

Permit Fact Sheet

General Information

Permit Number	WI-0066028-02-0
Permittee Name and Address	Lake Breeze Dairy LLC Malone WI 53049
Permitted Facility Name and Address	Lake Breeze Dairy LLC W2951 Schumacher Road Malone
Permit Term	January 01, 2025 to October 31, 2029
Discharge Location	Calumet Township, Fond du Lac County
Receiving Water	Pipe Creek & Lake Winnebago
Discharge Type	Existing

Animal Units					
	Current AU		Proposed AU (Note: If all zeroes, expansions are not expected during permit term)		
	Mixed	Individual	Mixed	Individual	Date of Proposed Expansion
Animal Type					
Milking and Dry Cows	5040	5148	5040	0	
Heifers (800 lbs. to 1200 lbs.)	440	400	440	0	
Total	5480	5148	5480	0	

Facility Description

Lake Breeze Dairy, LLC is a Concentrated Animal Feeding Operation (CAFO) dairy farm located in the Township of Calumet in Fond du Lac County. The dairy is owned and operated by Breeze Dairy Group and has approximately 3,600 milking/dry cows and 400 large heifers (5,040 animal units). The dairy is not proposing an expansion in animal units as part of this permit action.

Substantial Compliance Determination

After a review of annually submitted reports, reissuance application, and site inspections on 09/12/2017, 07/21/2021, 11/6/2023, and 9/12/2024, this operation has been found to be in substantial compliance with their current permit. The operation will need to complete some structural repairs and system upgrades included in the permit schedule.

Compliance determination made by Jeff Jackson – Agricultural Runoff Specialist on 11/15/2024.

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 liquid waste storage facility 1 (WSF-1) located at the Main Dairy. WSF-1 is the southeast earthen storage that has a capacity of 2,313,046 gallons and was constructed in 2002. Representative samples shall be taken monthly when land applying this material.	
002	Sample point 002 is for liquid waste storage facility 2 (WSF-2) located at the Main Dairy. WSF-2 is the northeast earthen storage that has a capacity of 2,409,244 gallons and was constructed in 2002. Representative samples shall be taken monthly when land applying this material.	
003	Sample point 003 is for liquid waste storage facility 3 (WSF-3) located at the Main Dairy. WSF-3 is the southwest earthen storage that has a capacity of 18,372,655 gallons and was constructed in 2002. Representative samples shall be taken monthly when land applying this material.	
004	Sample point 004 is for liquid waste storage facility 4 (WSF-4) located at the Main Dairy. WSF-4 is the northwest earthen storage that has a capacity of 18,830,483 gallons and was constructed in 2005. Representative samples shall be taken monthly when land applying this material.	
006	Sample point 006 is for any manure solids removed from bottom of liquid waste storage facilities. This includes manure-laden sand solids, manure fibers, etc. Representative samples shall be taken from each waste storage facility.	
007	Sample point 007 is for miscellaneous solid source materials that are stored in the Solid Stacking Bunker. Potential sources include maternity pen pack, calf pen pack, waste feed, etc. Representative samples shall be taken for each solid source type prior to land applying the material.	
008	Sample point 008 is for the sand lane storage area. All manure-laden sand shall be stacked in designed storage areas with runoff collected. If any manure-laden sand is directly land applied representative samples shall be taken.	
009	Sample point 009 is for visual monitoring and inspection of the feed storage area and associated runoff control systems. Proper operation and maintenance are 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 the operation's self-monitoring and inspection program.	
010	Sample point 010 is for visual monitoring and inspection of all production site storm water conveyance systems. This includes roof gutter downspouts, drainage tile systems, storm water ponds, grassed waterways, and other diversion systems that transport uncontaminated storm water off site. Proper operation and maintenance are required to keep uncontaminated runoff diverted away from manure and process wastewater handling systems. Weekly inspections are required and shall be recorded according to the operation's self-monitoring and inspection program.	

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 300+ 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

Lake Breeze Dairy has a total of 13,096 acres of available cropland in their nutrient management plan. All acres in the plan are controlled through contracts or manure spreading agreements. During the first year of the permit term, the dairy will produce approximately 43 million gallons of manure and process wastewater and 1,500 tons of solid manure. Manure, process wastewater, and used animal bedding will be produced and stored on site.

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 of 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. All non-emergency surface applications of liquid manure ($< 12\%$) on frozen or snow-covered ground are prohibited.

Monitoring and Sampling Requirements

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

Sampling Points

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

1.1 Sample Point Number: 001- WSF 1 - liquid; 002- WSF 2 - liquid; 003- WSF 3 - liquid; 004- WSF 4 - liquid

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

No changes

1.1.2 Explanation of Operation and Management Requirements

Sampling frequencies and parameters are consistent with CAFO standards.

1.2 Sample Point Number: 006- WSF Solids; 007- Solid Stacking Bunker; 008- Sand Lane Storage

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 007 is now assigned to the Solid Stacking Bunker.

1.2.2 Explanation of Operation and Management Requirements

Sampling frequencies and parameters are consistent with CAFO standards.

1.3 Sample Point Number: 009- Feed Storage Runoff and 010- Storm Water Runoff

1.3.1 Changes from Previous Permit

No changes

1.3.2 Explanation of Operation and Management Requirements

Monitoring and inspection results shall be included in the dairy's Annual Report submitted by January 31st of each year.

2 Schedules

2.1 Emergency Response Plan

Required Action	Due Date
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Develop Emergency Response Plan: Develop a written Emergency Response Plan within 30 days of permit coverage, available to the Department upon request.	01/30/2025
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2.2 Explanation of Schedules

Standard CAFO permit requirement.

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.	01/30/2025

2.4 Explanation of Schedules

Standard CAFO permit requirement.

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	01/31/2025
Submit Annual Report #2: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E	01/31/2026
Submit Annual Report #3: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E	01/31/2027
Submit Annual Report #4: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E	01/31/2028
Submit Annual Report #5: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E	01/31/2029
Ongoing Annual Reports: Continue to submit Annual Reports until permit reissuance has been completed.	

2.6 Explanation of Schedules

Standard CAFO permit requirement.

2.7 Nutrient Management Plan

Required Action	Due Date
Management Plan Annual Update #1: Submit an Annual Update to the Nutrient Management Plan by March 31st of each year. Note: In addition to Annual Updates, submit Management Plan Amendments to the Department for written approval prior to implementation of any changes to nutrient management practices, in accordance with the Nutrient Management requirements in the Livestock Operational and Sampling Requirements section.	03/31/2025
Management Plan Annual Update #2: Submit an Annual Update to the Nutrient Management Plan.	03/31/2026
Management Plan Annual Update #3: Submit an Annual Update to the Nutrient Management Plan.	03/31/2027
Management Plan Annual Update #4: Submit an Annual Update to the Nutrient Management Plan.	03/31/2028
Management Plan Annual Update #5: Submit an Annual Update to the Nutrient Management Plan.	03/31/2029
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

Standard CAFO permit requirement.

2.9 Feed Storage - Runoff Control System Improvements

Runoff control improvements are required in response to the October 4, 2024, Evaluation Review of Feed Storage Area Runoff Controls - Further Actions Required letter (Submittal R-2023-0178).

Required Action	Due Date
Plans and Specifications: Submit plans and specifications for Department review and approval to permanently correct any adverse conditions identified as part of the engineering evaluation for the feed storage area in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code.	12/31/2025
Corrections and Post Construction Documentation: Complete construction of improvements to permanently correct any adverse conditions in concurrence with and approval by the Department, by the specified Date Due. Submit post construction documentation within 60 days of completion of the project.	12/31/2026

2.10 Explanation of Schedules

Requirement added because of site inspection results and conclusions of an engineering evaluation report.

2.11 Manure Storage Facility - Structural Repairs

Structural repairs to WSFs 1-4 and waste transfer piping are required in response to the November 7, 2024, Evaluation Review of the Waste Storage Facilities (WSFs 1-4) Further Actions Required letter (Submittal R-2023-0066).

Required Action	Due Date
Plans and Specifications: Submit plans and specifications for Department review and approval in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code, to permanently correct any adverse manure storage conditions.	12/31/2025
Corrections and Post Construction Documentation: Complete construction on the manure storage facility that permanently corrects any adverse conditions in concurrence with and approval by the Department, by the specified Date Due. Submit post construction documentation within 60 days of completion of the project.	12/31/2027

2.12 Explanation of Schedules

Requirement added because of site inspection results and conclusions of an engineering evaluation report.

2.13 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	07/03/2029

2.14 Explanation of Schedules

Standard CAFO permit requirement.

Attachments

- Conditional Nutrient Management Plan Approval Letter
- Sample Point Map

Prepared By: Jeffrey Jackson Agricultural Runoff Management Specialist

Date: November 15, 2024

Lake Breeze Dairy Sample Point Map



Sample Points – Waste Materials

- 001 WSF 1
- 002 WSF 2
- 003 WSF 3
- 004 WSF 4
- 006 WSF Solids
- 007 Solid Stacking Bunker (Miscellaneous Solids)
- 008 Sand Lane Area (Land Applied Manure Sands)

Sample Points – Runoff Controls

- 009 Feed Pad Runoff Controls
- 010 Stormwater Channels Around The Site



July 9, 2024

Fond Du Lac County
Approval

Brad Gerrits
Lake Breeze Dairy LLC
W2651 Kiel Rd
Malone, WI 53049

SUBJECT: Conditional Approval of Lake Breeze Dairy LLC Nutrient Management Plan, WPDES Permit No. 0066028-02-0

Dear Mr. Gerrits:

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

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

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

FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 5,040 animal units (5,040 milking & dry cows, 0 heifers, and 0 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 42,797,656 gallons of manure and process wastewater and 1,500 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 Lake Breeze Dairy LLC currently has 13,096 acres (0 owned and 13,096 controlled through contracts, rental agreements or leases, or under manure agreements) of which 12,857 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 Mud Creek (listed 303(d) impaired water by ‘Total Phosphorus, Total Suspended Solids, Chloride, and Unknown Pollutant’), South Branch Manitowoc River (listed 303(d) impaired water by ‘Total Phosphorus, PCBs, and Unknown Pollutant’), Unnamed 132100 (listed 303(d) impaired water by ‘Total Phosphorus’), Unnamed 3000057 (listed 303(d) impaired water by ‘Total Suspended Solids’), Pine Creek (listed 303(d) impaired water by ‘Total Phosphorus, PCBs, and Unknown Pollutant’), and Jordan Creek (listed 303(d) impaired water by ‘PCBs’).
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 Stockbridge: 338 and the city of New Holstein: 317 and 312.
9. That Lake Breeze Dairy LLC has fields in the nutrient management plan that are tiled.
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 Lake Breeze Dairy LLC Nutrient Management Plan subject to the following conditions and the applicable requirements of Ch. NR 243, Wis. Adm. Code:

FIELD AND MANURE MANAGEMENT

1. Fields not included in the NMP and new fields shall not receive manure or process wastewater applications until they have been properly soil sampled, entered into Snap Plus, evaluated for their nutrient needs, and approved by the Department.
2. The following fields have also been approved to receive industrial, municipal, or septage waste:

Field Name	Other Permittee Name	Other Permittee Field Name	DNR #
01-05-014	NEW HOLSTEIN WASTEWATER TREATMENT FACILITY	11-C	41119
01-05-027	NEW HOLSTEIN WASTEWATER TREATMENT FACILITY	16-1	83345
01-05-039	NEW HOLSTEIN WASTEWATER TREATMENT FACILITY	17-A	87340
01-05-039	NEW HOLSTEIN WASTEWATER TREATMENT FACILITY	17-B	87341
01-05-039	NEW HOLSTEIN WASTEWATER TREATMENT FACILITY	17-C	87342

01-05-039	NEW HOLSTEIN WASTEWATER TREATMENT FACILITY	17-D	119338
01-05-039	NEW HOLSTEIN WASTEWATER TREATMENT FACILITY	17-E	119339
01-05-039	NEW HOLSTEIN WASTEWATER TREATMENT FACILITY	17-F	119340
01-05-041	NEW HOLSTEIN WASTEWATER TREATMENT FACILITY	15-A	46668
01-05-041	NEW HOLSTEIN WASTEWATER TREATMENT FACILITY	15-B	46669
01-06-001	APPLETON WASTEWATER TREATMENT FACILITY	RJD-8	117939
01-06-011	APPLETON WASTEWATER TREATMENT FACILITY	RJD-8	117939
01-06-013	APPLETON WASTEWATER TREATMENT FACILITY	RJD-8	117939

Prior to any manure applications on these fields Lake Breeze Dairy LLC shall contact the entities listed above to obtain recent spreading records and make the necessary adjustments to the planned manure application rates. At the end of each year Lake Breeze Dairy LLC shall contact each entity listed above to obtain spreading records from the previous year so that they can be properly tracked in the NMP. Please Note: Lake Breeze Dairy 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 due to having soil test P levels >200ppm

- 01-02-002 - 01-12-013 - 01-27-002

4. The following fields are prohibited from receiving applications of manure or process wastewater due to having outdated soil tests.

- 01-06-004 - 01-06-007 - 01-08-016
- 01-08-027 - 01-19-001 - 01-19-002
- 01-19-003 - 01-19-004 - 01-19-005
- 01-21-002 - 01-21-003 - 01-21-004
- 01-21-005 - 01-21-006 - 01-23-003
- 01-23-004 - 01-23-007 - 01-23-008
- 01-23-012 - 01-23-014 - 01-23-016
- 01-26-001 - 01-27-030 - 01-35-017
- 01-27-063 - 01-27-064 - 01-27-065
- 01-35-012 - 01-35-013 - 01-35-014
- 01-35-015 - 01-35-016

5. The following fields are prohibited from receiving applications of manure or process wastewater due to not meeting P Index requirements:

- 01-16-020

If Lake Breeze Dairy 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.

6. 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.
7. All liquid manure samples collected may be analyzed, at a minimum, for percent dry matter, total nitrogen, percent $\text{NH}_4\text{-N}$, percent $\text{NO}_3\text{-N}$, phosphorus, potassium, and sulfur.
8. 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, Lake Breeze Dairy LLC may use the following equation to adjust the first year available nitrogen when applications are injected or incorporated within 1 hour:

$$\text{First-Year Available N} = \text{NH}_4\text{-N} + [0.25 \times (\text{Total N} - \text{NH}_4\text{-N})]$$

9. Lake Breeze Dairy LLC shall record daily manure applications by using form 3200-123A. These forms shall be retained at the farm and provided to the department upon request.
10. Lake Breeze Dairy LLC shall annually submit a spreading report that summarizes the land application activities listed under NR 243.19(3)(c)5., Wis. Adm. Code by using form 3200-123.

WINTER SPREADING

11. Liquid manure applications during winter conditions, as defined by NR 243.14(7), Wis. Adm. Code, are prohibited with the exception of emergency applications.
12. The following field(s) are approved for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:

- 01-02-003	- 01-02-005	- 01-02-006
- 01-03-002	- 01-03-008	- 01-27-001
- 01-27-005	- 01-27-006	- 01-27-007
- 01-27-022	- 01-27-051	- 01-27-061

13. 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.
14. Winter applications of liquid manure shall only occur under emergency situations, after notifying the Department and receiving verbal approval.

15. 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

16. No headland stacking sites are approved.

MANURE & PROCESS WASTEWATER IRRIGATION

17. Irrigation of manure or process wastewater is prohibited.

NR243.143/151.075 SILURIAN BEDROCK PERFORMANCE STANDARDS

18. Manure generated by Lake Breeze Dairy 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. Any fields not on this list that are identified as <20ft to Silurian bedrock must abide by the same rules: **SEE APPENDIX A FOR LIST OF FIELDS**

SUBMITAL AND RECORDKEEPING REQUIREMENTS

19. 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.
20. Within 30 days of this approval, please provide verification that Lake Breeze Dairy LLC has permission to apply on fields 01-08-013 (overlapped with 3 D Dairy LLC) and 01-18-002 (overlapped with J C Mauer & Sons Inc.).

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 local permits, zoning and regulatory requirements.

If you have any questions regarding this approval, I can be reached at 715-214-5503 or Aaron.Orourke@Wisconsin.gov.

Sincerely,



Aaron O'Rourke
 WDNR Nutrient Management Program Coordinator
 Wisconsin Department of Natural Resources

cc: Jeff Jackson, WDNR Agricultural Runoff Specialist (Jeffery.Jackson@Wisconsin.gov)
 Brad Johnson, WDNR Watershed Field Supervisor (Bradley.Johnson@Wisconsin.gov)
 Michelle Scott, WDNR Watershed Field Supervisory (Michelle.Scott@Wisconsin.gov)
 Chris Clayton, WDNR Ag Runoff Section Chief (Christopherr.Clayton@Wisconsin.gov)
 Ashley Scheel, WDNR CAFO NMP Reviewer (Ashley.Scheel@Wisconsin.gov)
 Falon French, WDNR Intake Specialist (Falon.French@Wisconsin.gov)
 Justin Loehrke, Fond Du Lac County (justin.loehrke@fdlco.wi.gov)
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 Doug Hinz, Tilth Agronomy (doug@tilthag.com)
 File

APPENDIX A: List of fields within the Silurian Bedrock Targeted Performance Standard.

01-05-001	01-06-065	01-15-009
01-05-002	01-06-066	01-15-011
01-05-006	01-06-067	01-15-012
01-05-009	01-06-068	01-15-013
01-05-010	01-06-069	01-15-014
01-05-011	01-06-070	01-15-015
01-05-012	01-06-071	01-15-016
01-05-013	01-06-072	01-15-017
01-05-014	01-06-073	01-15-018
01-05-015	01-07-001	01-15-020
01-05-020	01-07-002	01-15-021
01-05-021	01-08-001	01-16-001
01-05-022	01-08-002	01-16-002
01-05-028	01-08-003	01-16-003
01-05-030	01-08-004	01-16-004
01-05-031	01-08-005	01-16-005
01-05-034	01-08-006	01-16-006
01-05-044	01-08-007	01-16-007
01-05-045	01-08-008	01-16-008
01-06-001	01-08-011	01-16-009
01-06-002	01-08-012	01-16-027
01-06-004	01-08-015	01-16-028
01-06-005	01-08-016	01-20-012
01-06-006	01-08-023	01-20-021
01-06-007	01-08-024	01-27-003
01-06-008	01-08-025	01-27-015
01-06-009	01-08-026	01-27-016

01-06-010	01-08-027	01-27-025
01-06-011	01-08-028	01-27-026
01-06-013	01-08-029	01-27-027
01-06-015	01-08-030	01-27-028
01-06-016	01-08-031	01-27-042
01-06-017	01-08-032	01-27-046
01-06-018	01-08-033	01-27-047
01-06-019	01-08-126	01-27-048
01-06-020	01-09-008	01-27-049
01-06-021	01-09-027	01-27-050
01-06-026	01-10-001	01-27-060
01-06-027	01-10-002	01-27-062
01-06-031	01-10-003	01-27-063
01-06-032	01-10-004	01-28-001
01-06-033	01-12-009	01-28-002
01-06-046	01-12-012	01-28-003
01-06-048	01-12-013	01-28-004
01-06-052	01-12-014	01-35-010
01-06-053	01-13-003	01-35-011
01-06-055	01-13-004	01-35-012
01-06-056	01-15-001	01-35-013
01-06-058	01-15-003	01-35-014
01-06-059	01-15-004	01-35-015
01-06-060	01-15-005	01-35-016
01-06-061	01-15-006	01-35-017
01-06-063	01-15-007	
01-06-064	01-15-008	