, and a site visit on July 23, 2025, 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	Sample point 001 is for WSF 1. WSF 1 is located east of the freestall barns and accepts manure and wastewater from the freestall barns, feed storage area, and sand stacking area. It is a clay lined structure built in 2007. The WSF is a two-stage structure with a capacity of 10.1 million gallons. It was last evaluated in 2017 and met permit requirements.	
002	Sample point 002 is for the sand settling lane and sand stacking pad. The sand settling lane and sand stacking pad are located north of the freestall barns and were built in 2007. The sand lane discharges to the recirculation tank. They were last evaluated in 2017 and met permit requirements.	
003	Sample point 003 is for the recirculation tank. The recirculation tank is located east of the sand settling lane and was built in 2007. It accepts manure and wastewater from the sand lane. It was last evaluated in 2017 and met permit requirements.	
005	Sample point 005 is for the feed storage area and runoff control system. It is for visual monitoring and inspection of the feed storage area and associated runoff control system. Proper operation and maintenance is required to ensure discharges of process wastewater to waters of the state do not occur. Weekly inspections are required and shall be recorded according to monitoring program. It was built in 2015 under Department approved plan and specs.	
006	Sample point 006 is for any manure solids removed from the bottom of the WSF. This includes manure-laden sand solids, manure fiber solids, etc. Representative samples shall be taken from each WSF.	
007	Sample point 007 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 to waters of the state do not occur.	
008	Sample point 008 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.	
009	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	

Sample Point Designation For Animal Waste		
Sample Point Number	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**	
	required to keep uncontaminated runoff diverted away from manure and process wastewater handling systems. Weekly inspections are required and shall be recorded according to monitoring program.	

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 221 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 a current herd size of 1,696 animal units (1,130 milking and dry cows, 100 heifers, and 20 calves), it is estimated that approximately 17,979,832 gallons of manure and process wastewater will be produced per year. The permittee owns *approximately* 1,006 acres of cropland and rents about 1,108 acres. Given the rotation commonly used by the permittee, 2,012 acres are available (or open) to receive manure and process wastewater on an annual basis. The permit requires all landspreading of manure and process wastewater be completed in accordance with an approved nutrient management plan. The permit will require sampling and analysis of manure and process wastewater that will be landspread. Landspreading rates must be adjusted based on sample analysis. The permit requires the permittee to maintain a daily log that documents landspreading activities. The permit also requires the submittal of an annual report that summarizes all landspreading activities. Plans must be updated annually to reflect cropping plans and other operational changes. Among the requirements, the plans must include detailed landspreading information including field by field nutrient budgets.

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

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

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

Monitoring and Sampling Requirements

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

Sampling Points

The permit identifies the different sources of land applied materials (e.g., manure storage facilities, milking centers, egg-washing facilities) as "Sampling Points." For these Sampling Points, the permittee is required to sample and analyze the different sources for nutrients and other parameters which serve as the basis for determining rates of application for these materials. Other areas are also identified as Sampling Points as a means of identifying them as areas requiring action by

the permittee, such as an upgrade or evaluation of a certain system or structure (e.g., runoff control systems), even though sampling is not actually required.

1.1 Sample Point Number: 001- Waste Storage Facility 1; 003- Recirculation 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 Point 004 has been removed since waste is not pumped directly from the system and land applied.

1.1.2 Explanation of Operation and Management Requirements

This section meets CAFO sampling requirements

1.2 Sample Point Number: 002- Sand Lane / Sand Stacking Pad; 006- Solids removed from WSF; 007- Headland Stacking ; 008- 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

No change.

1.2.2 Explanation of Operation and Management Requirements

This section meets CAFO sampling requirements

1.3 Sample Point Number: 005- Feed Storage Area and 009- Storm Water

1.3.1 Changes from Previous Permit

No change.

1.3.2 Explanation of Operation and Management Requirements

This section meets CAFO monitoring and inspection requirements.

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.	11/30/2025

2.2 Explanation of Schedules

An emergency response plan is required to be developed per s. NR 243.13(6)(a).

2.3 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.	11/30/2025

2.4 Explanation of Schedules

A monitoring and inspection program is required to be submitted per s. NR 243.19(1).

2.5 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.	01/31/2026
Submit Annual Report #2: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2027
Submit Annual Report #3: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2028
Submit Annual Report #4: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2029
Submit Annual Report #5: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2030
Ongoing Annual Reports: Continue to submit Annual Reports until permit reissuance has been completed.	

2.6 Explanation of Schedules

Annual reports are required to be submitted per s. NR 243.19(3).

2.7 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.	03/31/2026
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.	03/31/2027
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.	03/31/2028
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.	03/31/2029
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.	03/31/2030
Ongoing Management Plan Annual Updates: Continue to submit Annual Updates to the Nutrient Management Plan until permit reissuance has been completed.	

2.8 Explanation of Schedules

Nutrient management plan updates are required to be submitted per s. NR 243.19(3).

2.9 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	05/04/2030

2.10 Explanation of Schedules

Standard CAFO requirement.

Attachments

NMP Conditional Approval Letter

180 day 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: Jeffrey Jackson Agricultural Runoff Management Specialist **Date:** September 17, 2025

Augustine Dairy Farm Sample Points

Sample Points – Waste Materials

- 001 Waste Storage Facility 1
- 002 Sand Settling Lane And Stacking Pads
- 003 Recirculation Tank
- 006 Solids from WSF 1
- 008 Solid Sources Directly Land Applied

Sample Points – Runoff Controls

- 005 Feed Storage and Runoff Controls
- 009 Stormwater Runoff Control System

Sample Point – Outside of Production Area

- 007 Headland Stacking

State of Wisconsin
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March 27, 2025

FILE REF: R-2024-0142
WPDES Permit #: WI-0065498

Nancy Augustine
Augustine Dairy Farm
N7232 Hill Creek Road
Sheldon, WI 54766

Subject: Days of Storage Review for Augustine Dairy Farm in T33N, R04W, Section 31, McKinley Township, Taylor County – NO ADDITIONAL ACTION REQUIRED

Dear Ms. Augustine:

This letter is to inform you that the Wisconsin Department of Natural Resources (Department) has completed its review of the calculation of days of storage submitted by David McDaniel, P.E., Auth Consulting on May 21, 2024 with revisions received on March 24, 2025 on behalf of Augustine Dairy Farm.

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 Augustine Dairy Farm has 221 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 1,696. There is currently no expansion proposed within the permit term. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. The feedpad runoff collection system is currently a first flush collection system and pumps the leachate and first flush contaminated runoff to the second stage storage of the WSF. There is one single WSF with two stages that has been divided into Stage 1, Stage 2, and Top (area above the separation berm) for the purposes of this review.

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	**Annual Gallons**
Manure and Bedding:	9,288,140
Parlor Wastewater:	2,524,340
Total Feed Storage Leachate:	134,921
Total Feed Storage Runoff Collected:	2,866,989
Net Precipitation on Storage Surfaces:	2,168,624
Stacking Pad Runoff Collected:	933,808
Total Liquid Waste Stored Below the MOL:	**17,916,821**

Total Liquid Waste Storage Capacity (Gallons)						
Waste Storage	Total Volume from Top to Bottom	-Remaining Solids	-25-yr, 24-hr Precipitation on Storage	-25-yr, 24-hr Collected Runoff	-Freeboard Volume	Max. Operating Level (MOL) Volume
Stage #1	2,716,086	386,673	0	0	0	2,329,413
Stage #2	4,050,359	404,848	0	0	0	3,645,511
Stage Top	6,644,302	0	502,077	29,811	1,249,766	4,862,648
					Total MOL Volume:	10,837,572

Should you have any questions, please contact Rob 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

Rob Davis, P.E.
CAFO Review Engineer
Watershed Management Program

Email:
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July 30th, 2025

Taylor County
Approval

Nancy Augustine
Augustine Dairy Farm
N7232 Hill Creek Road
Sheldon, WI 54766

SUBJECT: Conditional Approval of Augustine Dairy Farm Nutrient Management Plan, WPDES Permit No. 0065498-02.0

Dear Nancy Augustine:

After completing a review of Augustine Dairy Farm 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 Augustine Dairy Farm review the NMP with those individuals involved with manure applications to ensure all remain familiar with the approved manure spreading protocol, spreading maps, field and map verification, record keeping requirements, and all the conditions of this approval.

FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 1,696 animal units (1,130 milking & dry cows, 100 heifers, and 20 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 17,979,832 gallons of manure and process wastewater and 150 tons of solid manure in the first year of the permit term.
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 Augustine Dairy Farm currently has 2,640 acres (1,006 owned and 1,634 controlled through contracts, rental agreements or leases, or under manure agreements) of which 2,596 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 Augustine Dairy Farm 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. 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.

3. 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.

4. 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, Augustine Dairy Farm may use the following equation to adjust the first year available nitrogen when applications are injected or incorporated within 1 hour:

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

5. Augustine Dairy Farm shall record daily manure applications by using the 'Daily Log' generated by Snap plus. These forms shall be retained at the farm and provided to the department upon request.

6. Augustine Dairy Farm 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 'CAFO Annual Spreading Report' as generated by Snap Plus.

WINTER SPREADING

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

8. The following field(s) are approved for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:
   - Detlaff Flatts
   - Bills New House
   - Dorseys
   - Langs
   - Kozials North
   - Lunds
   - Rogers North
   - Krosovics

9. The following field(s) are denied for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:
   - Poogels (unmarked areas of channelized flow)
   - Walt (no map)

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 sites were denied due to placement in relation to restriction features:
    - Dougs West of House A, B, & C (located in SWQMA area)
    - Dougs Back Field A, B, & C (proximity to wetland)
    - South Farm South of Building A,B (distanced to concentrated flow pathway)
    - Dougs East of House A, B, & C (proximity to wetland and sensitive areas)
    - South Farm North of Building A, B, C, & D (distance to concentrated flow pathway)

MANURE & PROCESS WASTEWATER IRRIGATION

14. Irrigation of manure or process wastewater is prohibited.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

15. 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 & FOLLOW UP REQUIREMENTS

16. The farm is to have full planning for each year of the permit term of any solids generated. This is necessary to put back into the plan and submit documentation to the department by **August 8th, 2025**. Reports requested would be the following: Compliance Check, Nutrient Mass Balance, Sorted by Crop (all future years), 590 assessment.

17. All applications of manure should be verified for compliance in the NMP to make sure planned rates are not in exceedance of nutrient requirements laid out in Snap Plus. The farm is responsible for carrying out rates which are not in exceedance of nutrient requirements laid out in Snap Plus & UWA2809.

18. 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:

Mark Kaczorowski, WDNR Agricultural Runoff Management Specialist (mark.kaczorowski@wisconsin.gov)
Jeff Jackson, WDNR Agricultural Runoff Management Specialist (jeffrey.jackson@wisconsin.gov)
Joseph Cunningham, WDNR Agricultural Runoff Management Specialist (joseph.cunningham@wisconsin.gov)
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