

Permit Fact Sheet

General Information

Permit Number	WI-0066184-02-0
Permittee Name and Address	Bella Vista Dairy Inc 16768 Bethel Grove Road, Belmont, WI 53510
Permitted Facility Name and Address	Bella Vista Dairy Inc 17330 Bethel Grove Road Belmont
Permit Term	January 01, 2026 to December 31, 2030
Receiving Water	Surface water of the Middle Pecatonica River Watershed of the Sugar – Pecatonica Drainage Basin and groundwater of the state
Discharge Type	Existing, continuous

Animal Units					
Animal Type	Current AU		Proposed AU (Note: If all zeroes, expansions are not expected during permit term)		
	Mixed	Individual	Mixed	Individual	Date of Proposed Expansion
Dairy Calves (under 400 lbs.)	35	0	0	0	
Milking and Dry Cows	1302	1330	0	0	
Heifers (400 lbs. to 800 lbs.)	72	120	0	0	
Heifers (800 lbs. to 1200 lbs.)	176	160	0	0	
Total	1585	1330	0	0	

Facility Description

Bella Vista Dairy Inc. is a large dairy farm located in Kendall Township of Lafayette County. The farm is a unique operation that utilizes some rotational grazing. The operation encompasses a single site. This site was previously permitted under the Hidden Valley Farms Inc. WPDES permit. The farm has 930 milking and dry cows, 160 large heifers, 120 small heifers, and 175 calves. Bella Vista Dairy plans to finish constructing a series of calf barns and a solids stacking pad in this permit term in addition to constructing a permanent feed storage area with runoff controls and a process wastewater storage basin. No additional expansions are planned during the proposed permit term. Livestock are housed at the production area of the farm during the winter months.

The site is approximately 20 acres, and most facilities were newly constructed in 2009. The facilities include a milking parlor, a holding area, an uncovered feedlot, 3 free stall barns, a manure storage basin, a feed storage area, and calf hutch area. Animals are housed in free stall barns and outdoor lots on concrete that completely drains to a 4.5 million gallon concrete lined lagoon. This provides the operation with 185 days of liquid storage capacity. Bedpack will also be left on

the lots and spread on the pasture and fields as needed or stacked on the approved headland stacking sites during the winter months.

The majority of the feed is stored in plastic silo bags and the feed storage area. Silo bags are located in several locations throughout the operation, but most are immediately north of the entrance drive. The animals are given feed when they are brought in from the pasture to milk and in the winter or when they are not able to graze.

To avoid winter spreading, Bella Vista Dairy Inc. is proposing to headland stack the bedpack during the winter months. The dairy has designated appropriate stacking sites and submitted the information needed for DNR to the sites according to NRCS 313 Waste Storage Facility standard requirements.

The facility is a high capacity well property and is required to report pumping information to the Department on an annual basis.

Substantial Compliance Determination

Enforcement During Last Permit

6/9/2023 – NON issued for missing schedule items:

- Monitoring and Inspection Program, section 2.2
- Calf hutch runoff control system, section 2.6
- Permit reissuance application, section 2.7

4/15/2025 – NON updated, missing schedule items included:

- Monitoring and Inspection Program, section 2.2
- Calf hutch runoff control system, section 2.6

After a desk top review of annual reports, nutrient management plan updates, compliance schedule items, and a site visit on October 28, 2025, this facility has been found to be in substantial compliance with their current permit.

Compliance determination made by Tony Knipfer, Ag Runoff Specialist on 11/6/2025.

Sample Point Descriptions

Sample Point Designation For Animal Waste		
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)	
001	WSF 001 is for the liquid waste storage facility located at Bella Vista Dairy. WSF 001 is a concrete lined storage located north of the feed lots. The facility has a capacity of 4.5 million gallons. This waste storage facility received DNR plans and specifications approval in 2010. This storage accepts manure and process wastewater from a flume flush system from the parlor, free stall barns, and the feed lots.	
002	Sample point 002 is for a solid waste storage facility located at Bella Vista Dairy. The pad is a concrete storage adjacent to the liquid waste storage facility and pitched toward the lagoon. This storage accepts	

Sample Point Designation For Animal Waste		
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)	
	manure laden solids from the calf hutch area, special needs barn, and feed lots. The facility was constructed in 2010 with department approval.	
004	Sample point 004 is for solid manure land applied from approved headland stacking locations. Stacks are defined as part of the production area and therefore subject to the production area discharge limitations section of this permit. Quarterly inspections while stacks are present are required and shall be recorded according to monitoring program.	
005	Sample point 005 is for bedpack and other solid manure sources that are generated in the feed lots and free stall barns. Solids are to be directly land applied and not stored a waste storage facility. Representative samples shall be taken for each manure source type. The feed lots were constructed in 2010.	
006	Sample point 006 is for solid manure sources that are directly land applied and not stored in a waste storage facility at Bella Vista Dairy. 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.	
007	Sample point 007 is for visual monitoring and inspection of the concrete feed lots and associated runoff control system located at Bella Vista Dairy. Feed lot runoff is transferred via flume flush system into waste storage facility WSF 001. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program. The runoff control system for the feed lots was constructed in 2010.	
008	Sample point 008 is for visual monitoring and inspection of the bagged feed storage area and associated runoff control system located at Bella Vista Dairy. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program. An engineering evaluation of the feed storage area and runoff control system has been submitted.	
009	Sample point 009 is for visual monitoring and inspection of the calf hutch area and potential associated runoff control system located on the west end of the production area at Bella Vista Dairy. Proper operation and maintenance is required to ensure discharges to waters of the state do not occur. Weekly inspections are required and shall be recorded according to the monitoring program. Plans have been submitted and approved to replace the calf hutch area with barns and a solids stacking pad (R-2025-0120). See Schedules section for dates.	
010	Sample point 010 is for the feed storage area process wastewater storage facility located at Bella Vista Dairy. WSF 010 is a concrete lined storage located north of the feed lots. The storage has a capacity of 534,010 gallons. This storage accepts process wastewater from the feed storage area. This waste storage facility received DNR plans and specifications approval in 2025 and anticipated completion is 2026. See Schedules section for dates.	
011	Sample point 011 is for visual monitoring and inspection of the feed storage area and associated runoff control system located at Bella Vista Dairy. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program. DNR approval has been provided for the construction (R-2025-0002). See Schedules section for dates.	

Sample Point Designation For Animal Waste		
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)	
012	Sample point 012 is for the solid waste stacking pad located at the calf barns. Sample point 012 is a 25' by 28' concrete pad with concrete containment walls. This storage accepts manure and process wastewater from the calf barns. The structure was built in 2025.	

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 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 submitted to the Department for approval.

The permittee currently has approximately six months 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 1585 combined animal units of dairy cattle, it is estimated that approximately 10,509,100 gallons of liquid manure and process wastewater and 9,274 tons of solid manure will be produced per year. The permittee owns *approximately* no acres of cropland and rents about 1,122 acres. Given the rotation commonly used by the permittee, 1095 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 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. 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- Liquid Waste Storage Facility; 010- Feed Storage Area Wastewater

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 010 was added to accommodate the construction of a process wastewater lagoon associated with a permanent feed storage area.

1.1.2 Explanation of Operation and Management Requirements

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

1.2 Sample Point Number: 002- Solids Stacking Pad; 004- Headland Stacking; 005- Feed Lots - Solid Waste; 006- Miscellaneous Solid Manure, and 012- Calf Barns Solids Stacking Pad

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
Nitrogen, Total		lbs/ton	Quarterly	Grab	
Nitrogen, Available		lbs/ton	Quarterly	Calculated	
Phosphorus, Total		lbs/ton	Quarterly	Grab	
Phosphorus, Available		lbs/ton	Quarterly	Calculated	
Solids, Total		Percent	Quarterly	Grab	

1.2.1 Changes from Previous Permit

- Sample point 003 was redundant and removed from the permit.
- Sample point 012 was added to accommodate for construction of a solids stacking pad with the calf barn construction.

1.2.2 Explanation of Operation and Management Requirements

Solid manure must be properly stored and land applied according to the permit and nutrient management plan.

1.3 Sample Point Number: 007- Feed Lot Runoff Controls; 008- Feed Storage Runoff Controls; 009- Calf Hutch Runoff Controls, and 011- Feed Storage Runoff Controls

1.3.1 Changes from Previous Permit

- Sample point 011 was added to accommodate for construction of a new feed storage area.

1.3.2 Explanation of Operation and Management Requirements

There is no required nutrient sampling for the runoff control sample points. Rather, weekly or quarterly inspections are required and shall be recorded according to the monitoring plan and submitted with the annual report.

2 Schedules

2.1 Emergency Response Plan

Required Action	Due Date
Update Emergency Response Plan: Update the written Emergency Response Plan within 30 days of permit coverage, and submit to the Department upon request.	01/31/2026

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.	01/31/2026

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).	03/31/2026
Submit NMP Update #1: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2027
Submit NMP Update #2: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2028

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

2.8 Explanation of Schedules

Nutrient Management Plan updates are required to be submitted per s. NR 243.19(3).

2.9 Runoff Control System - Abandonment Calf Hutch Area

Required Action	Due Date
Complete Abandonment: Complete abandonment of the existing calf hutch area as approved by the Department.	06/30/2026

2.10 Explanation of Schedules

2.11 Manure Storage Facility - Solids stacking pad Installation

This construction is part of the abandonment of the calf hutch area (R-2025-0120)

Required Action	Due Date
Complete Installation: Complete construction of the solids stacking pad. The facility shall be functional and in operation by the specified Date Due. Post construction documentation shall be submitted within 60 days of completion of the project. This construction is part of the abandonment of the calf hutch area (R-2025-0120)	06/30/2026

2.12 Explanation of Schedules

2.13 Runoff Control System - Installation at Feed Storage Area

This construction is part of the abandonment of the temporary feed storage area (R-2025-0002)

Required Action	Due Date
Complete Installation: Complete construction of runoff control system for the feed storage area. System shall be functional and in operation by the specified Date Due. Post construction documentation shall be submitted within 60 days of completion of the project.	05/31/2028

2.14 Explanation of Schedules

2.15 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	06/30/2030

2.16 Explanation of Schedules

Attachments

Sample Point Map

Nutrient Management Plan Approval Letter

Days of Storage Review Letter

Public Notice

Justification Of Any Waivers from Permit Application Requirements

No waivers requested or granted as part of this permit reissuance

Prepared By: Tony Knipfer Agricultural Runoff Management Specialist

Date: November 7, 2025

Bella Vista sampling location map





February 19, 2025

Lafayette County
Approval

Mark Optiz
Bella Vista Dairy Inc
17330 Bethel Grove Road
Belmont, WI 53510

SUBJECT: Conditional Approval of Bella Vista Dairy Inc Nutrient Management Plan, WPDES
Permit No. 0066184-02-0

Dear Mr. Optiz:

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

FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 1,330 animal units (930 milking & dry cows, 280 heifers, and 175 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 8,950,535 gallons of manure and process wastewater and 13,896 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 Bella Vista Dairy Inc currently has 1,122 acres (0 owned and 1,122 controlled through contracts, rental agreements or leases, or under manure agreements) of which 1,095 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 2024-2028 Bella Vista Dairy Inc Nutrient Management Plan subject to the following conditions and the applicable requirements of Ch. NR 243, Wis. Adm. Code:

FIELD AND MANURE MANAGEMENT

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

Field Name	Other Permittee Name	Other Permittee Field Name	DNR #
MILLER 1	LACTALIS USA BELMONT INC	AM3	105453
MILLER 1	LACTALIS USA BELMONT INC	AM4	105454
MILLER 2	LACTALIS USA BELMONT INC	AM1	105451
MILLER 3	LACTALIS USA BELMONT INC	AM1	105451
MILLER 3	LACTALIS USA BELMONT INC	AM2	105452
MILLER 4	LACTALIS USA BELMONT INC	AM1	105451
MILLER 4	LACTALIS USA BELMONT INC	AM2	105452
MILLER 6	LACTALIS USA BELMONT INC	AM2	105452

Prior to any manure applications on these fields Bella Vista Dairy Inc 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 Bella Vista Dairy Inc 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: Bella Vista Dairy Inc 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:
 - Clayton North (default soil test)
 - Clayton South (default soil test)
 - P03B (default soil test)

If Bella Vista Dairy Inc wishes to use these fields for applications of manure or process wastewater all necessary information shall be submitted to the Department prior to application to demonstrate compliance

with NR 243 and other applicable codes. Written Department approval amending this condition approval must be received prior to application.

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 $\text{NH}_4\text{-N}$, percent $\text{NO}_3\text{-N}$, 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, Bella Vista Dairy Inc may use the following equation to adjust the first year available nitrogen when applications are injected or incorporated within 1 hour:

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

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

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:

- P03B	- P03A	- P03E
- McNett South		
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. The stacking sites submitted with this permit application will require field verification of slope prior to approval. The farm has indicated that these sites will be verified and submit for review and approval at a future date.

MANURE & PROCESS WASTEWATER IRRIGATION

15. Irrigation of manure or process wastewater is prohibited.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

16. 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.

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: Josie Borgrud, WDNR Agricultural Runoff Specialist (Jose.Borgrud@Wisconsin.gov)
Laura Bub, WDNR Watershed Field Supervisor (Laura.Bub@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)
Max Blackburn, Lafayette County (Max.blackbourn@lafayettecountywi.org)
Chuck Bolte, AgSource Labs (Chuck.Bolte@Agsource.com)
File



February 21, 2025

FILE REF: R-2023-0137
WPDES Permit #: WI-0066184

Mark Opitz
Bella Vista Dairy Inc.
16768 Bethel Grove Road
Belmont, WI 53510

Subject: Days of Storage Review for Bella Vista Dairy Inc. SW¼ of T03 NN, R02E, Section 08 in Kendall Township, Lafayette County – NO ADDITIONAL ACTION REQUIRED

Dear Mark Opitz:

This letter is to inform you that the Wisconsin Department of Natural Resources (Department) has completed its review of the calculation of days of storage submitted under certification by Jenise Anderson, MSA Professional Services on June 22, 2023 on behalf of Bella Vista Dairy Inc.

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

Days of Available Liquid Waste Storage: The submitted information states that Bella Vista Dairy Inc. has 185 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 1,585. Calves, some heifers and seasonally pastured livestock waste is handled as solids. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. The farm currently collects all runoff, up to the 25-year, 24-hour storm from the feedlot and concrete stacking area adjacent to the waste storage facility. The farm has plans for a separate leachate collection system and storage submitted to the department on January 6, 2025. Leachate and Feed Storage Area Runoff will be handled separately from manure waste and were not reviewed with this submission.

Total Liquid Waste Storage Capacity (gallons)						
Waste Storage	Total Vol. from Settled Top to Bottom	-Solids Storage	-25-yr, 24-hr Collected Runoff	25-yr, 24-hr Precipitation on Storage	Freeboard Vol.	Max. Operating Level (MOL) Vol.
#1	5,835,781		153,156	388,380	761,470	4,532,775
Total MOL Vol:						4,532,775
Days of Storage:						185

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure and Bedding	5,054,879
Parlor Wastewater	1,537,928
Feedlot and Stacking Pad Runoff	887,740
Net Precipitation on Storage Surface(s)	1,469,989
TOTAL:	8,950,536

Should you have any questions, please contact Tabby 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



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