# Permit Fact Sheet

## General Information

| | |
|---|---|
| Permit Number | WI-0056731-07-0 |
| Permittee Name and Address | Stencil Dairy Farms LLC<br>4819 Glenview Rd, Denmark, WI 54208 |
| Permitted Facility Name and Address | Stencil Dairy Farms LLC<br>4819 Glenview Road Denmark |
| Permit Term | 11/1/2025 to 10/31/2030 |
| Discharge Location | 4819 Glenview Road Denmark |
| Receiving Water | in the East River Watershed in East River of Fox River (lower) in Brown County |
| Discharge Type | Existing |

| **Animal Units** | | | | | |
|---|---|---|---|---|---|
| | **Current AU** | | **Proposed AU**<br>**(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.) | 60 | 0 | 0 | 0 | |
| Milking and Dry Cows | 2100 | 2145 | 0 | 0 | |
| Heifers (400 lbs. to 800 lbs.) | 300 | 500 | 0 | 0 | |
| Heifers (800 lbs. to 1200 lbs.) | 413 | 375 | 0 | 0 | |
| Total | 2873 | 2145 | 0 | 0 | |

## Facility Description

Stencil Dairy Farms LLC is a Concentrated Animal Feeding Operation (CAFO) owned and operated by Shelley Stencil. It currently has 2,873 animal units and based on current herd size, Stencil Dairy Farms LLC has approximately 238 days of liquid waste storage. Stencil Dairy Farms generates 23,490,859 gallons of liquid manure and process wastewater and 1,229 tons of solid manure annually. Stencil Dairy Farms LLC has a total of 6,014.9 acres available for land application of manure and process wastewater. Of this acreage, 5,861.4 are spreadable, 3,776.5 are owned, and 2,238.4 are rented or controlled through contracts.

## Substantial Compliance Determination

**Enforcement During Last Permit:**

Stencil Dairy Farms LLC received two Notices of Non-Compliance (NONs) in 2018 for the following infractions:

1. Failure to submit engineering evaluations in a timely manner for Waste Storage Facility (WSF) 1 and the runoff controls for the feed storage area.
2. Improper manure application on fields as outlined in their nutrient management plan.

Stencil Dairy Farms LLC was issued two Notices of Violation (NOVs):

1. In 2021, the farm received an NOV for not reporting the name of a qualified expert responsible to conduct the engineering evaluation of WSF 1 and the feed storage area runoff control system to the department.
2. In 2024, the farm received an NOV for failing to complete the necessary upgrades to WSF 1 and the runoff control system.

Measures were taken to correct all outstanding compliance issues.

After a desk top review of all annual reports, NMP updates and compliance schedule items, this facility has been found to be in substantial compliance with their current permit.

**Compliance determination made by Makayla Jacobs, agricultural runoff specialist on 9/8/2025.**

| **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 a liquid manure and process wastewater land applied from waste storage facility 1 (WSF 1) located at the main dairy site. WSF 1 is an earthen storage facility consisting of two cells located NE of the production area. This facility has a maximum operating level capacity of 5.4 million gallons and was constructed in 1978 and modified in 2024. This storage facility accepts manure and process wastewater from the free stall barns and the milking parlor via a manure transfer system. | |
| 002 | Misc Solids: Sample point 002 is for solid manure sources that are directly land applied and not stored in a waste storage facility. This includes solids sources such as calf hutch manure, maternity pen bed pack, heifer bed pack, steer manure, etc. Representative samples shall be collected for each manure source type. | |
| 003 | Separated Solids: Sample point 003 is for separated solids that are stored on the composting storage pad prior to being used as bedding. Representative samples shall be collected only if solids are directly land applied from this location. Separated solids may also be distributed to another party in accordance with Department approval and the Distribution of Manure and Process Wastewater section of permit. | |
| 004 | WSF 3: Sample point 004 is for liquid manure and process wastewater land applied from waste storage facility 3 (WSF 3) located at the main farm site. WSF 3 is an earthen storage facility located directly north of WSF 1. This facility has a maximum operating level capacity of 5.9 million gallons and was constructed in 2001. This storage facility accepts manure and process wastewater from the free stall barns and the milking parlor via a manure transfer system. The facility has not been evaluated since the time of construction. | |
| 006 | WSF 4: Sample point 006 is for liquid manure and process wastewater land applied from waste storage facility 4 (WSF 4) located at the main farm site. WSF 4 is a clay-lined, earthen storage facility located east of WSF 1. This facility has a maximum operating level capacity of 7 million gallons and was constructed in 2011. This storage facility accepts manure and process wastewater from the free stall barns and the milking parlor via a manure transfer system. WSF 4 was last evaluated in 2011 and met permit requirements. | |

| Sample Point Designation For Animal Waste | | |
|---|---|---|
| **Sample Point Number** | **Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)** | |
| 007 | Feed Storage Area & Runoff Control System: Sample point 007 is for visual monitoring and inspection of the feed storage area and associated runoff control system located on the west side of Glenview Rd at the main farm site. 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. An engineering evaluation was completed in 2022, and upgrades were completed in 2025. | |
| 008 | WSF Solids: Sample point 008 is for any manure solids removed from the bottom of liquid waste storage facilities. This includes manure-laden sand solids, manure fiber solids, etc. Representative samples shall be collected from each waste storage facility. | |
| 010 | Storm Water Runoff Control System: Sample point 010 is for visual monitoring and inspection of all production site storm water conveyance systems. This includes roof gutter and downspout structures, drainage tile systems, grassed waterways and other diversion systems that transport uncontaminated storm water. Proper operation and maintenance is required to keep uncontaminated runoff diverted away from manure and process wastewater handling systems. Weekly inspections are required and shall be recorded according to monitoring program. | |
| 011 | WSF 5: Sample point 011 is for liquid manure and process wastewater land applied from waste storage facility 5 (WSF 5) located at the main farm site. WSF 5 is a clay-lined, earthen storage facility located west of the FSA. This facility has a maximum operating level capacity of 170,000 gallons and was reconstructed in 2025. This storage facility accepts process wastewater from the feed storage areas. | |

# 1 Livestock Operations - Proposed Operation and Management

**Production Area Discharge Limitations**

Beginning on the effective date of the permit, the permittee may not discharge pollutants from the operation's production area (e.g., manure storage areas, outdoor animal lots, composting and leachate containment systems, milking center wastewater treatment/containment systems, raw material storage areas) to navigable waters, except in the event a 25-year, 24-hour rainfall event (or greater) causes the discharge from a structure which is properly designed and maintained to contain a 25-year, 24-hour rainfall event for this location as determined under s. NR 243.04. If an allowable discharge occurs from the production area, state water quality standards may not be exceeded.

**Runoff Control**

The permit requires control of contaminated runoff from all elements of the production area to prevent a discharge of pollutants to navigable waters in accordance with the Production Area Discharge Limitations and to comply with surface water quality standards and groundwater standards. Beginning on the effective date of this permit, (if needed) interim measures shall be implemented to prevent discharges of pollutants to navigable waters. In addition, permanent runoff control system(s) shall be designed, operated and maintained in accordance with the requirements found in USDA Natural Resources Conservation Service standards and ch. NR 243, Wis. Adm. Code. If any upgrading or modifications to runoff controls are necessary, formal engineering plans and specifications must submitted to the Department for approval.

**Manure and Process Wastewater Storage**

The permit requires the operation to have adequate storage for manure and process wastewater and that storage or containment facilities are designed, operated and maintained to prevent overflows and discharges to waters of the state. In

order to prevent overflows, the permittee must maintain levels of materials in liquid storage or containment facilities at or below certain levels including a one-foot margin of safety that can never be exceeded. If any upgrading or modifications to the storage facilities are necessary, formal engineering plans and specifications must be submitted to the Department for approval.

The permittee currently has approximately 238 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 2,873, it is estimated that approximately 23,490,859 of manure and process wastewater will be produced per year. The permittee owns approximately 3,776.5 acres of cropland and rents about 2,238.4. Given the rotation commonly used by the permittee, 5,861.4 acres are available (or open) to receive manure and process wastewater on an annual basis. The permit requires all land spreading 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 land spread. Land spreading rates must be adjusted based on sample analysis. The permit requires the permittee to maintain a daily log that documents land spreading activities. The permit also requires the submittal of an annual report that summarizes all land spreading activities. Plans must be updated annually to reflect cropping plans and other operational changes. Among the requirements, the plans must include detailed land spreading information including field by field nutrient budgets.

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

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

In addition, the permittee must comply with restrictions on land application of manure and process wastewater on frozen or snow-covered ground. Included in these restrictions is a prohibition on surface applications of solid manure (>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 land spreading 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; 004- WSF 3; 006- WSF 4, and 011- WSF 5

| 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

WSF 5 sample point 011 was added.

### 1.1.2 Explanation of Operation and Management Requirements

Liquid manure & process wastewater must be properly stored, and land applied according to the permit and nutrient management plan.

## 1.2 Sample Point Number: 002- Solids 002; 003- Solids 003; 008- Solids 008

| 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 language was updated to more accurately describe existing facilities.

### 1.2.2 Explanation of Operation and Management Requirements

Liquid manure & process wastewater must be properly stored, and land applied according to the permit and nutrient management plan.

## 1.3 Sample Point Number: 007- Feed Storage & Runoff Controls and 010- Storm Water Runoff Controls

### 1.3.1 Changes from Previous Permit

Sample point language was updated to more accurately describe existing facilities.

### 1.3.2 Explanation of Operation and Management Requirements

The is no required sampling for the runoff controls. Proper operation and maintenance is required to ensure unlawful discharges to waters of the state do not occur. Weekly or quarterly inspections are required and shall be recorded according to the monitoring plan.

# 2 Schedules

## 2.1 Emergency Response Plan

| Required Action | Due Date |
|---|---|
| Develop Emergency Response Plan: Update the written Emergency Response Plan within 30 days of permit coverage and submit to the department. | 12/01/2025 |

## 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. | 12/01/2025 |

## 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. | 01/31/2026 |
| 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. | |

## 2.4 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. | 03/31/2026 |
| 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. | |

## 2.5 Submit Permit Reissuance Application

| Required Action | Due Date |
|---|---|

| | |
|---|---|
| Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration. | 10/31/2030 |

## 2.6 Explanation of Schedules

Schedules: Emergency Response Plan, Monitoring and Inspection Program, Annual Reports, Nutrient Management Plan, Submit Permit Reissuance Application are requirements of NR 243 Wis. Adm. Code and permit requirements

# Attachments

Map

Plan Approval Letter

- 12/5/2023 – Conditional NMP Approval

# Justification Of Any Waivers From Permit Application Requirements

No waivers requested or granted as part of this permit reissuance

**Prepared By: Makayla Jacobs** **Agricultural Runoff Management Specialist** **Date: 9/8/2025**

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

**Tony Evers, Governor**
**Adam N. Payne, Secretary**
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

December 5th, 2023

Brown County
Approval

Shelley Stencil
Stencil Dairy Farms, LLC
4819 Glenview Road
Denmark, WI 54208

SUBJECT: Conditional Approval of Stencil Dairy Farms, LLC Nutrient Management Plan, WPDES Permit No. 0056731-07-0

Dear Shelley Stencil:

After completing a review of Stencil Dairy Farms, LLC 2024-2028 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 Stencil Dairy Farms, LLC review the NMP with those individuals involved with manure applications to ensure all remain familiar with the approved manure spreading protocol, spreading maps, field and map verification, record keeping requirements, and all the conditions of this approval. Specifically, some fields in Stencil Dairy Farms, LLC may have:

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

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

## FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 2,873 animal units (1,500 milking & dry cows, 875 heifers, and 300 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 23,490,859 gallons of manure and process wastewater and 1,229 tons of solid manure in the first year of the permit term. Approximately 5,086,479 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 Stencil Dairy Farms, LLC currently has 6,014.9 acres (3,776.5 owned and 2,238.4 controlled through contracts, rental agreements or leases, or under manure agreements) of which 5,861.4 are spreadable acres.

6. That some fields included in the NMP are directly adjacent to or have high potential to deliver nutrients and sediment to Bower Creek (listed 303(d) impaired water by 'sediment/total suspended solids' & 'total phosphorus'), Neshota River, Unnamed (WBIC 89100), Unnamed (WBIC 5020187) & Twin Hill Creek (listed 303(d) impaired water by 'total phosphorus').
7. That no fields are directly adjacent to or have high potential to deliver nutrients and sediment to outstanding/exceptional waters.
8. That the following fields included in the NMP are located within the well head protection area for the Village of Bellevue: 118 Deprey
9. That 39 fields are tiled.
    - 01-04 Home Renier
    - 05 Renier
    - 06 Renier
    - 07 Boehm
    - 08 Kin Mikulsky
    - 09 Kinsetter
    - 10 Kin Mikulsky
    - 12 Dworak
    - 13 Lange
    - 14 Massey
    - 15 E Bittner
    - 15 W Seidl-Bittner
    - 16 Seidl-Bittner
    - 17 Seidl-Bittner
    - 18 Micholichek
    - 19 Massey
    - 20 Bittner
    - 21 Leiterman
    - 22 Dworak
    - 25-26 Pahnke Ln
    - 28 Mencheski
    - 29 Micholichek
    - 32-34 Hansen
    - 37 A Johnson
    - 37 Johnson
    - 38 Pahnke-Brosig
    - 39 Pahnke-Jensen
    - 40 Pahnke-Brosig
    - 45 A Belinski
    - 46 Belinski
    - 47 Belinski
    - 48 Tauber-Bufka
    - 49 Tauber-Bufka
    - 50-Horak Bufka
    - 51 A Horak-Kafka
    - 80 Schaetz
    - 81 Hettman
    - 82 Engleman
    - 83-84 Hettman

10. 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.
11. 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 2024-2028 Stencil Dairy Farms, 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 Site Name / Field ID | DNR # |
|---|---|---|---|
| 161 Joey Micholichek | New Organic Digestion LLC | ST3 / 3 | 116078 |

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

3. The following fields are prohibited from receiving applications of manure or process wastewater:
   - 118 Deprey (portion within 1,000' of municipal well)
   - 151 Van Oss (expired soil test)
   - 165 Church Road (default soil test)
   - 166 Lebal South (default soil test)
   - Linssen (default soil test)
   - 139 Kuffel (insufficient soil sample density)
   - 66 Vanden Busch (portion in 0-2' to Silurian Bedrock)

   If Stencil Dairy Farms, LLC 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.

4. 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.

5. 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.

6. 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, Stencil Dairy Farms, LLC may use the following equation to adjust the first year available nitrogen when applications are injected or incorporated within 1 hour:

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

7. Stencil Dairy Farms, LLC shall record daily manure applications by using the 'Daily Log' as generated by Snap Plus. These forms shall be retained at the farm and provided to the department upon request.

8. Stencil Dairy Farms, LLC shall annually submit a spreading report that summarizes the land application activities listed under NR 243.19(3)(c)5., Wis. Adm. Code by using form 'CAFO Annual Spreading Reports' as generated by Snap Plus.

WINTER SPREADING

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

10. The following field(s) are approved for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:
    - 01-04 Home-Renier
    - 07 Boehm
    - 08 Kin Mikulsky
    - 10 Kin Mikulsky
    - 20 Bittner
    - 27 Siporski
    - 23-24 Hansen

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. No headland stacking sites are approved.

MANURE & PROCESS WASTEWATER IRRIGATION

15. Irrigation of manure or process wastewater is prohibited.

NR243.143/151.075 SILURIAN BEDROCK PERFORMANCE STANDARDS

16. Manure generated by Stencil Dairy Farms, 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.
    - 66 Vanden Busch*
    - 104 Nowak
    - 119-121 Van Rite

    *Indicates portion of field in Silurian falls within 0-2', which is prohibited from manure application.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

17. A copy of this conditional approval shall be included in all future annual Nutrient Management Plan Updates in addition to the NR 243 and NRCS 590 checklists.
18. Please provide a revised narrative which does list winter fields proposed within emergency planning section and contains revised manure volumes by no later than **December 11th, 2023.**
19. Compliance Reminder: The farm is required to take a minimum of one quarterly solid manure sample when hauling occurs, and a minimum of two samples per source of liquid manure on a monthly basis 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: Holly Stegemann, WDNR Regional Specialist (Holly.Stegemann@Wisconsin.gov)
Joe Baeten, WDNR Watershed Field Supervisor (Joseph.Baeten@Wisconsin.gov)
Christopher Clayton, WDNR Runoff Management Section Chief (Christopherr.Clayton@Wisconsin.gov)
Aaron O'Rourke, WDNR Nutrient Management Program Coordinator (Aaron.Orourke@Wisconsin.gov)
Falon French, WDNR Intake Specialist (Falon.French@Wisconsin.gov)
Tony Salituro, WDNR CAFO Engineer (Anthony.Salituro@Wisconsin.gov)
Mike Mushinski, Brown County (Michael.Muschinski@Browncountywi.gov)
Davina Bonness, Kewaunee County (Bonness.Davina@Kewauneeco.org)
Lindsey Hawig, Manitowoc County (Lindseyhawig@Manitowoccountywi.gov)
Todd Schaumberg, Tilth Agronomy (Todd@Tilthag.com)
File