Permit Fact Sheet

General Information

Permit Number	WI-0066532-02-0
Permittee Name and Address	Miedema Dairy Farms LLC 4431 County Road C, Pulaski, WI 54162
Permitted Facility Name and Address	Miedema Dairy Farms LLC 4431 County Road C Pulaski, WI 54162 in the NE ¼ of the SE ¼ T26 R19E Sect 2
Permit Term	October 01, 2025 to September 30, 2030
Discharge Location	4431 County Road C Pulaski, WI 54162 in theNE ¼ of the SE ¼ T26 R19E Sect 2
Receiving Water	North Branch Suamico River within the Suamico and Little Suamico River Watershed, and groundwaters of the state
Discharge Type	Existing

Animal Units					
	Current AU		**Proposed AU** **(Note: If all zeroes, expansions are not expected during permit term)**		
Animal Type	**Mixed**	**Individual**	**Mixed**	**Individual**	**Date of Proposed Expansion**
Milking and Dry Cows	2149	2195	0	0	
Heifers (800 lbs. to 1200 lbs.)	72	65	0	0	
Total	2221	2195	0	0	

Facility Description

Miedema Dairy Farms LLC is a Concentrated Animal Feeding Operation (CAFO) owned and operated by Siebrand Miedema. It currently has 2,221 animal units and based on current herd size, Miedema Dairy has approximately 242 days of liquid waste storage. Miedema Dairy generates 19,750,221 gallons of liquid manure and process wastewater and 0 tons of solid manure annually. Miedema Dairy has a total of 8,610.5 acres available for land application of manure and process wastewater. Of this acreage, 8,530.8 are spreadable, 49 are owned, and 8,610.5 are rented or controlled through contracts.

Substantial Compliance Determination

Enforcement During Last Permit: Miedema Dairy Farms LLC received a compliance reminder on August 6, 2025 regarding their nutrient management plan. After a desk top review of annual reports, NMP updates, compliance schedule items, and a site visit on 12/3/2024, this facility has been found to be in substantial compliance with their current permit.

Compliance determination made by Makayla Jacobs on 7/29/2025.

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 1: Sample point 001 is for liquid manure and process wastewater land applied waste storage facility 1 (WSF1) located at the main dairy site. WSF 1 is a liquid-tight concrete storage located just west of the dry cow barn and serves as the sand settling cell of a three-cell storage system. The facility has a maximum operating level capacity of 1.2 million gallons. This storage accepts manure and process wastewater from animal housing, the milking parlor, and feed storage area runoff controls. A weir structure allows liquids to overflow into WSF 2, where permanent markers are located. It was constructed in 2008 and has not been evaluated since.	
002	WSF 2: Sample point 002 is for liquid manure and process wastewater land applied waste storage facility 2 (WSF 2). WSF 2 is a liquid-tight concrete storage located just west of the dry cow barn and serves as the second cell of a three-cell storage system. The facility has a maximum operating level capacity of 6 million gallons. A weir structure allows liquids to overflow to WSF 3, where permanent markers are located. It was constructed in 2008 and has not been evaluated since.	
003	WSF Solids: Sample point 003 is for all manure laden sands and other solids land applied from waste storage facility 1,2, and 3.	
004	WSF 3: Sample point 004 is for liquid manure and process wastewater land applied from waste storage facility 3 (WSF 3). WSF 3 is a liquid-tight HDPE lined storage located just west of WSF 2 and serves as the third cell of a three-cell storage system. This storage has a maximum operating capacity level of 5.8 million gallons. Plans and specs were approved by the department and the facility was constructed in 2020.	
005	Misc Solids: Sample point 005 is for any miscellaneous solid manure directly land applied and not stored in a waste storage facility. This includes calf hutch manure, maternity pen bed pack, heifer bed pack, composted bedding that is land applied, and any solids removed from WSF 2. Representative samples shall be taken for each manure source type.	
006	Feed Storage Area: Sample point 006 is for visual monitoring and inspection of the feed storage area and associated runoff control system. The feed storage is located on the south side of the facility south of the WSFs. Corn silage is stored in bunkers under plastic, the runoff flows east into a collection system that pumps to WSF 1. The dry feed pad is located west of the bunkers. Bagged dry feed is stored in bags on a gravel pad. This FSA does not have a runoff collection system. The gravel pad was approved and added in 2016 and was last evaluated in 2025. Proper operation and maintenance is required to ensure to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program.	
008	Stormwater Diversion: Sample point 008 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.	
009	Headland Stacking: Sample point 009 is for solid manure land applied from approved headland stacking	

Sample Point Designation For Animal Waste		
Sample Point Number	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**	
	sites. Representative samples must be taken prior to land application. Stacks are defined as part of the production area and therefore subject to the production area discharge limitations of this permit. Weekly inspections of stack runoff controls are required and shall be recorded according to monitoring program.	

Permit Requirements

1 Livestock Operations - Proposed Operation and Management

Production Area Discharge Limitations

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

Runoff Control

The permit requires control of contaminated runoff from all elements of the production area to prevent a discharge of pollutants to navigable waters in accordance with the Production Area Discharge Limitations and to comply with surface water quality standards and groundwater standards. Beginning on the effective date of this permit, (if needed) interim measures shall be implemented to prevent discharges of pollutants to navigable waters. In addition, permanent runoff control system(s) shall be designed, operated and maintained in accordance with the requirements found in USDA Natural Resources Conservation Service standards and ch. NR 243, Wis. Adm. Code. If any upgrading or modifications to runoff controls are necessary, formal engineering plans and specifications must 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 242 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.

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 2221, it is estimated that approximately 19,750,221 gallons of manure and process wastewater will be produced per year. The permittee owns *approximately* 49 acres of cropland and rents about 8610.5. Given the rotation commonly used by the permittee, 8530.8 acres are available (or open) to receive manure and process wastewater on an annual basis. The permit requires all landspreading of manure and process wastewater be completed in accordance with an approved nutrient management plan. The permit will require sampling and analysis of manure and process wastewater that will be landspread. Landspreading rates must be adjusted based on sample analysis. The permit requires the permittee to maintain a daily log that documents landspreading activities. The permit also requires the submittal of an annual report that summarizes all landspreading activities. Plans must be updated annually to reflect cropping plans and other operational changes. Among the requirements, the plans must include detailed landspreading information including field by field nutrient budgets.

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

The 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 ($\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- WSF 1; 002- WSF 2; 004- WSF 3

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 language was updated to more accurately describe existing facilities.

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: 003- Liquid Solids; 005- Misc Solids, and 009- Headland Stacking

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: 006- Feed Storage Area and 008- Stormwater Diversions

1.3.1 Changes from Previous Permit

Sample point language was updated to more accurately describe existing facilities. Sample point 007 was removed as the facility does not utilize calf hutch areas at this time.

1.3.2 Explanation of Operation and Management Requirements

There 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.	04/01/2030

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(s)

- 5/28/2025 – Conditional Approval of Miedema Dairy Farms LLC Nutrient Management Plan
- 5/15/2025 – Days of Storage Review (R-2025-0085)
- 12/3/2024 – Reissuance Inspection

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: 8/21/2025**

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

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

May 28, 2025

Brown County
Approval

Siebrand Miedema
Miedema Dairy Farms LLC
4445 County Road C
Pulaski, WI 54162

SUBJECT: Conditional Approval of Miedema Dairy Farms LLC Nutrient Management Plan, WPDES Permit No. 0066532-02-0

Dear Siebrand Miedema:

After completing a review of Miedema Dairy Farms LLC 2025-2029 Nutrient Management Plan (NMP) the Wisconsin Department of Natural Resources (Department) is providing conditional approval that it is consistent with Nutrient Management Requirements in s. NR 243, Wis. Adm. Code. This part of your WPDES permit application is now ready for the public notice and comment process as required by Ch. 283 Stats.

Before applying manure onto approved fields each season, the Department recommends Miedema 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.

FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 2221 animal units (1535 milking & dry cows, 65 heifers). Currently there are no planned expansions in the next permit term.

2. Manure generation and spreading records indicate your herd will annually generate approximately 19,750,221 gallons of manure and process wastewater in the first year of the permit term. An additional 4,553,138 gallons of manure and process wastewater and 4007 tons of solid manure are applied to Miedema Dairy Farms LLC fields from non-CAFO sources.

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 Miedema Dairy Farms LLC currently has 8659.5 acres (49 owned and 8610.5 controlled through contracts, rental agreements or leases, or under manure agreements) of which 8530.8 are spreadable acres.

6. That all fields will be checked for the following features prior to/during manure or process wastewater applications: soil areas with possible shallow groundwater (i.e., within 24 inches of surface) at the time of manure application; required setbacks associated with wells, navigable waters, conduits to navigable waters, grassed waterways, wetlands, possible soil erosion/flow channels.

7. That surface applications of manure will not be completed when precipitation capable of producing runoff is forecasted within 24 hours of the time of planned application.

CONDITIONAL NUTRIENT MANAGEMENT PLAN APPROVAL

The Department hereby approves the 2025-2029 Miedema 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 Field Name	DNR #
1-J	ST PAPER LLC	GF-6	9835
3-C	ST PAPER LLC	GF-11	107275
3-H1	ST PAPER LLC	GF-2	42988
3-H1	ST PAPER LLC	GF-3	107319
3-H2	ST PAPER LLC	GF-5	107320
3-H4	ST PAPER LLC	GF-3	107319
3-H4	ST PAPER LLC	GF-5	107320
3-K	ST PAPER LLC	GF-4	107321
3-R	ST PAPER LLC	GF-5	107320
3-S	ST PAPER LLC	GF-1	42989
3-T-2	ST PAPER LLC	GF-9	107262
3-W	ST PAPER LLC	GF-8	107323
4-SI-P	BELGIOIOSO CHEESE INC CHASE	PI-2	106078
4-SJ-2	BELGIOIOSO CHEESE INC CHASE	PU-1	78535
5-Barney	ST PAPER LLC	SOB-2	118062
5-Busch- East	ST PAPER LLC	BUSCH-2	117075
5-Busch- West	ST PAPER LLC	BUSCH-1	117074
5-Daves	ST PAPER LLC	DAVE-1	117542
5-Hilbert- Cemetary Field	ST PAPER LLC	HILBERT-1	74341
5-Hilbert- North of Ditch	ST PAPER LLC	HILBERT-1	74341
5-Hilbert- South of Ditch	ST PAPER LLC	HILBERT-1	74341
5-Konitzer- 2nd Farm	ST PAPER LLC	JAK-1	111900
5-Rybka- 15 Acres South of D	ST PAPER LLC	RR-1	103714
5-Rybka- East of Rybka Lane	ST PAPER LLC	RR-2	103716
5-Rybka- Southwest 28	ST PAPER LLC	RR-1	103714
5-Rybka- West of Rybka Lane	ST PAPER LLC	RR-1	103714
5-Sobieski	ST PAPER LLC	SOB-1	118061
5-Wirock- Dumke Ln	ST PAPER LLC	KARDOS-1	50928

Prior to any manure applications on these fields Miedema 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 Miedema 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: Miedema 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 (848.7 acres) are prohibited from receiving applications of manure or process wastewater until updated soil samples have been taken:
   - 2-2W (P=253 ppm)
   - 3-T-2 (placeholder)
   - 5-Barney (placeholder)
   - 5-Daves (placeholder)
   - 5-Humecki (placeholder)
   - 5-John Matuszewski (placeholder)
   - 8-G-02 (placeholder)
   - 8-G-03 (placeholder)
   - 8-G-11 (placeholder)
   - 8-G-12 (placeholder)
   - 8-White Pine (placeholder)
   - 11-Laurence (placeholder)
   - 11-Leja (placeholder)
   - 11-Peters (placeholder)
   - 11-Randy Huben (placeholder)
   - 11-RW01 (placeholder)
   - 11-RW13 (placeholder)
   - 11-SH05-06 (placeholder)
   - 11-White East (placeholder)
   - 12-HF 26 (placeholder)
   - 14-Alexander (placeholder)
   - 16-Selig (placeholder)
   - 16-Strick 1 (placeholder)

   If Miedema 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, Miedema 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. Miedema Dairy Farms LLC shall record daily manure applications by using form 3200-123A.

8. Miedema 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 3200-123.

<u>WINTER SPREADING</u>

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 <u>approved</u> for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:
    - 1-B
    - 1-C
    - 1-CZPATA
    - 1-D
    - 5-Beans
    - 11-Andrews-West
    - 11-RW01
    - 11-RW02-04-06
    - 11-RW07-10
    - 11-RW11
    - 11-White West
    - 12-HF 21
    - 12-HF 23
    - 12-HF 24
    - 12-HF 25
    - 12-E 31
    - 12-E 32

11. The following field(s) are denied for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure because they are no longer included in the nutrient management plan:
    - 8- Slezewski N
    - 8-Slezewski S

12. 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.

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

14. 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

15. No headland stacking sites are approved.

MANURE & PROCESS WASTEWATER IRRIGATION

16. Irrigation of manure or process wastewater is prohibited.

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.

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) 228-5265 or Falon.French@Wisconsin.gov.

Sincerely,

Falon French
WDNR CAFO Intake/Nutrient Management Specialist
Wisconsin Department of Natural Resources

cc: Makayla Jacobs, WDNR Agricultural Runoff Specialist (makayla.jacobs@wisconsin.gov)
Joe B Baeten, WDNR Watershed Field Supervisor (Joseph.Baeten@wisconsin.gov)
Ben Uvaas, WDNR Acting Agricultural Runoff Section Manager (benjamin.uvaas@wisconsin.gov)
Aaron O'Rourke, WDNR Nutrient Management Program Coordinator (Aaron.Orourke@Wisconsin.gov)
Ashley Scheel, WDNR CAFO Nutrient Management Plan Reviewer (Ashley.Scheel@Wisconsin.gov)
Tabatha A Davis, WDNR CAFO Engineer (tabatha.davis@wisconsin.gov)
Nick Peltier, Brown County (Nick.Peltier@browncountywi.gov)
Ken Dolata, Oconto County (ken.dolata@co.oconto.wi.us)
Scott Frank, Shawano County (scott.frank@co.shawano.wi.us)
Douglas Hinz, Tilth Agronomy (doug@tilthag.com)
File

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

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

December 5, 2024

Siebrand Miedema
4431 County Road C
Pulaski, WI 54162

WPDES Permit No. WI-0066532-01-0
Brown County

Subject: Reissuance Compliance Inspection

Dear Mr. Miedema:

On December 3, 2024, the Department of Natural Resources (department) conducted a reissuance walkover inspection for Miedema Dairy Farm LLC. Results and photos are included in the enclosed report.

Miedema Dairy's WPDES permit is set to expire September 30, 2025. A permit reissuance application is due to be submitted no later than April 1, 2025.

If you have any questions regarding this letter or your WPDES permit requirements, please contact me at (920) 573-8033 or at Makayla.Jacobs@wisconsin.gov.

Sincerely,

Makayla Jacobs
Agricultural Runoff Management Specialist

Electronic CC:
Nick Peltier, Jon Bechle - Brown County LWD
Doug Hinz - Tilth Agronomy
Joe Baeten, Holly Stegemann, Falon French – DNR

CAFO Compliance Inspection Report

Inspection Date: 12/3/2024

Report Final Date: 12/5/2024

Operation Name: Miedema Dairy

WPDES Permit #: WI-0066532-01-0

Farm Address: 4431 County Road C, Pulaski, WI 54162

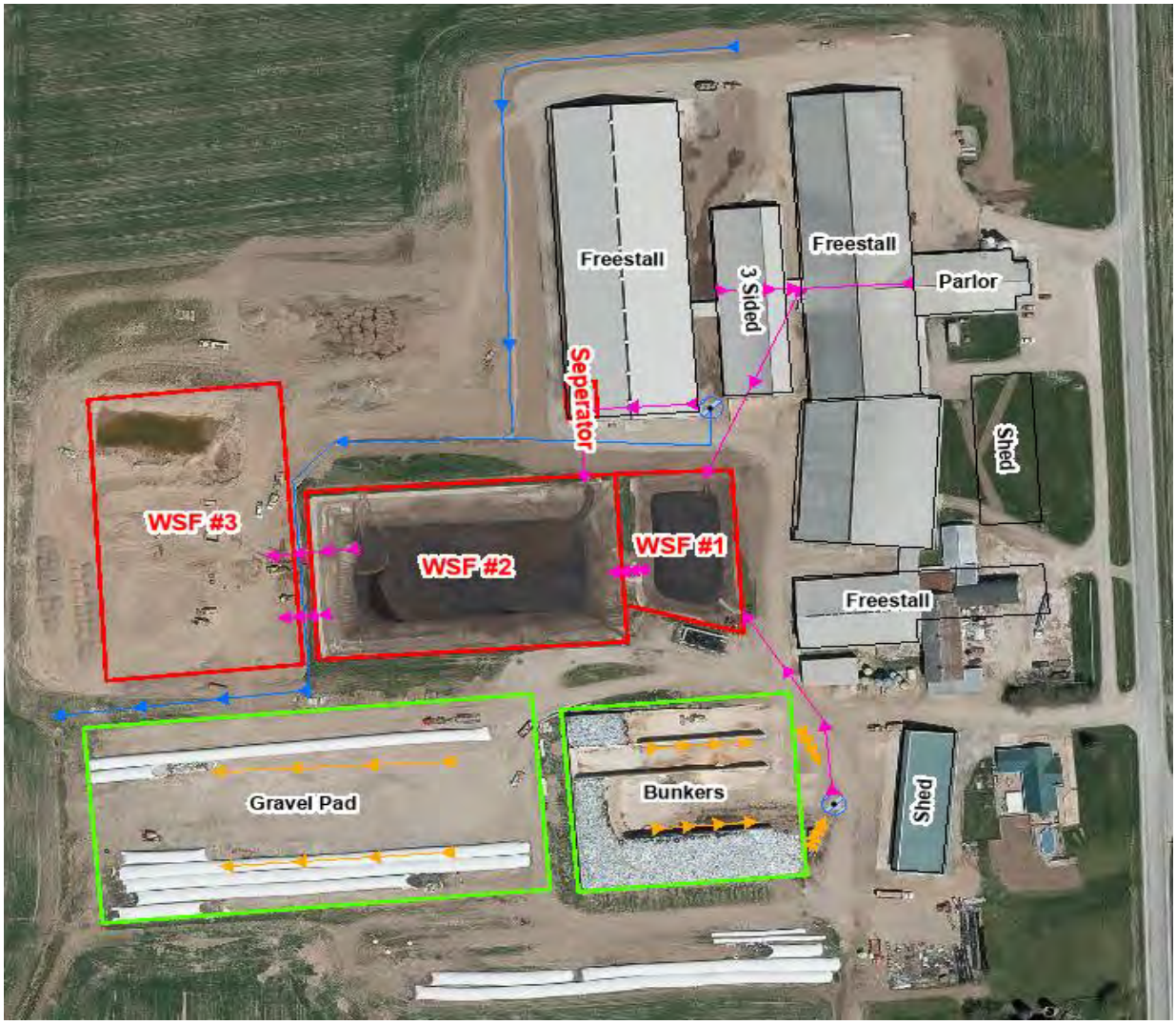
On-Site Representative(s): Siebrand Miedema, Owner/Operator - Doug Hinz, Agronomist

DNR Staff— Makayla Jacobs, Holly Stegmann, Agricultural Runoff Management Specialist

Introduction:

On December 23, 2024, Jacobs and Stegemann met with Miedema and Doug Hinz (Tilth Agronomy) to conduct a compliance reissuance site inspection of Miedema Dairy Farms LLC. All facilities under the permit coverage were inspected. Miedema Dairy's permit is set to expire September 30, 2025. Weather conditions were cold and windy.

Site Overview Diagram (Main Dairy: orange lines =potential runoff flow patterns, blue lines = stormwater flow, pink lines = waste transfer system, yellow circles indicate water supply well locations)



SITE OBSERVATIONS :

Feedlot Runoff

Miedema Dairy does not currently operate any feed lots, open air feed lanes, pastures, or grazing areas.

Calf Hutch Areas

Miedema Dairy does not utilize any calf hutch areas.

Waste Storage Facilities

Miedema Dairy operates three liquid storage facilities and recycles manure solids for bedding.

WSF 1 is a concrete lined facility that was constructed in 2008. It is the first cell in a three-celled system. This storage accepts manure from the adjacent barns, parlor wash, and process wastewater and leachate from the feed storage area. It has a maximum operating level of approximately 1.18 million gallons. At the time of inspection, proper fencing was present.

WSF 2 is a concrete lined facility that was constructed in 2008. It is the second cell in a two-celled system. This storage accepts manure and process wastewater from WSF 1 via an overflow weir and liquid via pipe from the solids separator, located north of WSF 2. It has a maximum operating level of 5.84 million gallons. At the time of inspection, proper fencing and permanent markers were present.

WSF 3 is a HDPE lined facility that was constructed in 2020. It is the third cell in a three-celled system. This storage accepts manure and process wastewater from WSF 2 via overflow weir. WSF 3 has a maximum operating level of 6.90 million gallons. At the time of inspection, proper fencing and permanent markers were present.

Solid and liquid waste storage facilities are managed to not have current or past indicators of discharges. Solid and liquid waste storage structures are well-maintained, in good repair, and in compliance with permit requirements. Liquid waste storage facilities have permanent markers installed.

Process Wastewater (other than feed storage area leachate/runoff)

Parlor wastewater in transferred to WSF 2. Process wastewater sources (milking center, wash water, etc.) are managed to not have current or past indicators of discharges.

Feed Storage Area (FSA) Runoff

The feed storage area consists of concrete bunkers that are sloped to convey runoff to the east. The runoff control system is a gravel ditch that conveys runoff to a collection tank on the east side of the bunkers where it is then transferred to WSF 1. There was a discussion about extending the concrete to the runoff collection tank and adding a drive over curb to keep the leachate contained.

A gravel haylage pad is located to the west of the feed storage bunkers. An evaluation was submitted by the farm for the haylage pad in 2021 (R-2021-0241), pending department review.

Approved temporary feed bags were observed with sorghum sileage. Miedema has until 5/28/2025 to feed out the temporary bags. There was discussion about expanding or adding additional permanent storage as temporary storage has been requested the past few years.

Feed storage areas and associated process wastewater (leachate, runoff) are managed to not have current or past indicators of discharges. Feed storage areas and runoff control systems are well-maintained and in good repair.

Animal Mortality Disposal

Animal mortalities are picked up as needed by Circle R Mink Ranch. Animal mortalities are managed to not have current or past indicators of discharges.

RECORDS REVIEW

The permittee has current WPDES Permit and Nutrient Management Plan onsite.

The permittee provided complete production site inspection records that are required to be retained.

The permittee provided adequate documentation that the facility has a minimum of 180 days of liquid manure storage capacity.

The permittee provided land application records to demonstrate compliance with nutrient management plan requirements.

The permittee has copies of their emergency response and monitoring and inspection plans onsite.

The permittee is up to date on required reporting and actions as specified in the Schedules section of permit.

SUMMARY

Substantial Compliance

The permittee is currently in substantial compliance with the permit.

Areas of Concern

- Gravel around feed storage area collection has potential for unpermitted discharges from the production area to groundwater.

Permit Violations

No permit violations found.

Action Items

None

Photo #:	0676
Date/Time of Photo:	12/3/2024 12:58
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 3

Photo Description:

Standing on the Southwest side of WSF 3 looking East. View of WSF 3.

Photo #:	0677
Date/Time of Photo:	12/3/2024 11:13
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 3

Photo Description:

Standing on the Southwest side of WSF 3 looking North. View of WSF 3.

Photo #:	0678
Date/Time of Photo:	12/3/2024 11:14
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 3

Photo Description:

Standing on the West side of WSF 3 looking East. Circled in red are the markers.

Photo #:	0680
Date/Time of Photo:	12/3/2024 11:16
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 3

Photo Description:

Standing on the Northwest side of WSF 3 looking East. View of WSF 3.

Photo #:	0683
Date/Time of Photo:	12/3/2024 11:17
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 3

Photo Description:

Standing on the North side of WSF 3 looking South. View of WSF 3.

Photo #:	0696
Date/Time of Photo:	12/3/2024 11:33
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 2

Photo Description:

Standing on the North side of WSF 2 looking South. View of WSF 2.

Photo #:	0697
Date/Time of Photo:	12/3/2024 11:33
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 2

Photo Description:

Standing on the North side of WSF 2 looking Southwest. View of WSF 2.

Photo #:	0698
Date/Time of Photo:	12/3/2024 11:33
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 2

Photo Description:

Standing on the North side of WSF 2 looking South. View of WSF 2.

Photo #:	0706
Date/Time of Photo:	12/3/2024 11:38
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 2

Photo Description:

Standing on the South side of WSF 2 looking West. Circled in red is a marker.

Photo #:	0707
Date/Time of Photo:	12/3/2024 11:38
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 2

Photo Description:

Standing on the South side of WSF 2 looking West. Circled in red is a marker.

Photo #:	0702
Date/Time of Photo:	12/3/2024 11:34
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 1

Photo Description:

Standing on the Northeast side of WSF 1 looking West. View of WSF 1.

Photo #:	0704
Date/Time of Photo:	12/3/2024 11:37
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 1

Photo Description:

Standing on the Southeast side of WSF 1 looking West. View of WSF 1.

Photo #:	0705
Date/Time of Photo:	12/3/2024 11:37
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 1

Photo Description:

Standing on the South side of WSF 1 looking North. View of WSF 1.

Photo #:	0703
Date/Time of Photo:	12/3/2024 11:36
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 1

Photo Description:

Standing on the Northeast side of WSF 1 looking South.

Photo #:	0689
Date/Time of Photo:	12/3/2024 11:23
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Solid Manure

Photo Description:

View of recently placed blocks around loadout areas.

Photo #:	0694
Date/Time of Photo:	12/3/2024 11:27
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Solid Separator

Photo Description:

View of solid separator inside free stall barn.

Photo #:	0665
Date/Time of Photo:	12/3/2024 11:04
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the East side of the bunkers looking West. View of feed bunkers.

Photo #:	0666
Date/Time of Photo:	12/3/2024 11:05
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the East side of the bunkers looking West. View of feed bunker.

Photo #:	0667
Date/Time of Photo:	12/3/2024 11:06
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the South side of the bunkers looking West. View of feed bunker.

Photo #:	0668
Date/Time of Photo:	12/3/2024 11:06
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the Southwest side of the bunker looking East.

Photo #:	0709
Date/Time of Photo:	12/3/2024 11:44
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the North side of bunker looking South. View of feed bunker.

Photo #:	0710
Date/Time of Photo:	12/3/2024 11:44
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the North side of the bunker looking South. View of leachate pump.

Photo #:	0669
Date/Time of Photo:	12/3/2024 11:07
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Bagged Feed

Photo Description:

Standing on the North side of the feed bag and South side of the feed bunkers.

Photo #:	0670
Date/Time of Photo:	12/3/2024 11:07
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Bagged Feed

Photo Description:

Standing on the East side of the gravel pad and West side of the feed bunker. View of feed bags.

Photo #:	0671
Date/Time of Photo:	12/3/2024 11:09
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Bagged Feed

Photo Description:

Standing on the South side of the gravel pad looking East. View of feed bags.

Photo #:	0672
Date/Time of Photo:	12/3/2024 11:10
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Bagged Feed

Photo Description:

Standing on the West side of the gravel pad looking North. View of feed bags.

Photo #:	0675
Date/Time of Photo:	12/3/2024 11:12
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Bagged Feed

Photo Description:

Standing on the North side of the gravel pad looking South. View of bagged feed.

Photo #:	0682
Date/Time of Photo:	12/3/2024 11:16
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Temporary Bagged Feed

Photo Description:

Standing on the North side of WSF 3 looking North. View of temporary bagged feed.

Photo #:	0687
Date/Time of Photo:	12/3/2024 11:22
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Bagged Feed

Photo Description:

Standing on the North side of the temporary bagged feed looking West.

Photo #:	0688
Date/Time of Photo:	12/3/2024 11:22
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Bagged Feed

Photo Description:

View of bagged feed.

Photo #:	0690
Date/Time of Photo:	12/3/2024 11:23
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy

Photo Description:

Standing on the North side of the free stall barns looking South.

Photo #:	0695
Date/Time of Photo:	12/3/2024 11:32
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy

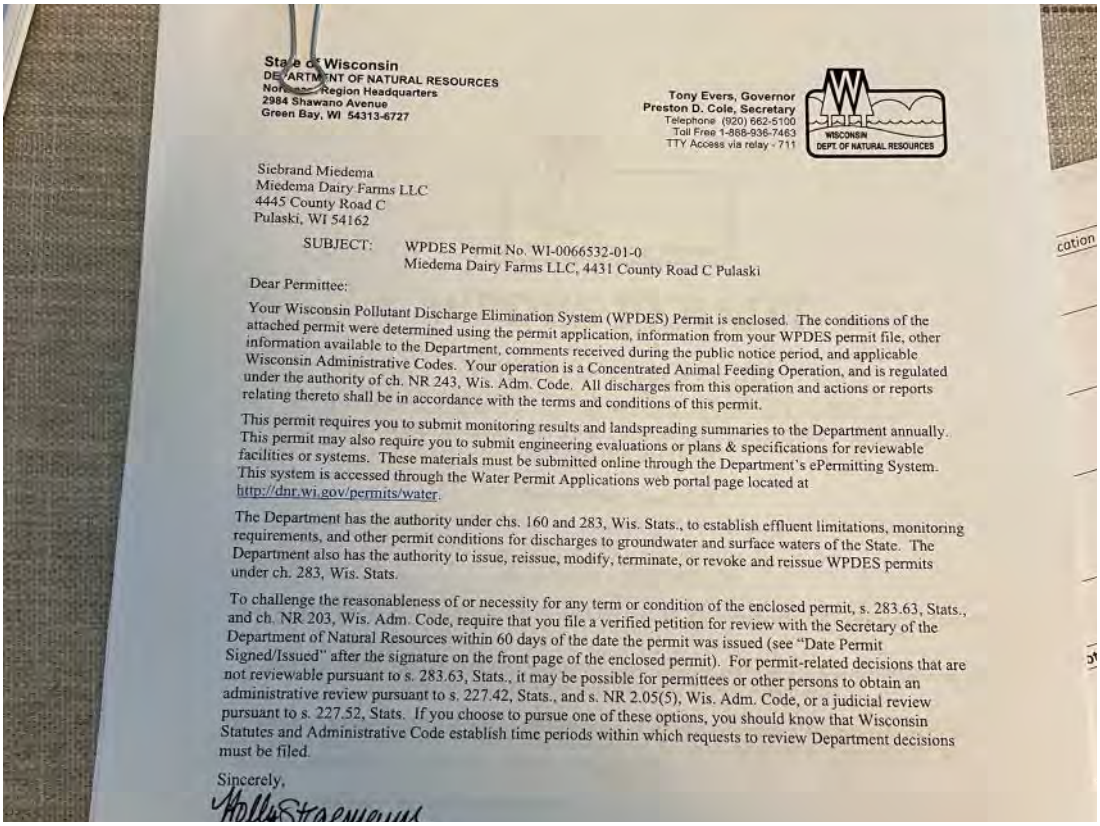
Photo Description:

Standing on the West side of WSF 3 looking South.

Photo #:	0662
Date/Time of Photo:	12/3/2024 10:58
Photo By:	Makayla Jacobs
Photo Location:	WPDES Permit

Photo Description:

WPDES Permit



State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Northeast Region Headquarters
2984 Shawano Avenue
Green Bay, WI 54313-6727

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone (920) 662-5100
Toll Free 1-888-936-7463
TTY Access via relay - 711

WISCONSIN DEPT. OF NATURAL RESOURCES

Siebrand Miedema
Miedema Dairy Farms LLC
4445 County Road C
Pulaski, WI 54162

SUBJECT: WPDES Permit No. WI-0066532-01-0
Miedema Dairy Farms LLC, 4431 County Road C Pulaski

Dear Permittee:

Your Wisconsin Pollutant Discharge Elimination System (WPDES) Permit is enclosed. The conditions of the attached permit were determined using the permit application, information from your WPDES permit file, other information available to the Department, comments received during the public notice period, and applicable Wisconsin Administrative Codes. Your operation is a Concentrated Animal Feeding Operation, and is regulated under the authority of ch. NR 243, Wis. Adm. Code. All discharges from this operation and actions or reports relating thereto shall be in accordance with the terms and conditions of this permit.

This permit requires you to submit monitoring results and landspreading summaries to the Department annually. This permit may also require you to submit engineering evaluations or plans & specifications for reviewable facilities or systems. These materials must be submitted online through the Department's ePermitting System. This system is accessed through the Water Permit Applications web portal page located at http://dnr.wi.gov/permits/water.

The Department has the authority under chs. 160 and 283, Wis. Stats., to establish effluent limitations, monitoring requirements, and other permit conditions for discharges to groundwater and surface waters of the State. The Department also has the authority to issue, reissue, modify, terminate, or revoke and reissue WPDES permits under ch. 283, Wis. Stats.

To challenge the reasonableness of or necessity for any term or condition of the enclosed permit, s. 283.63, Stats., and ch. NR 203, Wis. Adm. Code, require that you file a verified petition for review with the Secretary of the Department of Natural Resources within 60 days of the date the permit was issued (see "Date Permit Signed/Issued" after the signature on the front page of the enclosed permit). For permit-related decisions that are not reviewable pursuant to s. 283.63, Stats., it may be possible for permittees or other persons to obtain an administrative review pursuant to s. 227.42, Stats., and s. NR 2.05(5), Wis. Adm. Code, or a judicial review pursuant to s. 227.52, Stats. If you choose to pursue one of these options, you should know that Wisconsin Statutes and Administrative Code establish time periods within which requests to review Department decisions must be filed.

Sincerely,

Photo #:	0663
Date/Time of Photo:	12/3/2024 10:58
Photo By:	Makayla Jacobs
Photo Location:	CAFO Calendar

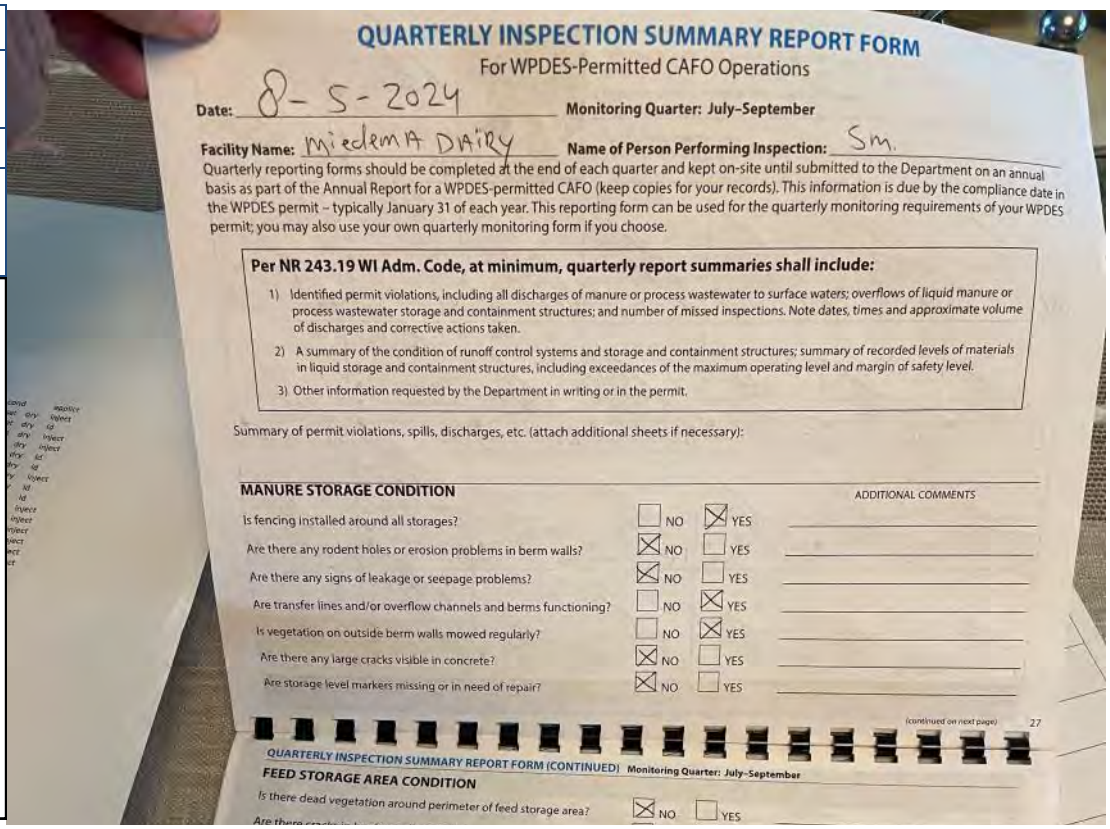
Photo Description:

CAFO Calendar

Photo #:	0663
Date/Time of Photo:	12/3/2024 10:58
Photo By:	Makayla Jacobs
Photo Location:	Quarterly Inspection

Photo Description:

Quarterly Inspection Report



QUARTERLY INSPECTION SUMMARY REPORT FORM
For WPDES-Permitted CAFO Operations

Date: 8-5-2024 Monitoring Quarter: July–September

Facility Name: Miedema Dairy Name of Person Performing Inspection: Sm.

Quarterly reporting forms should be completed at the end of each quarter and kept on-site until submitted to the Department on an annual basis as part of the Annual Report for a WPDES-permitted CAFO (keep copies for your records). This information is due by the compliance date in the WPDES permit – typically January 31 of each year. This reporting form can be used for the quarterly monitoring requirements of your WPDES permit; you may also use your own quarterly monitoring form if you choose.

Per NR 243.19 WI Adm. Code, at minimum, quarterly report summaries shall include:

1) Identified permit violations, including all discharges of manure or process wastewater to surface waters; overflows of liquid manure or process wastewater storage and containment structures; and number of missed inspections. Note dates, times and approximate volume of discharges and corrective actions taken.
2) A summary of the condition of runoff control systems and storage and containment structures; summary of recorded levels of materials in liquid storage and containment structures, including exceedances of the maximum operating level and margin of safety level.
3) Other information requested by the Department in writing or in the permit.

Summary of permit violations, spills, discharges, etc. (attach additional sheets if necessary):

MANURE STORAGE CONDITION ADDITIONAL COMMENTS

Is fencing installed around all storages?	☐ NO	☒ YES
Are there any rodent holes or erosion problems in berm walls?	☒ NO	☐ YES
Are there any signs of leakage or seepage problems?	☒ NO	☐ YES
Are transfer lines and/or overflow channels and berms functioning?	☐ NO	☒ YES
Is vegetation on outside berm walls mowed regularly?	☐ NO	☒ YES
Are there any large cracks visible in concrete?	☒ NO	☐ YES
Are storage level markers missing or in need of repair?	☒ NO	☐ YES

(continued on next page) 27

QUARTERLY INSPECTION SUMMARY REPORT FORM (CONTINUED) Monitoring Quarter: July–September

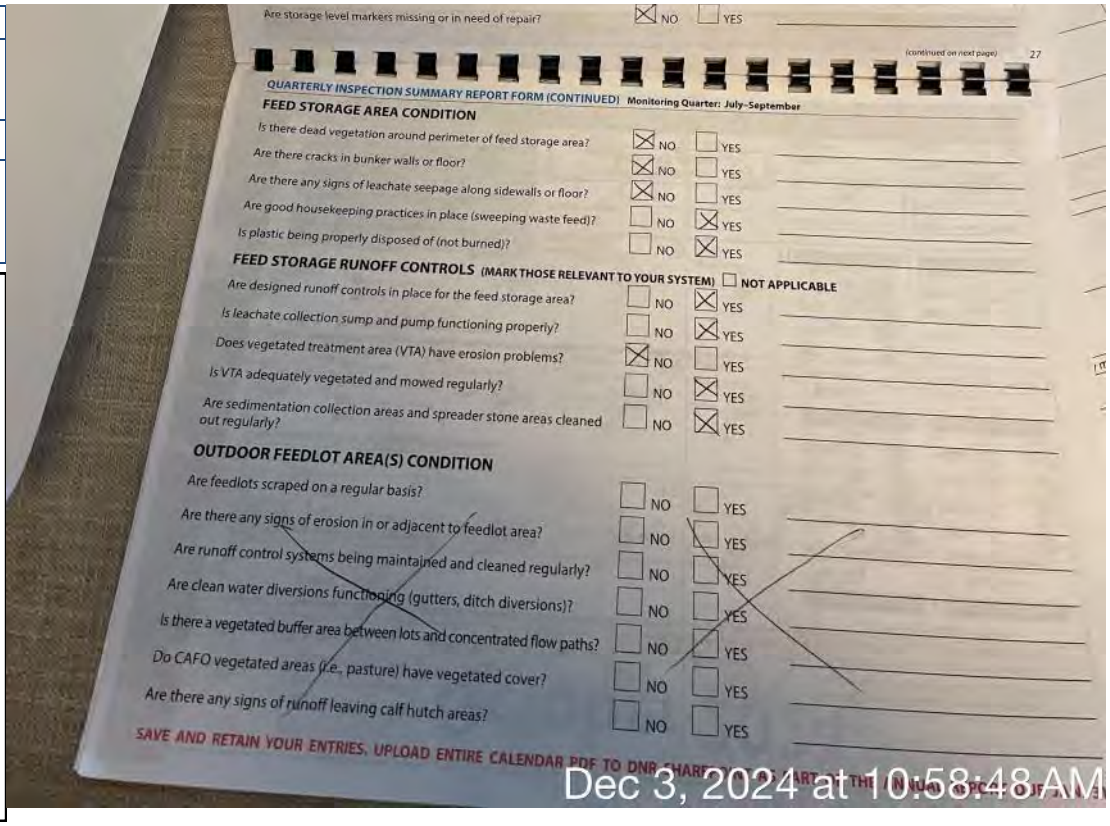
FEED STORAGE AREA CONDITION

Is there dead vegetation around perimeter of feed storage area?	☒ NO	☐ YES

Photo #:	0663
Date/Time of Photo:	12/3/2024 10:58
Photo By:	Makayla Jacobs
Photo Location:	Quarterly Inspection

Photo Description:

Quarterly Inspection Report



Are storage level markers missing or in need of repair? ☒ NO ☐ YES

(continued on next page) 27

QUARTERLY INSPECTION SUMMARY REPORT FORM (CONTINUED) Monitoring Quarter: July–September

FEED STORAGE AREA CONDITION

Is there dead vegetation around perimeter of feed storage area?	☒ NO	☐ YES
Are there cracks in bunker walls or floor?	☒ NO	☐ YES
Are there any signs of leachate seepage along sidewalls or floor?	☒ NO	☐ YES
Are good housekeeping practices in place (sweeping waste feed)?	☐ NO	☒ YES
Is plastic being properly disposed of (not burned)?	☐ NO	☒ YES

FEED STORAGE RUNOFF CONTROLS (MARK THOSE RELEVANT TO YOUR SYSTEM) ☐ NOT APPLICABLE

Are designed runoff controls in place for the feed storage area?	☐ NO	☒ YES
Is leachate collection sump and pump functioning properly?	☐ NO	☒ YES
Does vegetated treatment area (VTA) have erosion problems?	☒ NO	☐ YES
Is VTA adequately vegetated and mowed regularly?	☐ NO	☒ YES
Are sedimentation collection areas and spreader stone areas cleaned out regularly?	☐ NO	☒ YES

OUTDOOR FEEDLOT AREA(S) CONDITION

Are feedlots scraped on a regular basis?	☐ NO	☐ YES
Are there any signs of erosion in or adjacent to feedlot area?	☐ NO	☐ YES
Are runoff control systems being maintained and cleaned regularly?	☐ NO	☐ YES
Are clean water diversions functioning (gutters, ditch diversions)?	☐ NO	☐ YES
Is there a vegetated buffer area between lots and concentrated flow paths?	☐ NO	☐ YES
Do CAFO vegetated areas (i.e., pasture) have vegetated cover?	☐ NO	☐ YES
Are there any signs of runoff leaving calf hutch areas?	☐ NO	☐ YES

SAVE AND RETAIN YOUR ENTRIES. UPLOAD ENTIRE CALENDAR PDF TO DNR SHARE

Dec 3, 2024 at 10:58:48 AM

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

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

May 28, 2025

Brown County
Approval

Siebrand Miedema
Miedema Dairy Farms LLC
4445 County Road C
Pulaski, WI 54162

SUBJECT: Conditional Approval of Miedema Dairy Farms LLC Nutrient Management Plan, WPDES Permit No. 0066532-02-0

Dear Siebrand Miedema:

After completing a review of Miedema Dairy Farms LLC 2025-2029 Nutrient Management Plan (NMP) the Wisconsin Department of Natural Resources (Department) is providing conditional approval that it is consistent with Nutrient Management Requirements in s. NR 243, Wis. Adm. Code. This part of your WPDES permit application is now ready for the public notice and comment process as required by Ch. 283 Stats.

Before applying manure onto approved fields each season, the Department recommends Miedema 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.

FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 2221 animal units (1535 milking & dry cows, 65 heifers). Currently there are no planned expansions in the next permit term.

2. Manure generation and spreading records indicate your herd will annually generate approximately 19,750,221 gallons of manure and process wastewater in the first year of the permit term. An additional 4,553,138 gallons of manure and process wastewater and 4007 tons of solid manure are applied to Miedema Dairy Farms LLC fields from non-CAFO sources.

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 Miedema Dairy Farms LLC currently has 8659.5 acres (49 owned and 8610.5 controlled through contracts, rental agreements or leases, or under manure agreements) of which 8530.8 are spreadable acres.

6. That all fields will be checked for the following features prior to/during manure or process wastewater applications: soil areas with possible shallow groundwater (i.e., within 24 inches of surface) at the time of manure application; required setbacks associated with wells, navigable waters, conduits to navigable waters, grassed waterways, wetlands, possible soil erosion/flow channels.

7. That surface applications of manure will not be completed when precipitation capable of producing runoff is forecasted within 24 hours of the time of planned application.

CONDITIONAL NUTRIENT MANAGEMENT PLAN APPROVAL

The Department hereby approves the 2025-2029 Miedema 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 Field Name	DNR #
1-J	ST PAPER LLC	GF-6	9835
3-C	ST PAPER LLC	GF-11	107275
3-H1	ST PAPER LLC	GF-2	42988
3-H1	ST PAPER LLC	GF-3	107319
3-H2	ST PAPER LLC	GF-5	107320
3-H4	ST PAPER LLC	GF-3	107319
3-H4	ST PAPER LLC	GF-5	107320
3-K	ST PAPER LLC	GF-4	107321
3-R	ST PAPER LLC	GF-5	107320
3-S	ST PAPER LLC	GF-1	42989
3-T-2	ST PAPER LLC	GF-9	107262
3-W	ST PAPER LLC	GF-8	107323
4-SI-P	BELGIOIOSO CHEESE INC CHASE	PI-2	106078
4-SJ-2	BELGIOIOSO CHEESE INC CHASE	PU-1	78535
5-Barney	ST PAPER LLC	SOB-2	118062
5-Busch- East	ST PAPER LLC	BUSCH-2	117075
5-Busch- West	ST PAPER LLC	BUSCH-1	117074
5-Daves	ST PAPER LLC	DAVE-1	117542
5-Hilbert- Cemetary Field	ST PAPER LLC	HILBERT-1	74341
5-Hilbert- North of Ditch	ST PAPER LLC	HILBERT-1	74341
5-Hilbert- South of Ditch	ST PAPER LLC	HILBERT-1	74341
5-Konitzer- 2nd Farm	ST PAPER LLC	JAK-1	111900
5-Rybka- 15 Acres South of D	ST PAPER LLC	RR-1	103714
5-Rybka- East of Rybka Lane	ST PAPER LLC	RR-2	103716
5-Rybka- Southwest 28	ST PAPER LLC	RR-1	103714
5-Rybka- West of Rybka Lane	ST PAPER LLC	RR-1	103714
5-Sobieski	ST PAPER LLC	SOB-1	118061
5-Wirock- Dumke Ln	ST PAPER LLC	KARDOS-1	50928

Prior to any manure applications on these fields Miedema 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 Miedema 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: Miedema 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 (848.7 acres) are prohibited from receiving applications of manure or process wastewater until updated soil samples have been taken:
   - 2-2W (P=253 ppm)
   - 3-T-2 (placeholder)
   - 5-Barney (placeholder)
   - 5-Daves (placeholder)
   - 5-Humecki (placeholder)
   - 5-John Matuszewski (placeholder)
   - 8-G-02 (placeholder)
   - 8-G-03 (placeholder)
   - 8-G-11 (placeholder)
   - 8-G-12 (placeholder)
   - 8-White Pine (placeholder)
   - 11-Laurence (placeholder)
   - 11-Leja (placeholder)
   - 11-Peters (placeholder)
   - 11-Randy Huben (placeholder)
   - 11-RW01 (placeholder)
   - 11-RW13 (placeholder)
   - 11-SH05-06 (placeholder)
   - 11-White East (placeholder)
   - 12-HF 26 (placeholder)
   - 14-Alexander (placeholder)
   - 16-Selig (placeholder)
   - 16-Strick 1 (placeholder)

   If Miedema 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, Miedema 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. Miedema Dairy Farms LLC shall record daily manure applications by using form 3200-123A.

8. Miedema 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 3200-123.

<u>WINTER SPREADING</u>

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 <u>approved</u> for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:
    - 1-B
    - 1-C
    - 1-CZPATA
    - 1-D
    - 5-Beans
    - 11-Andrews-West
    - 11-RW01
    - 11-RW02-04-06
    - 11-RW07-10
    - 11-RW11
    - 11-White West
    - 12-HF 21
    - 12-HF 23
    - 12-HF 24
    - 12-HF 25
    - 12-E 31
    - 12-E 32

11. The following field(s) are denied for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure because they are no longer included in the nutrient management plan:
    - 8- Slezewski N
    - 8-Slezewski S

12. 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.

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

14. 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

15. No headland stacking sites are approved.

MANURE & PROCESS WASTEWATER IRRIGATION

16. Irrigation of manure or process wastewater is prohibited.

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.

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) 228-5265 or Falon.French@Wisconsin.gov.

Sincerely,

Falon French
WDNR CAFO Intake/Nutrient Management Specialist
Wisconsin Department of Natural Resources

cc: Makayla Jacobs, WDNR Agricultural Runoff Specialist (makayla.jacobs@wisconsin.gov)
Joe B Baeten, WDNR Watershed Field Supervisor (Joseph.Baeten@wisconsin.gov)
Ben Uvaas, WDNR Acting Agricultural Runoff Section Manager (benjamin.uvaas@wisconsin.gov)
Aaron O'Rourke, WDNR Nutrient Management Program Coordinator (Aaron.Orourke@Wisconsin.gov)
Ashley Scheel, WDNR CAFO Nutrient Management Plan Reviewer (Ashley.Scheel@Wisconsin.gov)
Tabatha A Davis, WDNR CAFO Engineer (tabatha.davis@wisconsin.gov)
Nick Peltier, Brown County (Nick.Peltier@browncountywi.gov)
Ken Dolata, Oconto County (ken.dolata@co.oconto.wi.us)
Scott Frank, Shawano County (scott.frank@co.shawano.wi.us)
Douglas Hinz, Tilth Agronomy (doug@tilthag.com)
File

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

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

May 15, 2025

FILE REF: R-2025-0085
WPDES Permit #: WI-0066532

Siebrand Miedema
Miedema Dairy Farms LLC
4445 County Road C
Pulaski, WI 54162

Subject: Days of Storage Review for Miedema Dairy Farms LLCSE¼ of T25N, R19E, Section 02 in Pittsfield Township, Brown County – NO ADDITIONAL ACTION REQUIRED

Dear Siebrand Miedema:

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 Douglas Gatrell, GHD Services Inc. on April 31, 2025 on behalf of Miedema Dairy Farms LLC.

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 Miedema Dairy Farms LLC has 242 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 2,221. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. Leachate and 0.335 inches of first flush from the feed storage area are collected in permanent waste storages.

Total Liquid Waste Storage Capacity (gallons)						
Waste Storage	Total Vol. from Settled Top to Bottom	-Solids Storage	-25-yr, 24-hr Precip. on Storage	25-yr, 24-hr Collected Runoff	Freeboard Vol.	Max. Operating Level (MOL) Vol.
#1	1,432,410		58,023		159,388	1,214,999
#2	6,808,673		200,587		534,964	6,073,122
#3	6,777,901	278,119	124,700		565,082	5,810,000
					Total MOL Vol:	13,098,121
					Days of Storage:	**242**

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure, Process Wastewater and Bedding	17,092,950
Feed Storage Leachate	112,200
Feed Storage Runoff Collected	395,719
Net Precipitation on Storage Surface(s)	2,149,352
TOTAL:	**19,750,221**

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

Bernie Michaud, P.E.
CAFO Engineer Supervisor
Watershed Management Program

Tabby Davis
CAFO Review Engineer
Watershed Management Program

Email:
Siebrand Miedema; Miedema Dairy Farms LLC
(920) 865-1104; siebrand_miedema@hotmail.com

Nick Coady; GHD
(920) 965-9542; Nicholas.Coady@ghd.com

Aaron O'Rourke; DNR, Eau Claire
(715) 839-3775; aaron.orourke@wisconsin.gov

Matt Woodrow; DATCP
(920) 427-8505; matthew.woodrow@wisconsin.gov

Makayla Jacobs; DNR-Northeast Region
(920) 573-8033; makayla.jacobs@wisconsin.gov

Joe B Baeten; DNR-Northeast Region
(920) 366-2072; Joseph.Baeten@wisconsin.gov

Ashley Scheel; DNR, Central Office
(608) 261-6419; ashley.scheel@wisconsin.gov

Nick Peltier; Brown County LCD
(920) 391-4633; Nick.Peltier@browncountywi.gov

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

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

December 5, 2024

Siebrand Miedema
4431 County Road C
Pulaski, WI 54162

WPDES Permit No. WI-0066532-01-0
Brown County

Subject: Reissuance Compliance Inspection

Dear Mr. Miedema:

On December 3, 2024, the Department of Natural Resources (department) conducted a reissuance walkover inspection for Miedema Dairy Farm LLC. Results and photos are included in the enclosed report.

Miedema Dairy's WPDES permit is set to expire September 30, 2025. A permit reissuance application is due to be submitted no later than April 1, 2025.

If you have any questions regarding this letter or your WPDES permit requirements, please contact me at (920) 573-8033 or at Makayla.Jacobs@wisconsin.gov.

Sincerely,

Makayla Jacobs
Agricultural Runoff Management Specialist

Electronic CC:
Nick Peltier, Jon Bechle - Brown County LWD
Doug Hinz - Tilth Agronomy
Joe Baeten, Holly Stegemann, Falon French – DNR

CAFO Compliance Inspection Report

Inspection Date: 12/3/2024

Report Final Date: 12/5/2024

Operation Name: Miedema Dairy

WPDES Permit #: WI-0066532-01-0

Farm Address: 4431 County Road C, Pulaski, WI 54162

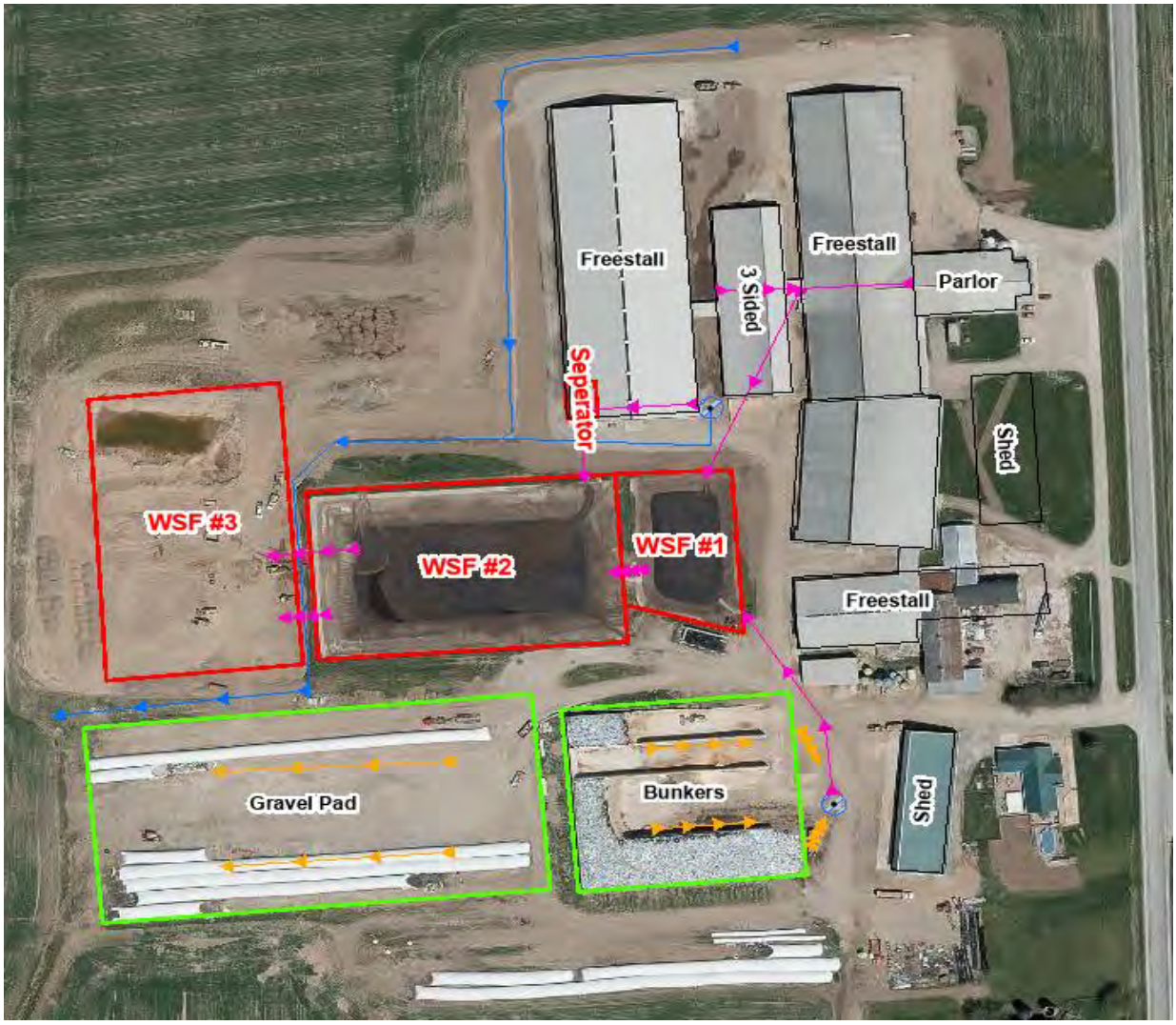
On-Site Representative(s): Siebrand Miedema, Owner/Operator - Doug Hinz, Agronomist

DNR Staff— Makayla Jacobs, Holly Stegmann, Agricultural Runoff Management Specialist

Introduction:

On December 23, 2024, Jacobs and Stegemann met with Miedema and Doug Hinz (Tilth Agronomy) to conduct a compliance reissuance site inspection of Miedema Dairy Farms LLC. All facilities under the permit coverage were inspected. Miedema Dairy's permit is set to expire September 30, 2025. Weather conditions were cold and windy.

Site Overview Diagram (Main Dairy: orange lines =potential runoff flow patterns, blue lines = stormwater flow, pink lines = waste transfer system, yellow circles indicate water supply well locations)



SITE OBSERVATIONS :

Feedlot Runoff

Miedema Dairy does not currently operate any feed lots, open air feed lanes, pastures, or grazing areas.

Calf Hutch Areas

Miedema Dairy does not utilize any calf hutch areas.

Waste Storage Facilities

Miedema Dairy operates three liquid storage facilities and recycles manure solids for bedding.

WSF 1 is a concrete lined facility that was constructed in 2008. It is the first cell in a three-celled system. This storage accepts manure from the adjacent barns, parlor wash, and process wastewater and leachate from the feed storage area. It has a maximum operating level of approximately 1.18 million gallons. At the time of inspection, proper fencing was present.

WSF 2 is a concrete lined facility that was constructed in 2008. It is the second cell in a two-celled system. This storage accepts manure and process wastewater from WSF 1 via an overflow weir and liquid via pipe from the solids separator, located north of WSF 2. It has a maximum operating level of 5.84 million gallons. At the time of inspection, proper fencing and permanent markers were present.

WSF 3 is a HDPE lined facility that was constructed in 2020. It is the third cell in a three-celled system. This storage accepts manure and process wastewater from WSF 2 via overflow weir. WSF 3 has a maximum operating level of 6.90 million gallons. At the time of inspection, proper fencing and permanent markers were present.

Solid and liquid waste storage facilities are managed to not have current or past indicators of discharges. Solid and liquid waste storage structures are well-maintained, in good repair, and in compliance with permit requirements. Liquid waste storage facilities have permanent markers installed.

Process Wastewater (other than feed storage area leachate/runoff)

Parlor wastewater in transferred to WSF 2. Process wastewater sources (milking center, wash water, etc.) are managed to not have current or past indicators of discharges.

Feed Storage Area (FSA) Runoff

The feed storage area consists of concrete bunkers that are sloped to convey runoff to the east. The runoff control system is a gravel ditch that conveys runoff to a collection tank on the east side of the bunkers where it is then transferred to WSF 1. There was a discussion about extending the concrete to the runoff collection tank and adding a drive over curb to keep the leachate contained.

A gravel haylage pad is located to the west of the feed storage bunkers. An evaluation was submitted by the farm for the haylage pad in 2021 (R-2021-0241), pending department review.

Approved temporary feed bags were observed with sorghum sileage. Miedema has until 5/28/2025 to feed out the temporary bags. There was discussion about expanding or adding additional permanent storage as temporary storage has been requested the past few years.

Feed storage areas and associated process wastewater (leachate, runoff) are managed to not have current or past indicators of discharges. Feed storage areas and runoff control systems are well-maintained and in good repair.

Animal Mortality Disposal

Animal mortalities are picked up as needed by Circle R Mink Ranch. Animal mortalities are managed to not have current or past indicators of discharges.

RECORDS REVIEW

The permittee has current WPDES Permit and Nutrient Management Plan onsite.

The permittee provided complete production site inspection records that are required to be retained.

The permittee provided adequate documentation that the facility has a minimum of 180 days of liquid manure storage capacity.

The permittee provided land application records to demonstrate compliance with nutrient management plan requirements.

The permittee has copies of their emergency response and monitoring and inspection plans onsite.

The permittee is up to date on required reporting and actions as specified in the Schedules section of permit.

SUMMARY

Substantial Compliance

The permittee is currently in substantial compliance with the permit.

Areas of Concern

- Gravel around feed storage area collection has potential for unpermitted discharges from the production area to groundwater.

Permit Violations

No permit violations found.

Action Items

None

Photo #:	0676
Date/Time of Photo:	12/3/2024 12:58
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 3

Photo Description:

Standing on the Southwest side of WSF 3 looking East. View of WSF 3.

Photo #:	0677
Date/Time of Photo:	12/3/2024 11:13
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 3

Photo Description:

Standing on the Southwest side of WSF 3 looking North. View of WSF 3.

Photo #:	0678
Date/Time of Photo:	12/3/2024 11:14
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 3

Photo Description:

Standing on the West side of WSF 3 looking East. Circled in red are the markers.

Photo #:	0680
Date/Time of Photo:	12/3/2024 11:16
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 3

Photo Description:

Standing on the Northwest side of WSF 3 looking East. View of WSF 3.

Photo #:	0683
Date/Time of Photo:	12/3/2024 11:17
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 3

Photo Description:

Standing on the North side of WSF 3 looking South. View of WSF 3.

Photo #:	0696
Date/Time of Photo:	12/3/2024 11:33
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 2

Photo Description:

Standing on the North side of WSF 2 looking South. View of WSF 2.

Photo #:	0697
Date/Time of Photo:	12/3/2024 11:33
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 2

Photo Description:

Standing on the North side of WSF 2 looking Southwest. View of WSF 2.

Photo #:	0698
Date/Time of Photo:	12/3/2024 11:33
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 2

Photo Description:

Standing on the North side of WSF 2 looking South. View of WSF 2.

Photo #:	0706
Date/Time of Photo:	12/3/2024 11:38
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 2

Photo Description:

Standing on the South side of WSF 2 looking West. Circled in red is a marker.

Photo #:	0707
Date/Time of Photo:	12/3/2024 11:38
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 2

Photo Description:

Standing on the South side of WSF 2 looking West. Circled in red is a marker.

Photo #:	0702
Date/Time of Photo:	12/3/2024 11:34
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 1

Photo Description:

Standing on the Northeast side of WSF 1 looking West. View of WSF 1.

Photo #:	0704
Date/Time of Photo:	12/3/2024 11:37
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 1

Photo Description:

Standing on the Southeast side of WSF 1 looking West. View of WSF 1.

Photo #:	0705
Date/Time of Photo:	12/3/2024 11:37
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 1

Photo Description:

Standing on the South side of WSF 1 looking North. View of WSF 1.

Photo #:	0703
Date/Time of Photo:	12/3/2024 11:36
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy WSF 1

Photo Description:

Standing on the Northeast side of WSF 1 looking South.

Photo #:	0689
Date/Time of Photo:	12/3/2024 11:23
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Solid Manure

Photo Description:

View of recently placed blocks around loadout areas.

Photo #:	0694
Date/Time of Photo:	12/3/2024 11:27
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Solid Separator

Photo Description:

View of solid separator inside free stall barn.

Photo #:	0665
Date/Time of Photo:	12/3/2024 11:04
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the East side of the bunkers looking West. View of feed bunkers.

Photo #:	0666
Date/Time of Photo:	12/3/2024 11:05
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the East side of the bunkers looking West. View of feed bunker.

Photo #:	0667
Date/Time of Photo:	12/3/2024 11:06
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the South side of the bunkers looking West. View of feed bunker.

Photo #:	0668
Date/Time of Photo:	12/3/2024 11:06
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the Southwest side of the bunker looking East.

Photo #:	0709
Date/Time of Photo:	12/3/2024 11:44
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the North side of bunker looking South. View of feed bunker.

Photo #:	0710
Date/Time of Photo:	12/3/2024 11:44
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the North side of the bunker looking South. View of leachate pump.

Photo #:	0669
Date/Time of Photo:	12/3/2024 11:07
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Bagged Feed

Photo Description:

Standing on the North side of the feed bag and South side of the feed bunkers.

Photo #:	0670
Date/Time of Photo:	12/3/2024 11:07
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Bagged Feed

Photo Description:

Standing on the East side of the gravel pad and West side of the feed bunker. View of feed bags.

Photo #:	0671
Date/Time of Photo:	12/3/2024 11:09
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Bagged Feed

Photo Description:

Standing on the South side of the gravel pad looking East. View of feed bags.

Photo #:	0672
Date/Time of Photo:	12/3/2024 11:10
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Bagged Feed

Photo Description:

Standing on the West side of the gravel pad looking North. View of feed bags.

Photo #:	0675
Date/Time of Photo:	12/3/2024 11:12
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Bagged Feed

Photo Description:

Standing on the North side of the gravel pad looking South. View of bagged feed.

Photo #:	0682
Date/Time of Photo:	12/3/2024 11:16
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Temporary Bagged Feed

Photo Description:

Standing on the North side of WSF 3 looking North. View of temporary bagged feed.

Photo #:	0687
Date/Time of Photo:	12/3/2024 11:22
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Bagged Feed

Photo Description:

Standing on the North side of the temporary bagged feed looking West.

Photo #:	0688
Date/Time of Photo:	12/3/2024 11:22
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy Bagged Feed

Photo Description:

View of bagged feed.

Photo #:	0690
Date/Time of Photo:	12/3/2024 11:23
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy

Photo Description:

Standing on the North side of the free stall barns looking South.

Photo #:	0695
Date/Time of Photo:	12/3/2024 11:32
Photo By:	Makayla Jacobs
Photo Location:	Main Dairy

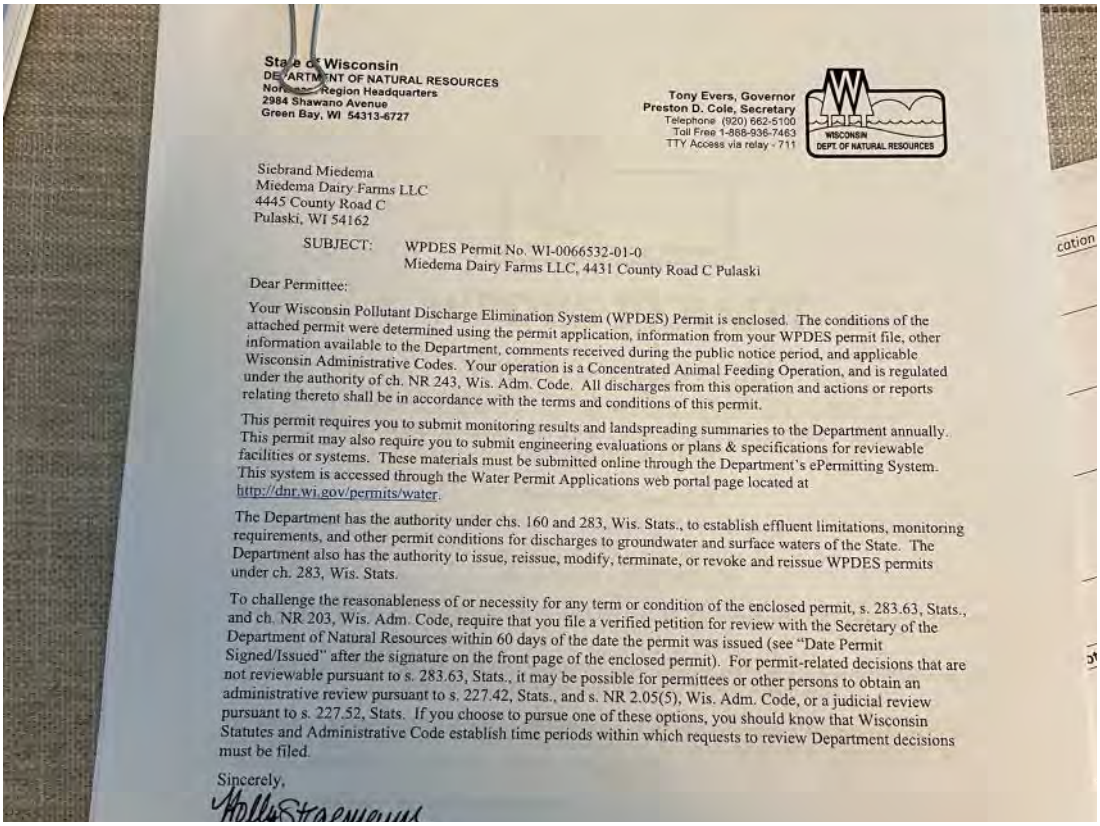
Photo Description:

Standing on the West side of WSF 3 looking South.

Photo #:	0662
Date/Time of Photo:	12/3/2024 10:58
Photo By:	Makayla Jacobs
Photo Location:	WPDES Permit

Photo Description:

WPDES Permit



State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Northeast Region Headquarters
2984 Shawano Avenue
Green Bay, WI 54313-6727

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone (920) 662-5100
Toll Free 1-888-936-7463
TTY Access via relay - 711

WISCONSIN DEPT. OF NATURAL RESOURCES

Siebrand Miedema
Miedema Dairy Farms LLC
4445 County Road C
Pulaski, WI 54162

SUBJECT: WPDES Permit No. WI-0066532-01-0
Miedema Dairy Farms LLC, 4431 County Road C Pulaski

Dear Permittee:

Your Wisconsin Pollutant Discharge Elimination System (WPDES) Permit is enclosed. The conditions of the attached permit were determined using the permit application, information from your WPDES permit file, other information available to the Department, comments received during the public notice period, and applicable Wisconsin Administrative Codes. Your operation is a Concentrated Animal Feeding Operation, and is regulated under the authority of ch. NR 243, Wis. Adm. Code. All discharges from this operation and actions or reports relating thereto shall be in accordance with the terms and conditions of this permit.

This permit requires you to submit monitoring results and landspreading summaries to the Department annually. This permit may also require you to submit engineering evaluations or plans & specifications for reviewable facilities or systems. These materials must be submitted online through the Department's ePermitting System. This system is accessed through the Water Permit Applications web portal page located at http://dnr.wi.gov/permits/water.

The Department has the authority under chs. 160 and 283, Wis. Stats., to establish effluent limitations, monitoring requirements, and other permit conditions for discharges to groundwater and surface waters of the State. The Department also has the authority to issue, reissue, modify, terminate, or revoke and reissue WPDES permits under ch. 283, Wis. Stats.

To challenge the reasonableness of or necessity for any term or condition of the enclosed permit, s. 283.63, Stats., and ch. NR 203, Wis. Adm. Code, require that you file a verified petition for review with the Secretary of the Department of Natural Resources within 60 days of the date the permit was issued (see "Date Permit Signed/Issued" after the signature on the front page of the enclosed permit). For permit-related decisions that are not reviewable pursuant to s. 283.63, Stats., it may be possible for permittees or other persons to obtain an administrative review pursuant to s. 227.42, Stats., and s. NR 2.05(5), Wis. Adm. Code, or a judicial review pursuant to s. 227.52, Stats. If you choose to pursue one of these options, you should know that Wisconsin Statutes and Administrative Code establish time periods within which requests to review Department decisions must be filed.

Sincerely,

Photo #:	0663
Date/Time of Photo:	12/3/2024 10:58
Photo By:	Makayla Jacobs
Photo Location:	CAFO Calendar

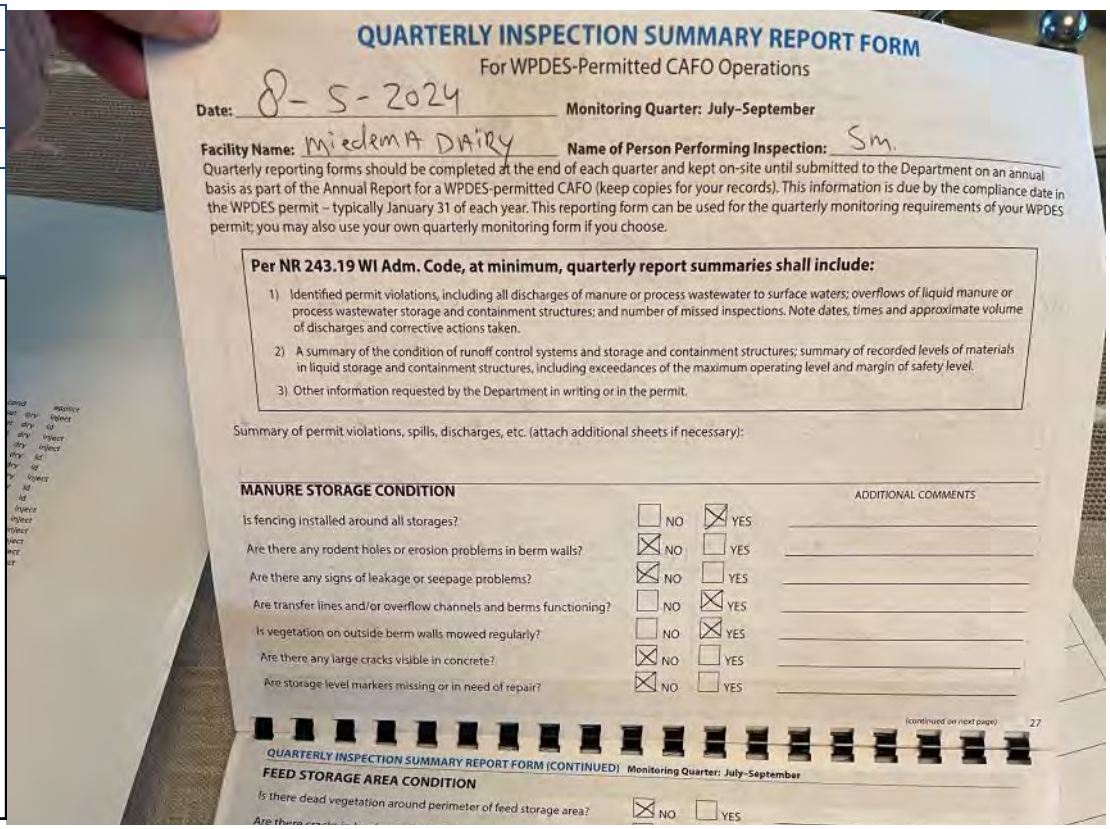
Photo Description:

CAFO Calendar

Photo #:	0663
Date/Time of Photo:	12/3/2024 10:58
Photo By:	Makayla Jacobs
Photo Location:	Quarterly Inspection

Photo Description:

Quarterly Inspection Report



QUARTERLY INSPECTION SUMMARY REPORT FORM
For WPDES-Permitted CAFO Operations

Date: 8-5-2024 Monitoring Quarter: July–September

Facility Name: Miedema Dairy Name of Person Performing Inspection: Sm.

Quarterly reporting forms should be completed at the end of each quarter and kept on-site until submitted to the Department on an annual basis as part of the Annual Report for a WPDES-permitted CAFO (keep copies for your records). This information is due by the compliance date in the WPDES permit – typically January 31 of each year. This reporting form can be used for the quarterly monitoring requirements of your WPDES permit; you may also use your own quarterly monitoring form if you choose.

Per NR 243.19 WI Adm. Code, at minimum, quarterly report summaries shall include:

1) Identified permit violations, including all discharges of manure or process wastewater to surface waters; overflows of liquid manure or process wastewater storage and containment structures; and number of missed inspections. Note dates, times and approximate volume of discharges and corrective actions taken.
2) A summary of the condition of runoff control systems and storage and containment structures; summary of recorded levels of materials in liquid storage and containment structures, including exceedances of the maximum operating level and margin of safety level.
3) Other information requested by the Department in writing or in the permit.

Summary of permit violations, spills, discharges, etc. (attach additional sheets if necessary):

MANURE STORAGE CONDITION ADDITIONAL COMMENTS

Is fencing installed around all storages?	☐ NO	☒ YES
Are there any rodent holes or erosion problems in berm walls?	☒ NO	☐ YES
Are there any signs of leakage or seepage problems?	☒ NO	☐ YES
Are transfer lines and/or overflow channels and berms functioning?	☐ NO	☒ YES
Is vegetation on outside berm walls mowed regularly?	☐ NO	☒ YES
Are there any large cracks visible in concrete?	☒ NO	☐ YES
Are storage level markers missing or in need of repair?	☒ NO	☐ YES

(continued on next page) 27

QUARTERLY INSPECTION SUMMARY REPORT FORM (CONTINUED) Monitoring Quarter: July–September

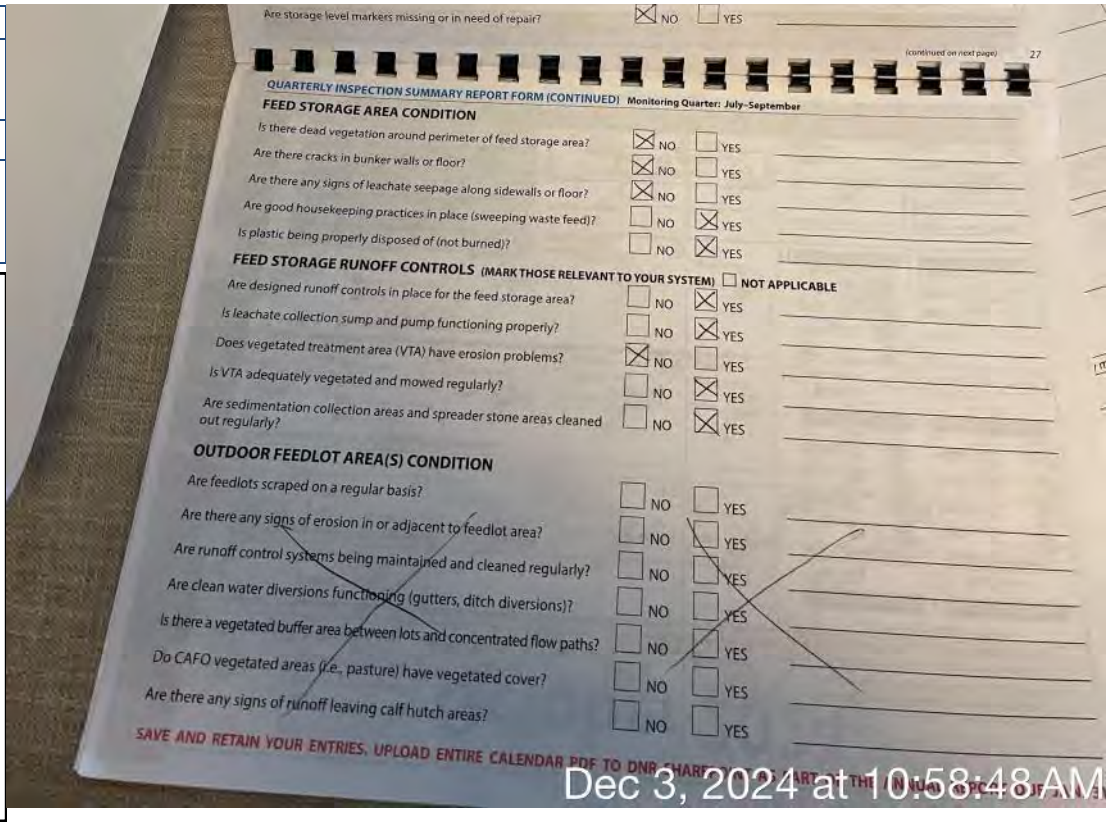
FEED STORAGE AREA CONDITION

Is there dead vegetation around perimeter of feed storage area?	☒ NO	☐ YES

Photo #:	0663
Date/Time of Photo:	12/3/2024 10:58
Photo By:	Makayla Jacobs
Photo Location:	Quarterly Inspection

Photo Description:

Quarterly Inspection Report



Are storage level markers missing or in need of repair? ☒ NO ☐ YES

(continued on next page) 27

QUARTERLY INSPECTION SUMMARY REPORT FORM (CONTINUED) Monitoring Quarter: July–September

FEED STORAGE AREA CONDITION

Is there dead vegetation around perimeter of feed storage area?	☒ NO	☐ YES
Are there cracks in bunker walls or floor?	☒ NO	☐ YES
Are there any signs of leachate seepage along sidewalls or floor?	☒ NO	☐ YES
Are good housekeeping practices in place (sweeping waste feed)?	☐ NO	☒ YES
Is plastic being properly disposed of (not burned)?	☐ NO	☒ YES

FEED STORAGE RUNOFF CONTROLS (MARK THOSE RELEVANT TO YOUR SYSTEM) ☐ NOT APPLICABLE

Are designed runoff controls in place for the feed storage area?	☐ NO	☒ YES
Is leachate collection sump and pump functioning properly?	☐ NO	☒ YES
Does vegetated treatment area (VTA) have erosion problems?	☒ NO	☐ YES
Is VTA adequately vegetated and mowed regularly?	☐ NO	☒ YES
Are sedimentation collection areas and spreader stone areas cleaned out regularly?	☐ NO	☒ YES

OUTDOOR FEEDLOT AREA(S) CONDITION

Are feedlots scraped on a regular basis?	☐ NO	☐ YES
Are there any signs of erosion in or adjacent to feedlot area?	☐ NO	☐ YES
Are runoff control systems being maintained and cleaned regularly?	☐ NO	☐ YES
Are clean water diversions functioning (gutters, ditch diversions)?	☐ NO	☐ YES
Is there a vegetated buffer area between lots and concentrated flow paths?	☐ NO	☐ YES
Do CAFO vegetated areas (i.e., pasture) have vegetated cover?	☐ NO	☐ YES
Are there any signs of runoff leaving calf hutch areas?	☐ NO	☐ YES

SAVE AND RETAIN YOUR ENTRIES. UPLOAD ENTIRE CALENDAR PDF TO DNR SHARE

Dec 3, 2024 at 10:58:48 AM

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

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

May 15, 2025

FILE REF: R-2025-0085
WPDES Permit #: WI-0066532

Siebrand Miedema
Miedema Dairy Farms LLC
4445 County Road C
Pulaski, WI 54162

Subject: Days of Storage Review for Miedema Dairy Farms LLCSE¼ of T25N, R19E, Section 02 in Pittsfield Township, Brown County – NO ADDITIONAL ACTION REQUIRED

Dear Siebrand Miedema:

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 Douglas Gatrell, GHD Services Inc. on April 31, 2025 on behalf of Miedema Dairy Farms LLC.

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 Miedema Dairy Farms LLC has 242 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 2,221. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. Leachate and 0.335 inches of first flush from the feed storage area are collected in permanent waste storages.

Total Liquid Waste Storage Capacity (gallons)						
Waste Storage	Total Vol. from Settled Top to Bottom	-Solids Storage	-25-yr, 24-hr Precip. on Storage	25-yr, 24-hr Collected Runoff	Freeboard Vol.	Max. Operating Level (MOL) Vol.
#1	1,432,410		58,023		159,388	1,214,999
#2	6,808,673		200,587		534,964	6,073,122
#3	6,777,901	278,119	124,700		565,082	5,810,000
					Total MOL Vol:	13,098,121
					Days of Storage:	**242**

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure, Process Wastewater and Bedding	17,092,950
Feed Storage Leachate	112,200
Feed Storage Runoff Collected	395,719
Net Precipitation on Storage Surface(s)	2,149,352
TOTAL:	**19,750,221**

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

Bernie Michaud, P.E.
CAFO Engineer Supervisor
Watershed Management Program

Tabby Davis
CAFO Review Engineer
Watershed Management Program

Email:
Siebrand Miedema; Miedema Dairy Farms LLC
(920) 865-1104; siebrand_miedema@hotmail.com

Nick Coady; GHD
(920) 965-9542; Nicholas.Coady@ghd.com

Aaron O'Rourke; DNR, Eau Claire
(715) 839-3775; aaron.orourke@wisconsin.gov

Matt Woodrow; DATCP
(920) 427-8505; matthew.woodrow@wisconsin.gov

Makayla Jacobs; DNR-Northeast Region
(920) 573-8033; makayla.jacobs@wisconsin.gov

Joe B Baeten; DNR-Northeast Region
(920) 366-2072; Joseph.Baeten@wisconsin.gov

Ashley Scheel; DNR, Central Office
(608) 261-6419; ashley.scheel@wisconsin.gov

Nick Peltier; Brown County LCD
(920) 391-4633; Nick.Peltier@browncountywi.gov