

Permit Fact Sheet

General Information

Permit Number	WI-0063673-04-0
Permittee Name and Address	Wakker Dairy Farm LLC N2348 Hwy 42, Kewaunee, WI 54216
Permitted Facility Name and Address	Main Site: N2348 Highway 42, Kewaunee, WI 54216 S ½ NW ¼ S1 T22N R24E, Township of Carlton, Kewaunee County Paplham Site: N1685 Woodside Rd, Kewaunee, WI 54216 NE ¼ NE ¼ S15 T22N R24E, Township of Carlton, Kewaunee County
Permit Term	August 01, 2026 to July 31, 2031
Receiving Water	Unnamed tributaries within the East Twin River Watershed and Lake Michigan Drainage Basin, and groundwaters of the state
Discharge Type	Existing source CAFO per NR 243.03(23) as the facility has been permitted since 2007

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	5040	5148	6020	6149	12/21/2027
Heifers (800 lbs. to 1200 lbs.)	160	145	220	200	12/21/2027
Total	5202	5148	6240	6149	

Facility Description

Wakker Dairy Farm, LLC is an existing Concentrated Animal Feeding Operation (CAFO) located in the Township of Carlton in Kewaunee County. Wakker Dairy Farm, LLC is owned and operated by Johannes Wakker. Wakker Dairy Farm, LLC consists of a main production area located at N2348 Highway 42, Kewaunee, WI 54216 and a satellite site (Paplham Site) located at N1685 Woodside Rd, Kewaunee, WI 54216. At the main production site there two liquid waste storage facilities, one feed storage area, one digester and solid separation system, and multiple animal barns. At the Paplham site there is a barn and one liquid waste storage facility.

The current herd size is 5,201 animal units (3,600 milking & dry cows, 145 heifers, and 12 calves). During this permit term, there is a planned herd expansion to 6,422 animal units (4,280 milking and dry cows and 300 heifers) by the end of 2027. Wakker Dairy Farm, LLC currently produces approximately 40 million gallons of liquid manure and process wastewater, and approximately 500 tons of solid manure annually. After the expansion, it is estimated the annual liquid manure and process wastewater generation will increase to 54.5 million gallons of liquid manure and process wastewater, and approximately 600 tons of solid manure. Wakker Dairy Farm, LLC currently has 274 days of storage, and after expansion, will then have 197 days of liquid manure and process waste storage, approximately 29.5 million gallons.

Wakker Dairy Farm, LLC owns and rents approximately 4,796 acres of cropland, of which 4,710 acres are available for manure application.

Substantial Compliance Determination

During the previous permit term, Wakker Dairy Farm LLC received two Notice of Violations for manure discharges from land application practices to waters of the state. On February 22, 2021, Wakker Dairy Farm was subsequently referred to the Wisconsin Department of Justice (DOJ) for prosecution for the violations of Wisconsin Pollutant Discharge Elimination System Permit and corresponding statutes and rules. In April of 2022, Wakker Dairy Farm satisfied the judgement that was rendered against Wakker Dairy Farm as a result of the DOJ case. The facility has completed all previously required actions as part of the enforcement process.

After a desktop review of all annual reports, nutrient management plan updates, compliance schedule items, and a site visit on August 14, 2025, this facility has been found to be in substantial compliance with their current permit.

Sample Point Descriptions

Sample Point Designation For Animal Waste	
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)
002	Solid Manure - Sample point 002 is for solid manure sources that are directly land applied and not stored in a waste storage facility. This includes solid sources such as calf hutch manure, maternity pen bedpack, heifer bedpack, steer manure, etc. Representative samples shall be taken for each manure source type.
004	WSF 3 - Sample point 004 is for liquid waste storage facility 3 (WSF 3) located at the Main Site. WSF 3 is a clay-lined storage located east of WSF 4. The facility has a capacity of 14,032,274 gallons and was constructed in 2010. This storage accepts manure and process wastewater from the freestall barns and feed storage area. WSF 3 was constructed with department approved plans and specifications in 2010.
005	WSF 4 - Sample point 005 is for liquid waste storage facility 4 (WSF 4) located at the Main Site. WSF 4 is an in-place earthen storage located west of WSF 3. The facility has a capacity of 13,825,490 gallons and was constructed in 2013. This storage accepts manure and process wastewater from WSF 3. WSF 4 was constructed with department approved plans and specifications in 2013.
006	Feed Storage Area - Sample point 006 is for visual monitoring and inspection of the feed storage area and associated runoff control system located at the Main Site. Proper operation and maintenance is required to ensure discharges of process wastewater to waters of the state do not occur. Weekly inspections are required and shall be recorded according to monitoring program. Plans and specifications for upgrades to the feed storage area runoff control system will be required to be submitted to the department according to the Schedules section of the permit.
007	Separated Solids - Sample point 007 is for separated manure solids. These are typically reused as bedding and stored in the separated solids building. Separated solids may also be distributed to another party according to Department approval and Distribution of Manure and Process Wastewater section of permit.
008	Digested Liquids - Sample Point 008 is for the anaerobic digester. This sample point addresses all digested liquids located within the digester. Sampling from within the digester cell for nutrient content is only required if the liquids are to be manually pumped from the cell and directly land applied.
009	WSF 5 - Sample point 009 is for liquid waste storage facility 5 (WSF 5) located at the Papham Farm site. WSF 5 is an in-place earthen storage located west of the freestall barn. The facility has a capacity of 2,625,444 gallons and was constructed in 2009. This storage accepts manure and process wastewater from

Sample Point Designation For Animal Waste	
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)
	the freestall barn at the Paplham Farm site. An updated engineering evaluation for WSF 5 will be required to be submitted in accordance with the Schedules section of the permit.
010	Stormwater - Sample point 010 is for visual monitoring and inspection of all production site storm water conveyance systems. This includes roof gutter and downspout structures, drainage tile systems, grassed waterways and other diversion systems that transport uncontaminated storm water. Proper operation and maintenance is required to keep uncontaminated runoff diverted away from manure and process wastewater handling systems. Weekly inspections are required and shall be recorded according to monitoring program.

Permit Requirements

1 Livestock Operations - Proposed Operation and Management

Production Area Discharge Limitations

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

Runoff Control

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

Manure and Process Wastewater Storage

The permit requires the operation to have adequate storage for manure and process wastewater and that storage or containment facilities are designed, operated and maintained to prevent overflows and discharges to waters of the state. In order to prevent overflows, the permittee must maintain levels of materials in liquid storage or containment facilities at or below certain levels including a one foot margin of safety that can never be exceeded. If any upgrading or modifications to the storage facilities are necessary, formal engineering plans and specifications must be submitted to the Department for approval.

The permittee currently has approximately 274 days of storage for liquid manure. The permittee must maintain 180 days of storage, unless temporary reductions in required storage are approved by the Department.

Ancillary Service and Storage Areas

The permittee shall take preventative maintenance actions and conduct visual inspections to minimize pollutant discharges from areas of the operation that are not part of the production area or land application areas. These areas are called ancillary service and storage areas and include access roads, shipping and receiving areas, maintenance areas, refuse piles and CAFO outdoor vegetated areas.

Nutrient Management

With 3,050 milking and dry cows and 250 heifers, it is estimated that approximately 40,005,484 gallons of manure and process wastewater and 500 tons of solid manure will be produced per year. After expanding to 4,280 milking & dry cows and 300 heifers by 2027, it is estimated that approximately 54,489,434 gallons of manure and process wastewater and 600 tons of solid manure. The permittee owns approximately 418 acres of cropland and rents about 4,292 acres. Given the rotation commonly used by the permittee, 4,710 acres are available (or open) to receive manure and process wastewater on an annual basis. The permit requires all landspreading of manure and process wastewater be completed in accordance with an approved nutrient management plan. The permit will require sampling and analysis of manure and process wastewater that will be landspread. Landspreading rates must be adjusted based on sample analysis. The permit requires the permittee to maintain a daily log that documents landspreading activities. The permit also requires the submittal of an annual report that summarizes all landspreading activities. Plans must be updated annually to reflect cropping plans and other operational changes. Among the requirements, the plans must include detailed landspreading information including field by field nutrient budgets.

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

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

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

Monitoring and Sampling Requirements

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

Sampling Points

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

1.1 Sample Point Number: 002- Misc. Solid Manure; 007- Digested Separated Solids

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	

1.1.1 Changes from Previous Permit

No changes were made from the previous permit.

1.1.2 Explanation of Operation and Management Requirements

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

1.2 Sample Point Number: 004- WSF 3; 005- WSF 4; 008- Digested Liquids; 009- WSF 5

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
Nitrogen, Total		lb/1000gal	2/Month	Grab	
Nitrogen, Available		lb/1000gal	2/Month	Calculated	
Phosphorus, Total		lb/1000gal	2/Month	Grab	
Phosphorus, Available		lb/1000gal	2/Month	Calculated	
Solids, Total		Percent	2/Month	Grab	

1.2.1 Changes from Previous Permit

Sample Point 009 (WSF 5) was added to the WPDES permit for the storage facility at the Paplham Site.

1.2.2 Explanation of Operation and Management Requirements

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

1.3 Sample Point Number: 006- Feed Storage Area and 010- Storm Water

1.3.1 Changes from Previous Permit

No changes were made from the previous permit.

1.3.2 Explanation of Operation and Management Requirements

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

2 Schedules

2.1 Emergency Response Plan

Required Action	Due Date
Develop Emergency Response Plan: Develop a written Emergency Response Plan within 30 days of permit coverage, available to the Department upon request.	08/31/2026

2.2 Explanation of Schedules

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

2.3 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 update and submit a proposed monitoring and inspection program within 60 days of the effective date of this permit.	09/30/2026

2.4 Explanation of Schedules

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

2.5 Annual Reports

Submit Annual Reports by January 31st of each year in accordance with the Annual Reports subsection in Standard Requirements.

Required Action	Due Date
Submit Annual Report #1: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2027
Submit Annual Report #2: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2028
Submit Annual Report #3: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2029

Submit Annual Report #4: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2030
Submit Annual Report #5: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2031
Ongoing Annual Reports: Continue to submit Annual Reports until permit reissuance has been completed.	

2.6 Explanation of Schedules

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

2.7 Nutrient Management Plan

Submit annual nutrient management plan (NMP) updates by March 31 of each year. Note, in addition to annual NMP updates, submit NMP amendments and substantial revisions to the department for written approval prior to implementation of any changes to the NMP.

Required Action	Due Date
Management Plan Submittal: Submit any necessary updates to the Nutrient Management Plan to meet the conditions outlined in this permit (see conditions in the Livestock Operational and Sampling Requirements section).	
Management Plan Annual Update #1: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2027
Management Plan Annual Update #2: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2028
Management Plan Annual Update #3: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2029
Management Plan Annual Update #4: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2030
Management Plan Annual Update #5: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2031
Ongoing Management Plan Annual Updates: Continue to submit Annual Updates to the Nutrient Management Plan until permit reissuance has been completed.	

2.8 Explanation of Schedules

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

2.9 Submit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	01/31/2031

2.10 Explanation of Schedules

A permit reissuance application is required per s. NR 243.12(1)(d) Wis. Admin. Code.

2.11 Manure Storage Facility - Engineering Evaluation

Applicable to WSF 5 at the Paplham Site

Required Action	Due Date
Written Report: Submit a written report evaluating the existing manure storage facility's ability to meet the conditions in the Production Area Discharge Limitations and Manure and Process Wastewater Storage subsections and s. NR 243.15, Wis. Adm. Code. (See Standard Requirements for report details.)	12/31/2026
Plans and Specifications: Submit plans and specifications for Department review and approval in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code, to permanently correct any adverse manure storage conditions.	05/31/2027
Corrections and Post Construction Documentation: Complete construction on the manure storage facility that permanently corrects any adverse conditions in concurrence with and approval by the Department, by the specified Date Due. Submit post construction documentation within 60 days of completion of the project.	12/31/2027

2.12 Explanation of Schedules

Engineering evaluation of WSF 5 (Sample Point 009) has been included per s. NR 243.16(2) Wis. Admin. Code; Additional information is required for the engineering evaluation of WSF 5 to be deemed complete.

2.13 Runoff Control System - Installation

Applicable to the Feed Storage Area at the Main Site

Required Action	Due Date
Plans and Specifications: Submit plans and specifications for a permanent feed storage runoff control system for Department review and approval in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code. See Standard Requirements for plan content information.	12/31/2026
Complete Installation: Complete construction of runoff control system. System shall be functional and in operation by the specified Date Due. Post construction documentation shall be submitted within 60 days of completion of the project.	12/31/2027

2.14 Explanation of Schedules

Engineering evaluation of the feed storage area and associated runoff controls (Sample Point 006) has been included per s. NR 243.16(1) Wis. Admin. Code as the department has not previously evaluated the facility.

Other Comments

Additional nutrient management requirements have been added to Permit Section 1.5.4 – Additional Nutrient Management Plan Requirements to limit the volume of liquid manure that can be land applied per application, in accordance with s. NR 243.14(10) Wis. Admin. Code. The department has the authority to require the permittee to implement practices in addition to the requirements specified in the permit when determined necessary to prevent exceedances of groundwater quality standards, prevent impairments of wetland functional values, prevent runoff of manure or process wastewater during dry weather conditions or to address previous manure or process wastewater runoff events or discharges from a site to waters of the state that occurred despite compliance with the conditions of a WPDES permit.

Attachments

August 14, 2025 Permit Reissuance Inspection

February 23, 2026 Nutrient Management Plan Conditional Approval

August 26, 2025 Days of Storage No Further Actions Letter

Sample Point Map

Justification Of Any Waivers From Permit Application Requirements

No waivers were requested or granted as part of this permit reissuance.

Prepared By: James Salscheider

Agricultural Runoff Management Specialist

Date: 5/8/2026

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

Tony Evers, Governor
Karen Hyun, Ph.D., Secretary
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September 29, 2025

Wakker Dairy Inc.
N2348 State Highway 42
Kewaunee, WI 54216

Permit No.: WI-0063673-03-0
County: Kewaunee

Dear Mr. Johannes Wakker:

On August 14, 2025, the Department of Natural Resources (department) met with you to conduct a reissuance inspection at Wakker Dairy Inc. Observations made by the department during the inspection are included in the enclosed report.

Please find on page 5 of the enclosed report, a detailed list of potential action items that will be needed during the next permit term. Please review this section carefully.

If you have any questions regarding this letter or your WPDES permit requirements, please contact me at 608-228-9184 or brittany.mueller@wisconsin.gov.

Sincerely,

Brittany Mueller
Regional CAFO Specialist

Enclosure: Wakker Dairy Inc. Permit Reissuance Inspection Report

Electronic CC: Joseph Baeten, Brian Hanson- DNR
Jose Vuitz Vasquez- Wakker Dairy Inc.
Todd Koss- Koss Ag LLC
Davina Bonness, Travis Engels- Kewaunee County LWCD
Jen Keuning- GHD Services

CAFO Compliance Report (September 24, 2025)



Inspection Date: August 14, 2025

Inspection Type: Reissuance

Operation Name: Wakker Dairy Farm Inc.

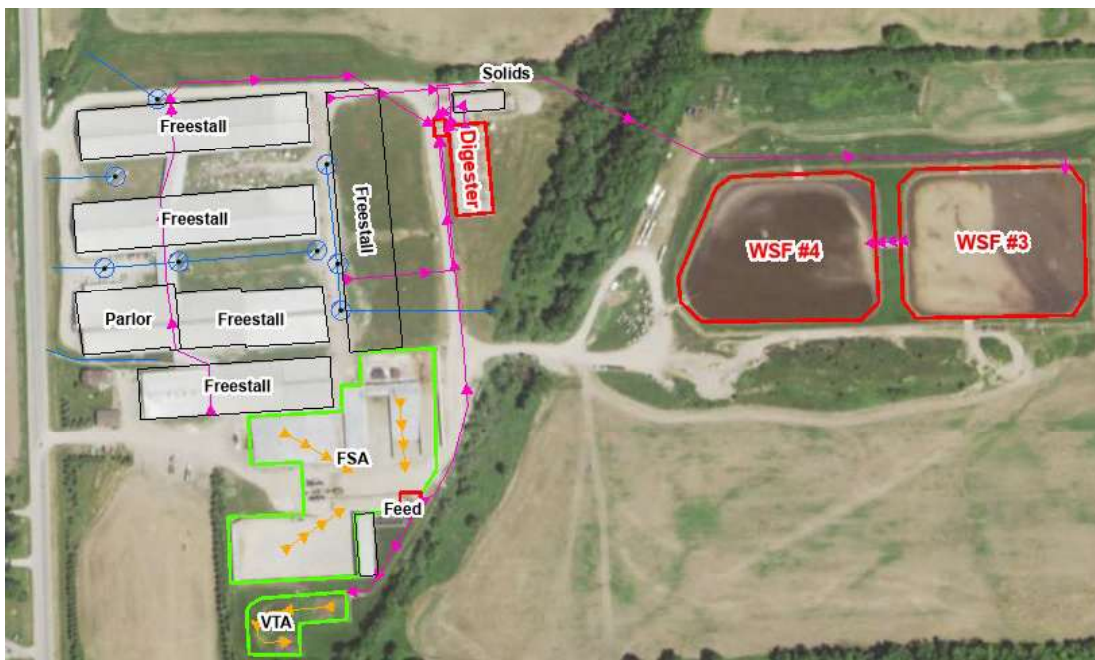
WPDES Permit No. WI-0063673-03-0

Operation Address: Main Site- N2348 Hwy 42, Kewaunee, WI 54216
Paplhams Site- N1685 Woodside Rd, Kewaunee, WI 54216

On-Site Representative(s): Johannes Wakker, Owner & Jose Ruiz Vasquez, Manager

DNR Staff / Report Writer: Brittiny Mueller, Agricultural Runoff Specialist

At approximately 9:00 am on August 14th, 2025, Brittiny Mueller, WDNR Agricultural Runoff Management Specialist, met with Johannes Wakker (Wakker), owner of Wakker Dairy Farm Inc. to conduct a complete site inspection as part of the WPDES permit reissuance process. Mueller was joined by Brian Hanson, WDNR Agricultural Runoff Management Specialist. Wakker was joined by Jennifer Keuning, GHD, and Jose, farm manager at Wakker Dairy. Wakker Dairy Farm consists of two production sites. The Main Site is located at N2348 Hwy 42, Kewaunee, WI 54216. The legal description is S ½ of the NW ¼ of S1 T22N R24E, Township of Carlton, Kewaunee County. The Main Site consists of five freestall barns (one being built), one milking parlor, two liquid waste storage facilities, one anaerobic digester, one solid separation building, one feed storage area, and one vegetated treatment area. The Paplhams Farm is located at N1685 Woodside Rd, Kewaunee, WI 54216. The legal description is NE ¼ of the NE ¼ of S15 T22N R24E, Township of Carlton, Kewaunee County. Paplhams Farm consists of one freestall barn and one liquid waste storage facility, where heifers and dry cows are housed. The weather during the inspection was sunny and 70°F.



Aerial Map 1. The figure above illustrates the aerial view of Wakker Dairy Farm Inc's Main Site. The Main Site consists of five freestall barns (one being built), one milking parlor, two liquid waste storage facilities, one anaerobic digester, one solid separation building, and one vegetated treatment area. The purple lines represent manure and process wastewater transfer lines. The yellow arrows represent surface flow of runoff from the feed storage area. The aerial photo was obtained from WDNR AgViewer.



Aerial Map 2. The figure above illustrates the aerial view of Wakker Dairy Farm Inc.'s Paplham Site. The Paplham Site consists of one freestall barn, one liquid waste storage facility. The feed storage area and milking parlor are not being utilized. The purple lines represent manure and process wastewater transfer lines. The yellow arrows represent surface flow of runoff from the feed storage area. The aerial photo was obtained from WDNR AgViewer.

SITE OBSERVATIONS

Feedlot Runoff

Wakker Dairy does not utilize feedlots at either the Main Site or the Paplham Site.

Calf Hutch Areas

Calves are not raised at Wakker Dairy. Once calves are born, they are picked up three times a week and transported off-site where they will be custom raised. Calves are housed in super hutches located on the north side of the milking parlor between the parlor and the freestall barn.

Waste Storage Facilities

Wakker Dairy Farm Inc. utilizes three clay lined liquid waste storage facilities (WSF). The barns are bedded with separated solids from the anaerobic digester located at the Main Site. In the freestall barns, manure is collected with skid steer or vacuum truck where it is put into the waste transfer system.

WSF 3 is located east of WSF 4 on the east side of the Main Site. WSF 3 is a clay lined liquid manure storage facility that was built in 2010 and met permit requirements. WSF 3 has a maximum operating level (MOL) capacity of approximately 13.5 million gallons. WSF 3 is the first stage in a two-cell system and accepts liquid digestate from the digester.

WSF 4 is located west of WSF 3 on the east side of the Main Site. WSF 4 is a clay lined liquid manure storage facility that was built in 2013 and met permit requirements. WSF 4 has a MOL capacity of approximately 13.3 million gallons. WSF 4 is the second stage of the two-cell system and accepts liquid digestate from WSF 3.

Wakker Dairy uses an anaerobic digester and fiber separation system to treat the liquid manure that is generated at the Main Site. The anaerobic digester is located east of the freestall barns, with the solid separation building located north of the digester. Manure from the flush flume in the freestall barns is transferred to a reception tank located west of the digester. From the tank, manure is transferred into the digester. After digestion, the solid fibers are removed from the manure, dried, and stored within the building until it will be used as bedding. After the solids are removed, the liquid digestate is returned to the reception tank and then pumped to WSF 3.

WSF Paplham (5) is located on the west side of the Paplham Site. WSF Paplham is an in place earthen liquid manure storage facility that was constructed in 2009, and an engineering evaluation will be required. WSF Paplham has a MOL capacity of approximately 2.6 million gallons. WSF Paplham accepts manure from the freestall barn at the Paplham Site, which houses heifers and dry cows.

Waste storage facilities do not have current or past indicators of discharges. Liquid waste storage WSF 3 and WSF 4 are well-maintained, in good repair, and in compliance with permit requirements. The Maximum Operating Level (MOL) markers and Margin of Safety (MOS) markers were present on all three WSFs. WSF Paplham required a portion of the fencing to be repaired, and vegetation management was necessary. **Both areas of concerns have since been addressed and completed. See Appendix A.**

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

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

Process wastewater generated in the milking parlor at the Main Site is captured and comingled with manure in the flume system in the freestall barns.

Feed Storage Area Runoff

Wakker Dairy utilizes one feed storage area at the Main Site. The feed storage area is located on the south side of the production site, where corn silage and haylage is stored in bunkers and covered with plastic. In the west corner of a feed storage bunker, there was observed accumulation of water. **This area of concern has since been addressed and completed. See Appendix A.**

Runoff from the bunkers flow from northwest to southeast, where the process wastewater enters one of three inlets. Runoff enters a 44,000-gallon tank that has a float system which triggers a pump. The pump transfers process wastewater to the digester effluent reception tank adjacent where it is comingled with digestate and transferred to permanent storage. The float system is set up to run for a duration of time and then reset every 24 hours. All additional runoff that is not transferred to storage is transferred to a concrete spreader bar that evenly distributes runoff across a vegetated treatment area (VTA). At the time of the inspection, process wastewater was observed ponded within the concrete spreader bar. Areas of dead vegetation were present, and a tile outlet was identified; however, the inlet location of the tile line could not be determined. Significant ponding was also noted in the VTA, indicating that the VTA was not functioning as intended. There was no evidence of runoff leaving the boundaries of the VTA. A discussion was held between Mueller, Wakker, and Jen Keuning regarding the future of the VTA. Wakker agreed that it would be appropriate to forgo further evaluation of the current system and proceed directly with plans and specifications for improvements.

At the Paplham Site, feed from the mangers was observed spilling over the sides during feeding, resulting in the accumulation of processed wastewater in the area. **This area of concern has since been addressed and completed. See Appendix A.**

The feed storage area and runoff control system are not well-maintained, in good repair and in compliance with permit requirements. The feed storage area and associated process wastewater (leachate, runoff) are managed to not have current or past indicators of discharges.

Animal Mortality Disposal

Animal mortalities picked up daily, as needed, by Sandy Bay Mink Ranch.

Animal mortalities are managed to not have current or past indicators of discharges.

Ancillary Service Areas

Wakker Dairy utilizes a series of surface inlets, culverts, and tile lines to capture stormwater and convey the clean water off-site. One surface inlet is located near the calf hutches, but there was no sign of runoff entering the inlet. A new stormwater culvert pipe was installed from the east side of the freestall barns east to the creek; however, no erosion mitigation measures were observed. ***This area of concern has since been addressed and completed. See Appendix A.***

Preventative maintenance actions and visual inspections are occurring to minimize pollutant discharges from ancillary service and storage areas (i.e. storm water conveyance systems, driveways, etc.).

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

Areas of Concern

- Accumulation of water in the west corner of a feed storage bunker.
- Spilled feed from the mangers resulting in accumulation of processed wastewater at the Paplham site.
- No erosion mitigation measures on the culvert pipe at the Main Site.
- Vegetation present and fence repair needed on WSF Paplham.
- Ponding, solids in the spreader bar, and dead vegetation with the VTA
- Tile outlet East of the VTA with Unknown Inlet Location

Action Items

- Clean out accumulated water in the Northwest corner of the feed storage area.
- Better housekeeping with feed coming out of the mangers at the Paplham Site.
- Remove vegetation around WSF Paplham.
- Repair the fence around WSF Paplham.
- Add erosion mitigation measures on the new culvert pipe at the Main Site.

All action items have since been addressed and completed. See Appendix A.

Potential Items for the Next Permit Term

- Engineering evaluation for the VTA
- Engineering evaluation for the Paplham Pit

Photo #:	1878
Date/Time of Photo:	August 14, 2025
Photo By:	Jose Ruiz
Photo Location:	Paplhham Site

Photo Description:

View of the Feed Spilt Outside the Mangers Cleaned Up on the West Side of the Paplhham Site.



Photo #:	2393
Date/Time of Photo:	August 14, 2025
Photo By:	Jose Ruiz
Photo Location:	Paplhham Site

Photo Description:

View of the Feed Spilt Outside the Mangers Cleaned Up on the East Side of the Paplhham Site.



Photo #:	7277
Date/Time of Photo:	August 14, 2025
Photo By:	Jose Ruiz
Photo Location:	Main Site



Photo Description:
View of the Accumulated Water on the West Corner of a Feed Storage Bunker Cleaned Up Located on the West Side of the Main Site.

Photo #:	4411
Date/Time of Photo:	August 15, 2025
Photo By:	Jose Ruiz
Photo Location:	Main Site



Photo Description:
View of Erosion Measures Put in Place for the New Storm Water Culvert Pipe Located South of the Digester.

Photo #:	4455
Date/Time of Photo:	August 22, 2025
Photo By:	Jose Ruiz
Photo Location:	Paplham Site



Photo Description:
View of the Repaired Fence Around WSF Paplham Located on the Northwest Side of the Paplham Site.

Photo #:	7809
Date/Time of Photo:	August 22, 2025
Photo By:	Jose Ruiz
Photo Location:	Paplham Site



Photo Description:
View of After the Vegetation Around WSF Paplham was Sprayed.

Appendix A

Photo #:	1744
Date/Time of Photo:	August 14, 2025 9:01 am
Photo By:	Mueller
Photo Location:	Office

Photo Description:
View of the CAFO Calendar.

Inspection Summary

Indicate names associated with inspection and depth reading initials
Ana Rivera Jose ruz

Describe any issue(s) discovered during an inspection
7/21/25
Flume-Flush Tank ran over. The float switch failed, and the overflow pipe was plugged. Manure (effluent) ran into the surface water system and entered the Hwy 42 road ditch.

Recommendations for repair or maintenance
The defective float switch was replaced. A second high-level float was added. The overflow pipe was jetted.
As part of the new barn project, the flush tower will be replaced with the new DNR approved flush

Corrective actions taken (immediately contact the DNR if unable to take corrective action within 30 days of identifying malfunctions, failures or other problems)
The DNR was called. The ditch was blocked with a dirt berm. A jetter truck was called in while W Dairy proceeded with vacuuming the mix of water and manure out of the ditch. Once cleaned, it was reseeded, and the dirt berm removed.

Remember, contact your Regional DNR CAFO contact if you:

- Plan to accept waste from off-site sources (e.g., for use in digester)
- Plan to construct reviewable structures (e.g., manure storage or transfer system, feed storage) and again prior to starting construction
- Plan to headland stack solid manure or temporarily store feed

Local DNR Contact
Phone number 608-228-9184
County LCD
Phone number

**Spills hotline:
1-800-943-0003**

LIQUID STORAGE DEPTH READINGS
(Check each week on any day)

Indicate Sample Point #	Indicate Sample Point #
PI# #3	PI# #4
WEEK OF READING INITIALS	WEEK OF READING INITIALS
July 7 0 AR	July 7 4 AR
July 14 0 AR	July 14 4 1/4 AR
July 21 0 JR	July 21 3 JR
July 28 0 AR	July 28 2 AR

Wisconsin DNR 14 Aug 2025, 09:01:39 CDT

Photo #:	1745
Date/Time of Photo:	August 14, 2025 9:02 am
Photo By:	Mueller
Photo Location:	Office

Photo Description:
View of the Emergency Response Plan.

Emergency Response Plan

In Case of Injury, Fire, or Rescue Emergency, Immediately Implement the Following:

- Assess the condition of the victim, extent of the emergency (fire, rescue), and call for help.
- Stabilize the victim, use on-site rescue equipment, evacuate buildings, or begin first aid.
- Brief emergency responders upon arrival on current status of situation.

In Case of a Spill, Leak, or Failure at the Storage Facility, During Transport, or Land Application, Immediately Implement the Following:

- Stop the source of the leak or spill.
 - Turn off all pumps/valves and clamp hoses or park tractor on hoses to stop the flow of manure.
- Assess the situation and make appropriate calls for people, equipment, and materials. (See contacts below)
 - Notify DNR spill hotline: 1-800-943-0003 (Spill reporting is mandatory by state law)
 - Call sheriff's office if spilled on public roads or its right-of-ways for traffic control.
- Contain the spill and prevent spillage from entering surface waters, tile intakes, or waterways.
 - Use a skid loader or tractor with a blade to build dikes to contain or divert the spill or leak.
 - Insert sleeves around tile intakes (or plug/tie intakes) and block down slope culverts.
 - Use spillage implements to work up the ground ahead of the spill or use absorbent materials like sand, etc.
- Begin cleanup.
 - Use pumps to recover liquids.
 - Land apply on approved cropland at appropriate rates based on maps.
- Document your actions.

Emergency Contacts

Contact Person or Company	Phone Number
Kewaunee Fire Department	911
Kewaunee County Sheriff	911 or 920-368-3100 (non-emergency)
Farm Emergency Coordinator	920-860-5506
Farm Emergency Coordinator	920-304-0923
DNR Hazardous Spill Line	1-800-943-0003
DNR Permit Contact	920-367-3007
Veterinarian	920-837-7799

Equipment/Supplies

Contact Person or Company	Phone Number
On-Farm Equipment Operator	920-304-0923 / 920-510-2078
Excavation Contractor	Dan Koehler 920-491-5783
Manure Hauler-Pumping Truck	920-655-4517
Wakker Dairy Vacuum Truck	920-304-0923
Septic Tank Pumping Truck	Practack Sanitation 920-358-4888
Septic Tank Pumping Truck	Arrow Sanitation 920-656-3116
Septic Tank Pumping Truck	Timmar Sanitation 920-863-3750
Septic Tank Pumping Truck	Helm Brothers 920-536-0118
Mortality Disposal Contractor	Sandy Bay Milk Ranch 1-800-999-2834

Local Government Contacts

Contact Person	Phone Number
Carlton Town Chairman	Dave Harcke 920-388-2994 Call 920-463-0832
Kewaunee County Conservationist	Travis Engels 920-845-6742
NRCS District Conservationist	Barry Bubolz 920-845-1360 Call 920-360-0627

Be prepared to provide the following information:

- Your name and contact information
- Farm address, location and other pertinent identification information
- Nature of emergency (employee injury, fire, discharge of manure or hazardous materials)
- Emergency equipment and personnel that are needed.
- Potential for manure or hazardous materials to reach surface waters or major field drains.
- Current status of containment efforts.

Wisconsin DNR 14 Aug 2025, 09:02:10 CDT

Photo #:	1751
Date/Time of Photo:	August 14, 2025 9:26 am
Photo By:	Mueller
Photo Location:	Main Site

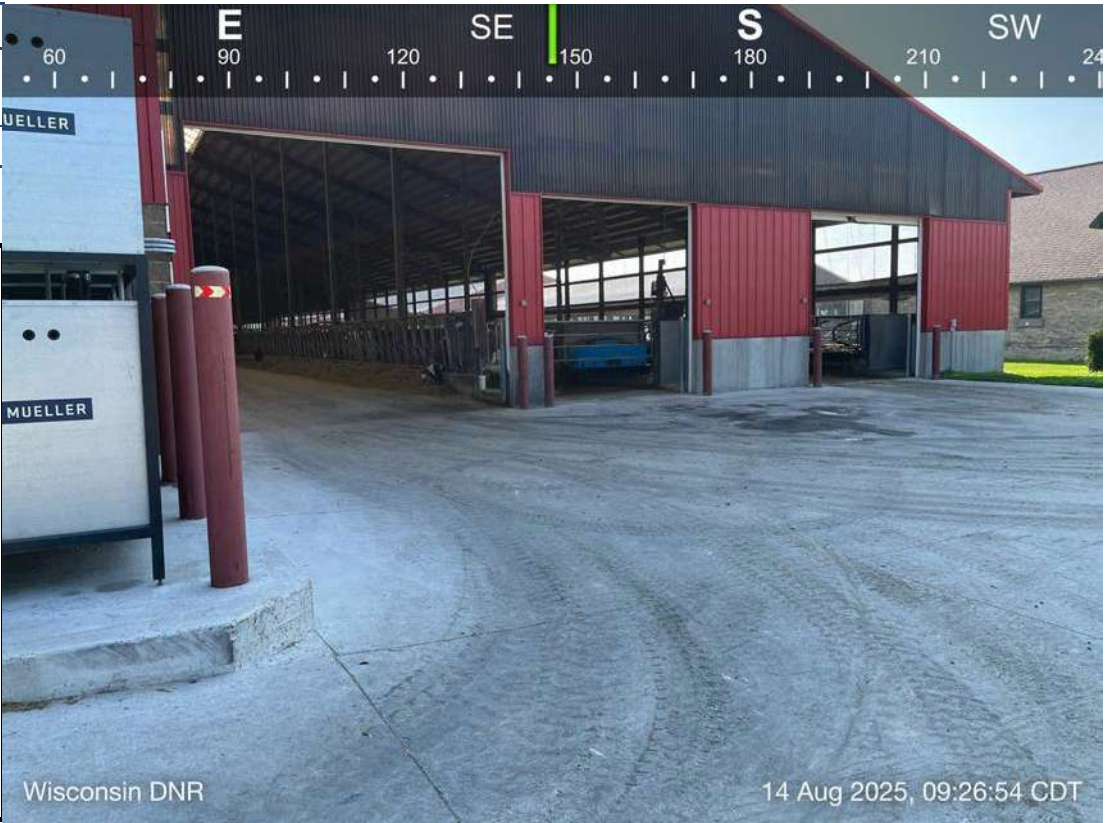


Photo #:	1752
Date/Time of Photo:	August 14, 2025 9:27 am
Photo By:	Mueller
Photo Location:	Main Site



Photo #:	1753
Date/Time of Photo:	August 14, 2025 9:28 am
Photo By:	Mueller
Photo Location:	Main Site

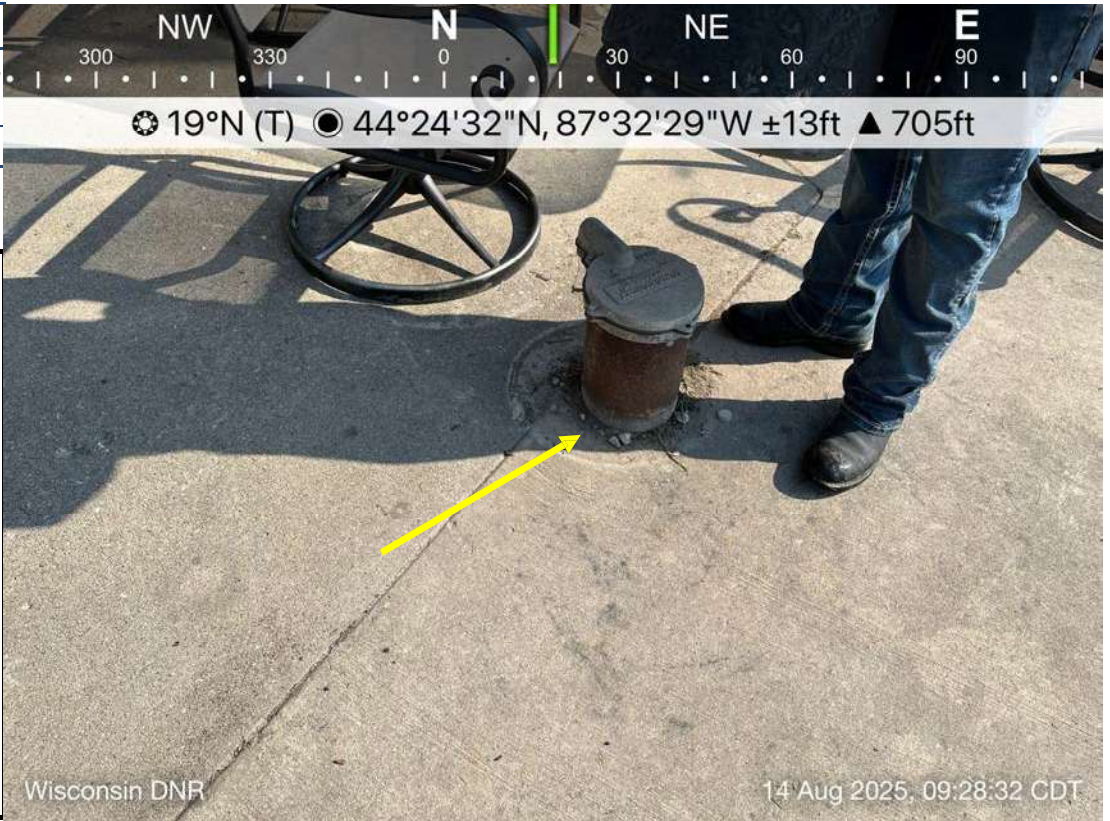


Photo Description:

View of a Well Located on the Southeast Side of the Residence on West Side of the Production Site. The Yellow Arrow Represents the Well. This Photo was Taken Facing North.

Wisconsin DNR

14 Aug 2025, 09:28:32 CDT

Photo #:	1759
Date/Time of Photo:	August 14, 2025 9:30 am
Photo By:	Mueller
Photo Location:	Main Site



Photo Description:

View of the Furthest South Freestall Barn Located on the West Side of the Production Site. Minimal Bedding Leaving Barns Observed. This Photo was Taken Facing North.

Wisconsin DNR

14 Aug 2025, 09:30:09 CDT

Photo #:	1766
Date/Time of Photo:	August 14, 2025 9:32 am
Photo By:	Mueller
Photo Location:	Main Site Feed Storage



Photo Description:

View of the North Side of the Feed Storage Area and Fuel Storage Located Southeast of the Freestall Barns on the Southwest Side of the Production Site. This Photo was Taken Facing East.

Photo #:	1767
Date/Time of Photo:	August 14, 2025 9:32 am
Photo By:	Mueller
Photo Location:	Main Site Feed Storage

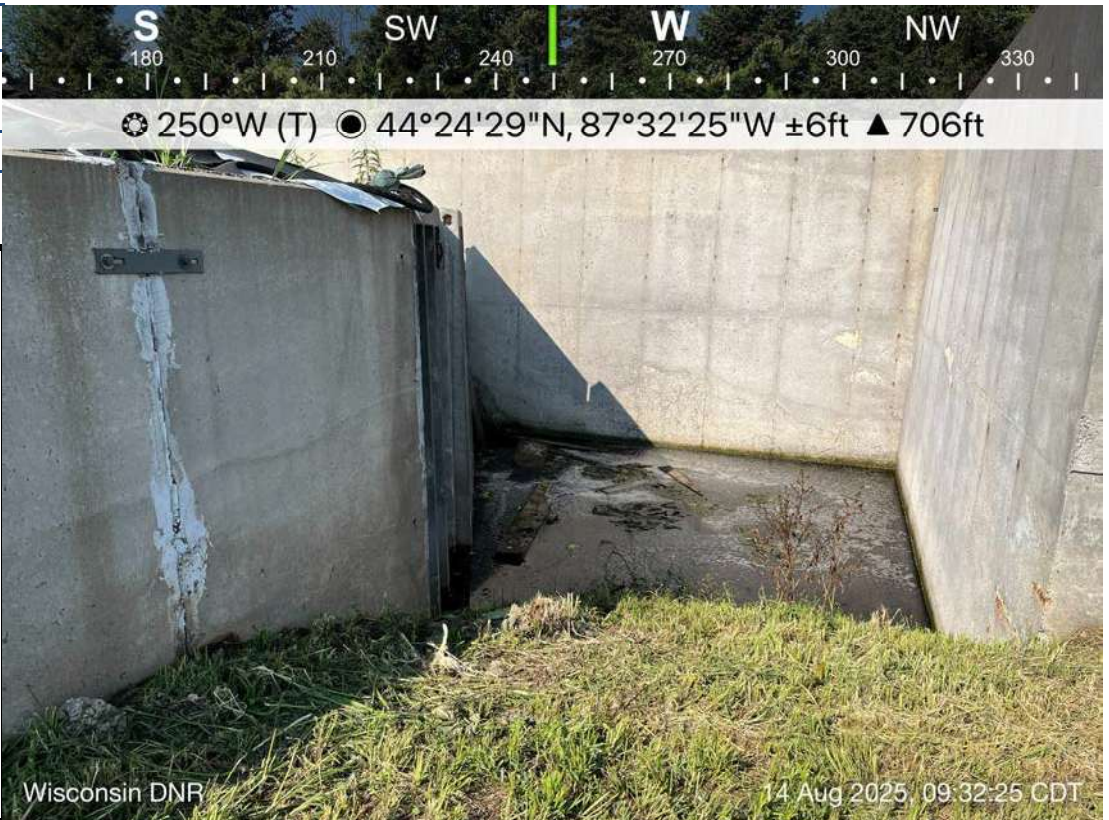


Photo Description:

View of an Accumulation of Water in the West Corner of a Feed Storage Bunker Located on the Southwest Side of the Production Site. This Photo was Taken Facing West.

Photo #:	1769
Date/Time of Photo:	August 14, 2025 9:33 am
Photo By:	Mueller
Photo Location:	Main Site Feed Storage



Photo Description:
View of West Side of the Feed Storage Area Located Northwest of the VTA on the Southwest Side of the Production Site. This Photo was Taken Facing South.

Photo #:	1772
Date/Time of Photo:	August 14, 2025 9:34 am
Photo By:	Mueller
Photo Location:	Main Site Feed Storage

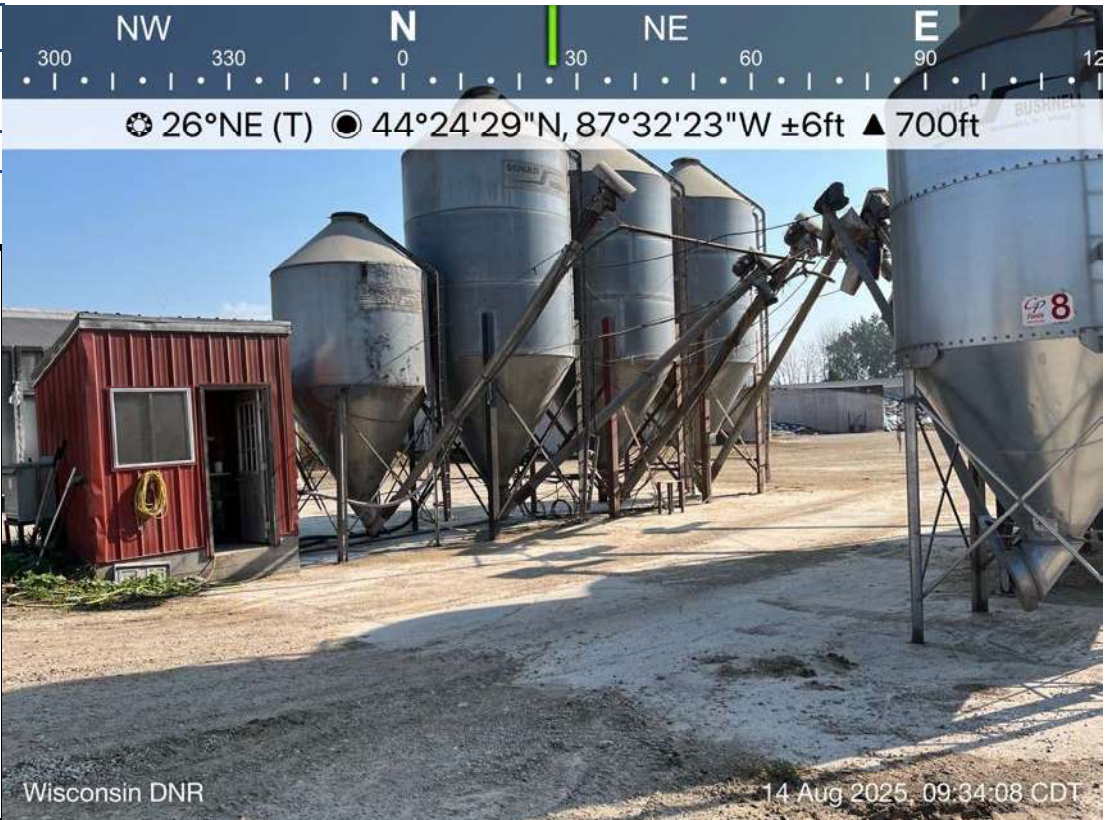


Photo Description:
View of the Gain Bins Located in the Middle of the Feed Storage Area on the West Side of the Production Site. This Photo was Taken Facing Northeast.

Photo #:	1777
Date/Time of Photo:	August 14, 2025 9:34 am
Photo By:	Mueller
Photo Location:	Main Site Feed Storage



Photo Description:

View of South Side of the Feed Storage Area Located North of the VTA on the Southwest Side of the Production Site. This Photo was Taken Facing Southwest.

Photo #:	1776
Date/Time of Photo:	August 14, 2025 9:34 am
Photo By:	Mueller
Photo Location:	Main Site Feed Storage



Photo Description:

View of Commodity Shed Located Southeast of the Feed Storage Area on the South Side of the Production Site. This Photo was Taken Facing Southeast.

Photo #:	1786
Date/Time of Photo:	August 14, 2025 9:36 am
Photo By:	Mueller
Photo Location:	Main Site Feed Storage

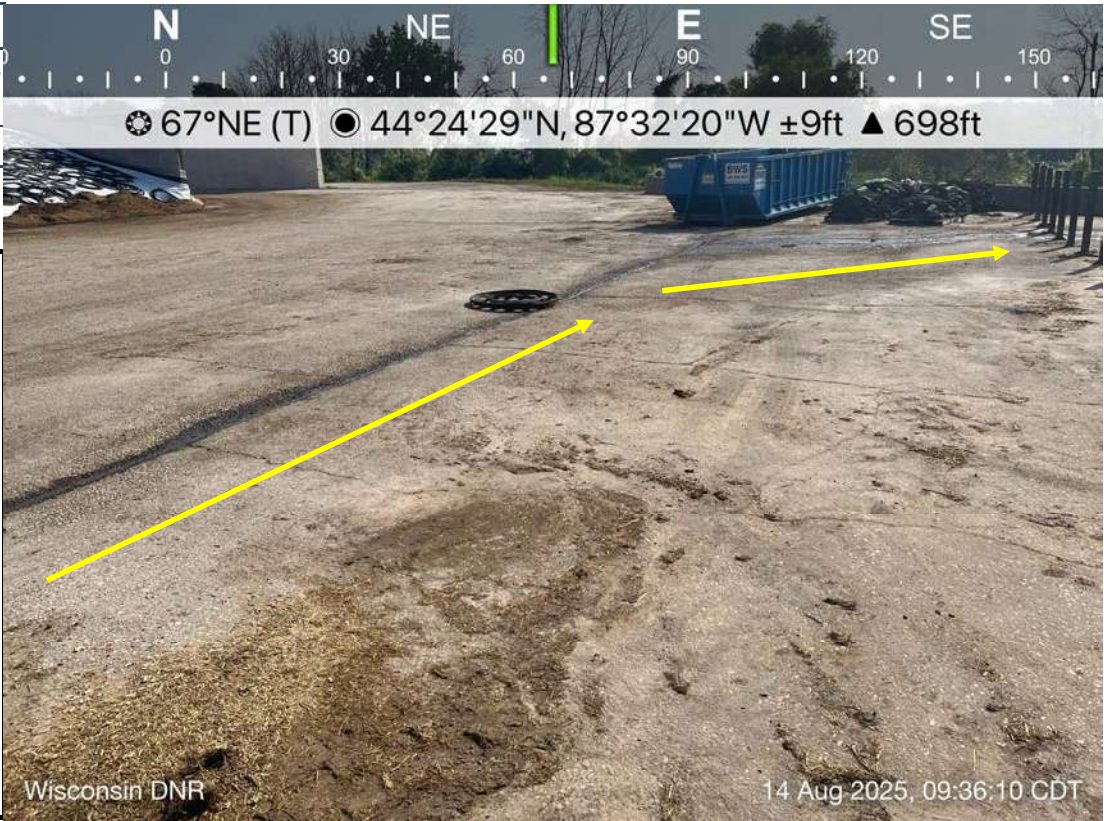


Photo Description:

View of the Flow Path of Leachate Going West to East from the Feed Storage Area. The Yellow Arrows Represent the Flow Path of Leachate. This Photo was Taken Facing Northeast.

Photo #:	1790
Date/Time of Photo:	August 14, 2025 9:36 am
Photo By:	Mueller
Photo Location:	Main Site Feed Storage

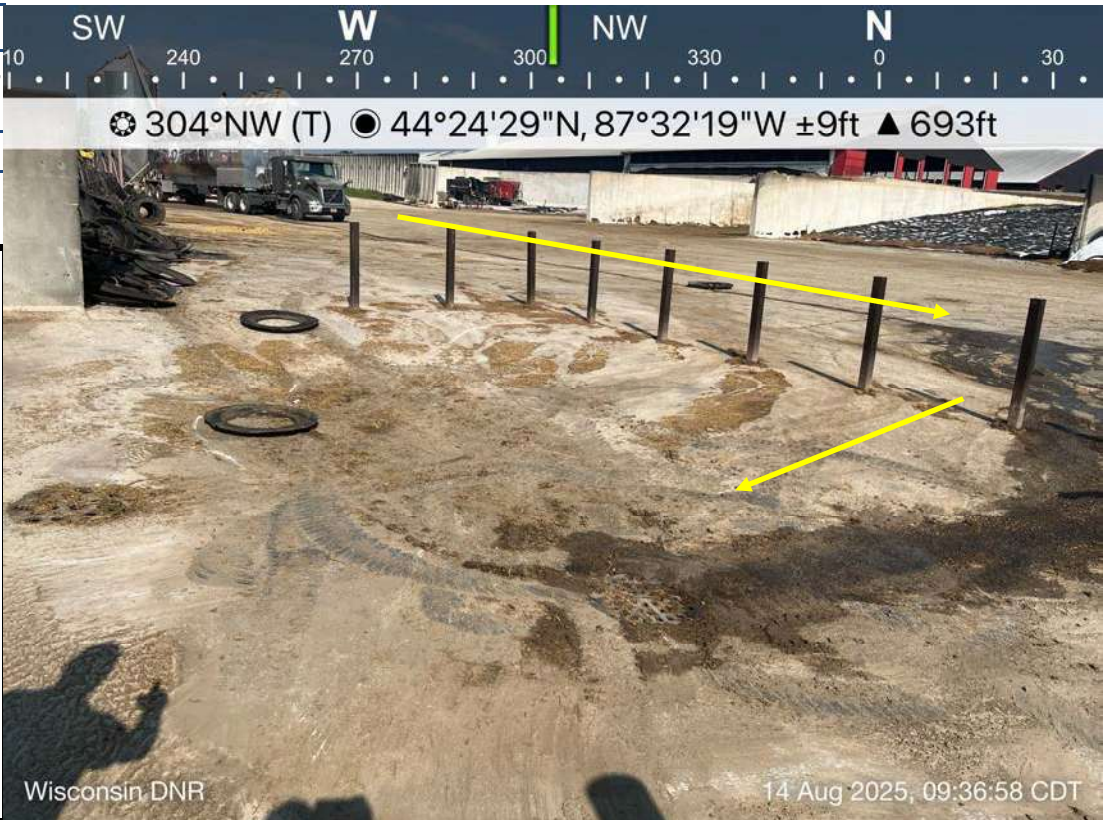


Photo Description:

View of the Flow Path of Leachate from the Feed Storage Area Flowing into an Inlet. The Yellow Arrows Represent the Flow Path of Leachate. This Photo was Taken Facing Northwest.

Photo #:	1797
Date/Time of Photo:	August 14, 2025 9:38 am
Photo By:	Mueller
Photo Location:	Main Site VTA



Photo Description:

View of the Vegetated Treatment Area (VTA) Spreader Bar Located on the South Side of the Production Site. Concentrated Flow, Solids Within the Spreader Bar, and Ponding within the VTA Observed. The Yellow Arrows Represent the Flow Path of Leachate. This Photo was Taken Facing South.

Photo #:	1799
Date/Time of Photo:	August 14, 2025 9:38 am
Photo By:	Mueller
Photo Location:	Main Site VTA

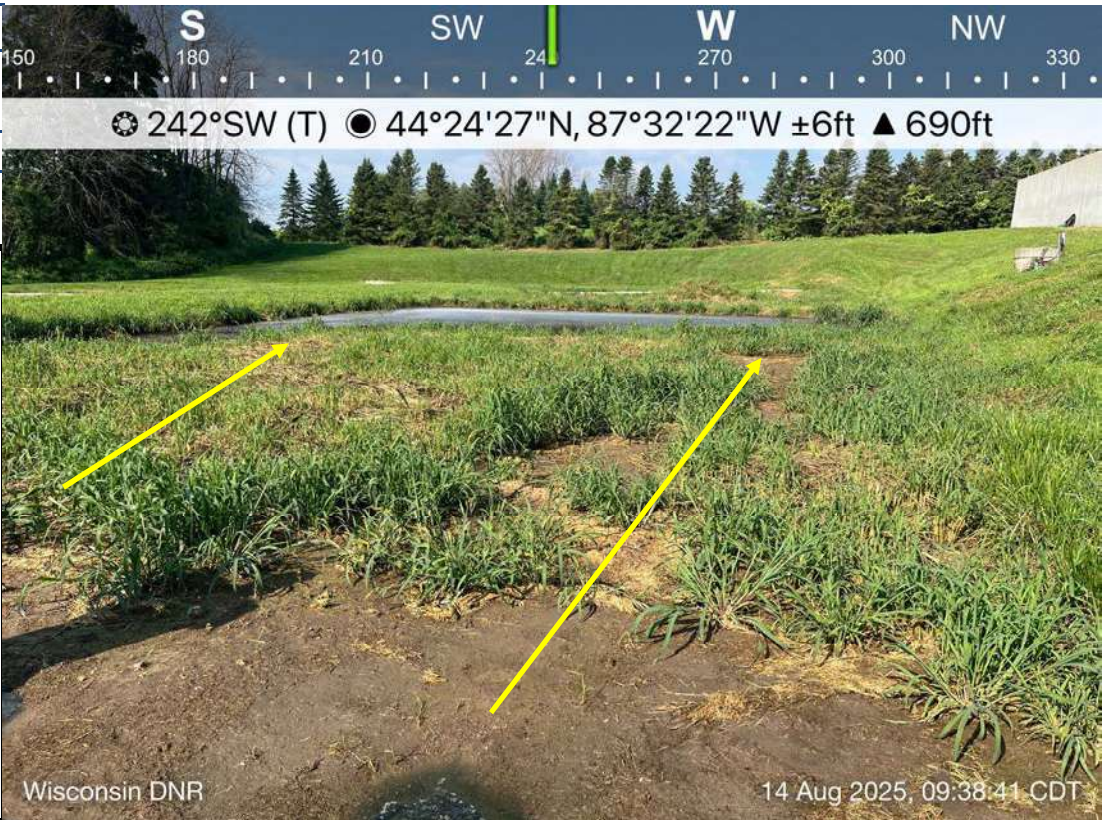


Photo Description:

View of the West Side of the VTA Located on the South Side of the Production Site. Concentrated Flow, Solids Within the Spreader Bar, and Ponding within the VTA Observed. The Yellow Arrows Represent the Flow Path of Leachate. This Photo was Taken Facing Southwest.

Photo #:	1808
Date/Time of Photo:	August 14, 2025 9:39 am
Photo By:	Mueller
Photo Location:	Main Site VTA



Photo Description:

View of the East Side of the VTA Located on the South Side of the Production Site. Concentrated Flow, Solids Within the Spreader Bar, and Ponding within the VTA Observed. This Photo was Taken Facing Southeast.

Photo #:	1812
Date/Time of Photo:	August 14, 2025 9:40 am
Photo By:	Mueller
Photo Location:	Main Site VTA



Photo Description:

View of the Southeast Side of the VTA Located on the South Side of the Production Site. Concentrated Flow, Solids Within the Spreader Bar, and Ponding within the VTA Observed. The Yellow Arrows Represent the Flow Path of Leachate. This Photo was Taken Facing Southeast.

Photo #:	1818
Date/Time of Photo:	August 14, 2025 9:41 am
Photo By:	Mueller
Photo Location:	Main Site



Photo Description:

View of the Stream Down Flow (East) of the VTA. No Impairment Within the Stream was Observed. A Tile Outlet with an Unknown Location of the Inlet was Observed. This Photo was Taken Facing Southeast.

Photo #:	1823
Date/Time of Photo:	August 14, 2025 9:43 am
Photo By:	Mueller
Photo Location:	Main Site VTA

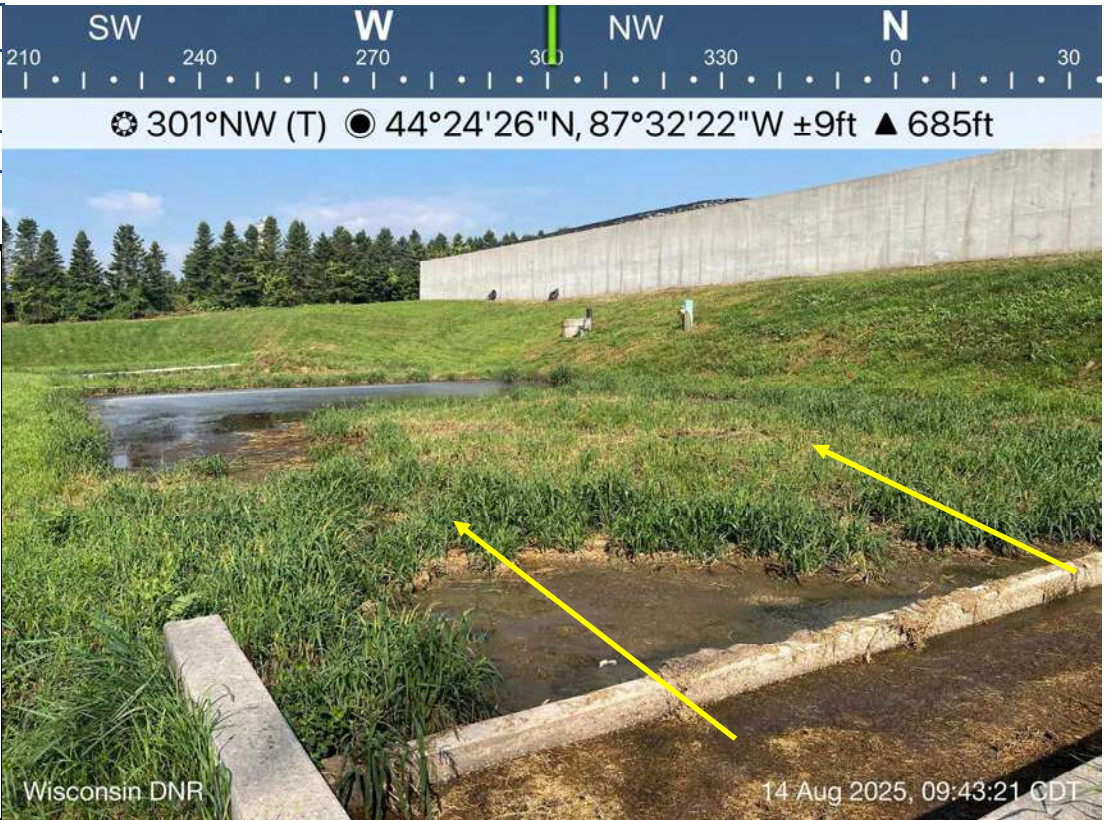


Photo Description:

View of the North Side of the VTA Located on the South Side of the Production Site. Concentrated Flow, Solids Within the Spreader Bar, and Ponding within the VTA Observed. The Yellow Arrows Represent the Flow Path of Leachate. This Photo was Taken Facing South.

Photo #:	1834
Date/Time of Photo:	August 14, 2025 9:45 am
Photo By:	Mueller
Photo Location:	Main Site

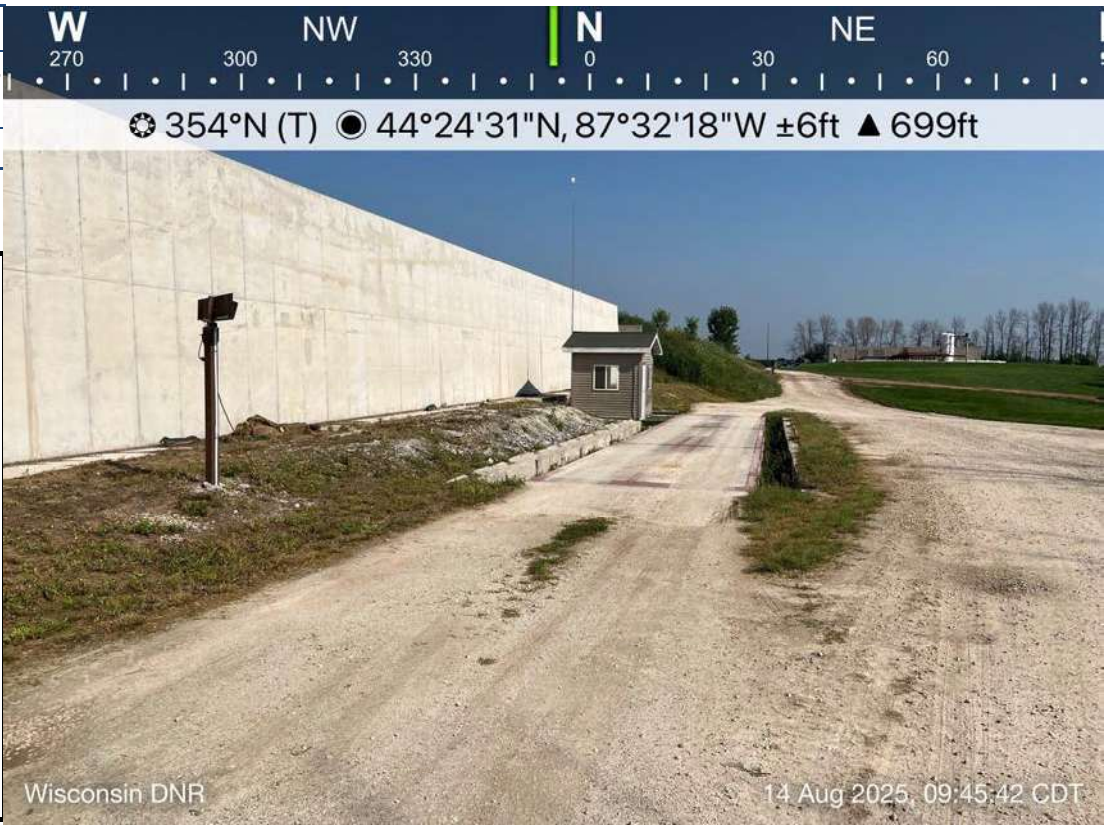


Photo Description:
View of the Scale Located East of the Feed Storage Area in the Middle of the Production Site. This Photo was Taken Facing North.

Photo #:	1842
Date/Time of Photo:	August 14, 2025 9:49 am
Photo By:	Mueller
Photo Location:	Main Site WSF 4



Photo Description:
View of the West Side of WSF 4 Located West of WSF 3 and on the East Side of the Production Site. The Yellow Arrow Represents the MOS & MOL Markers. This Photo was Taken Facing North.

Photo #:	1853
Date/Time of Photo:	August 14, 2025 9:51 am
Photo By:	Mueller
Photo Location:	Main Site WSF 4

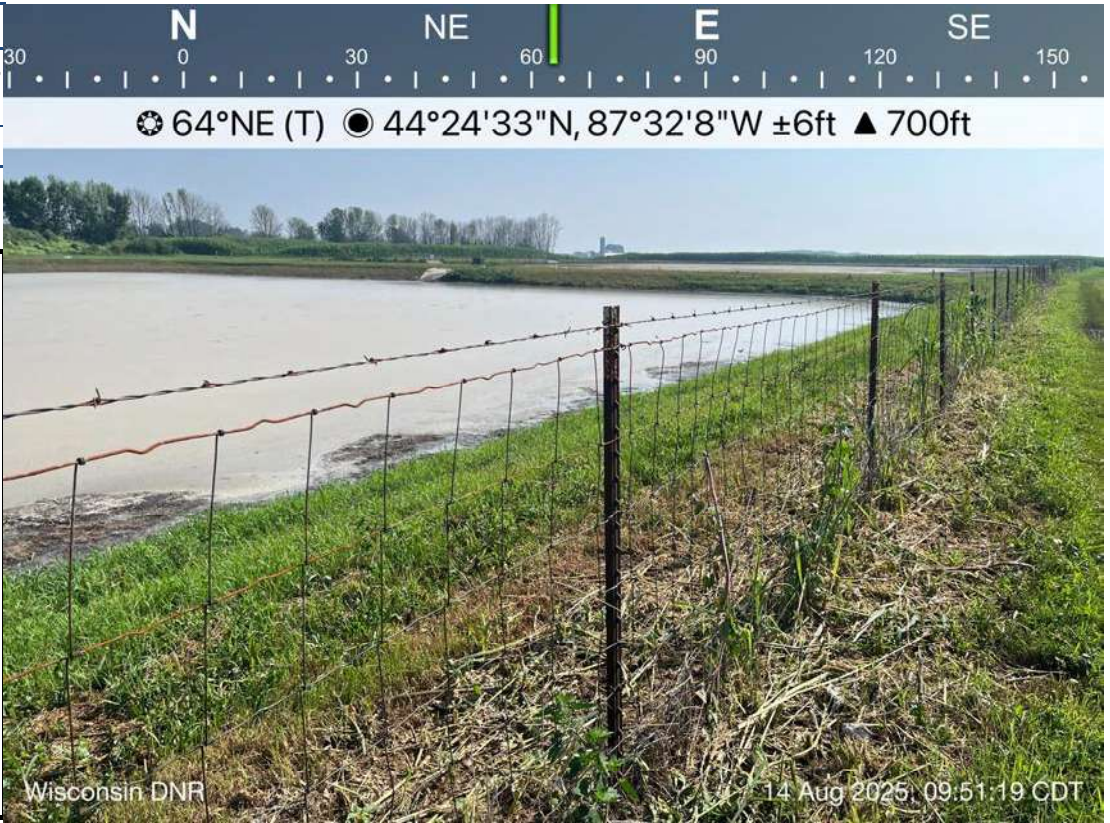


Photo Description:
View of the South Side of WSF 4 Located West of WSF 3 and on the East Side of the Production Site. This Photo was Taken Facing Northeast.

Photo #:	1857
Date/Time of Photo:	August 14, 2025 9:52 am
Photo By:	Mueller
Photo Location:	Main Site WSF 3 & 4

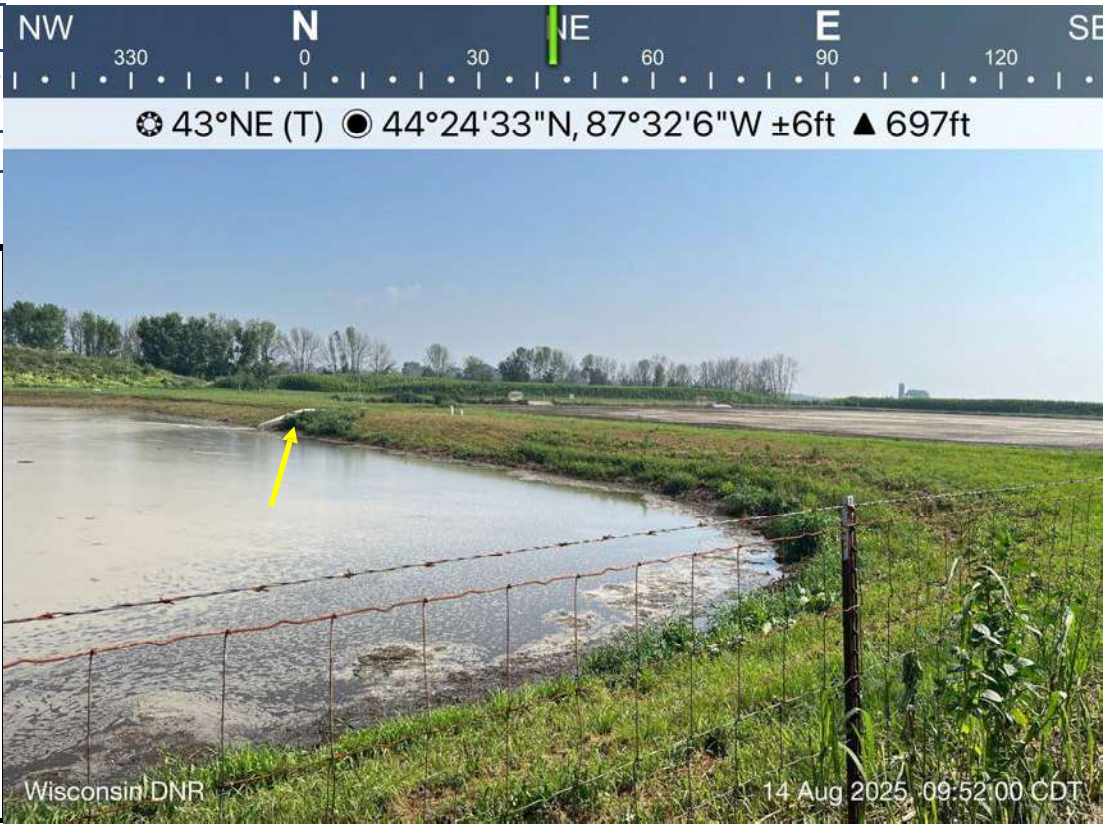


Photo Description:
View of the Berm Between WSF 3 and WSF 4 Located on the East Side of the Production Site. The Concrete Channel in the Berm, Transfers Waste from WSF 3 to WSF 4. The Yellow Arrow Represents the Transfer Channel. This Photo was Taken Facing Northeast.

Photo #:	1860
Date/Time of Photo:	August 14, 2025 9:52 am
Photo By:	Mueller
Photo Location:	Main Site WSF 3

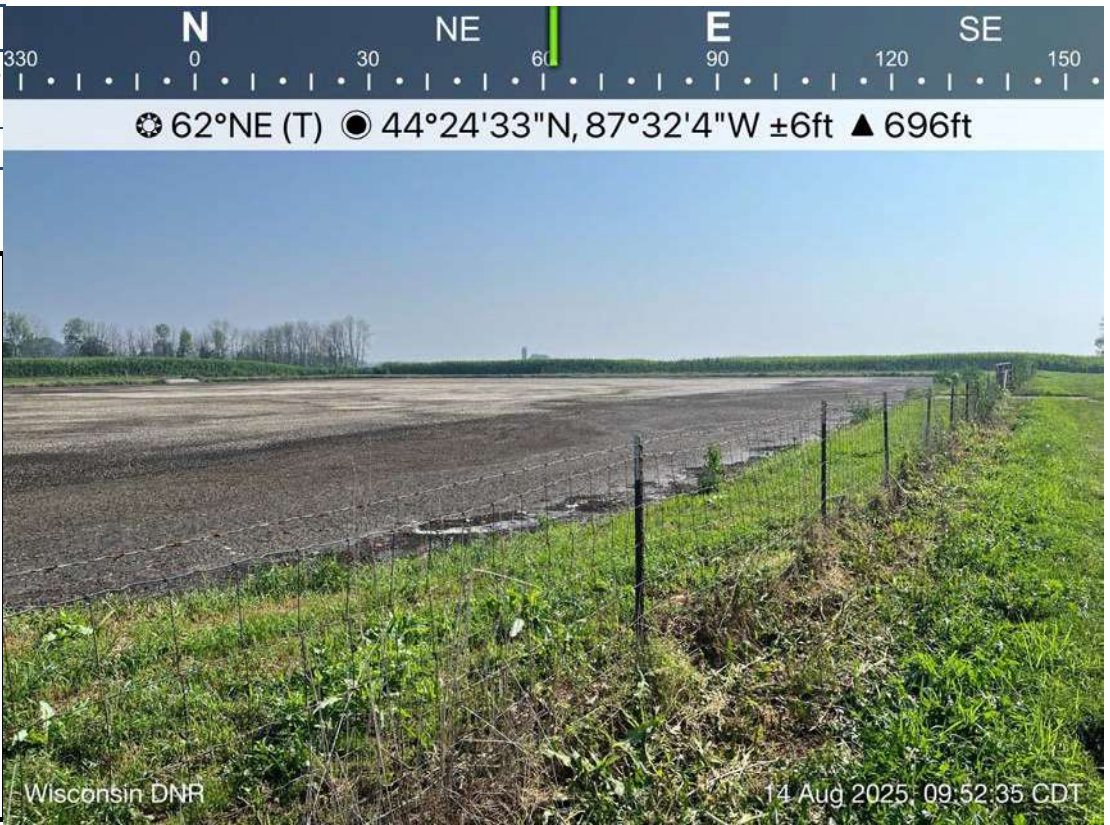


Photo Description:
View of South Side of WSF 3 Located East of WSF 4 on the East Side of the Production Site. This Photo was Taken Facing Northeast.

Photo #:	1880
Date/Time of Photo:	August 14, 2025 9:56 am
Photo By:	Mueller
Photo Location:	Main Site WSF 3

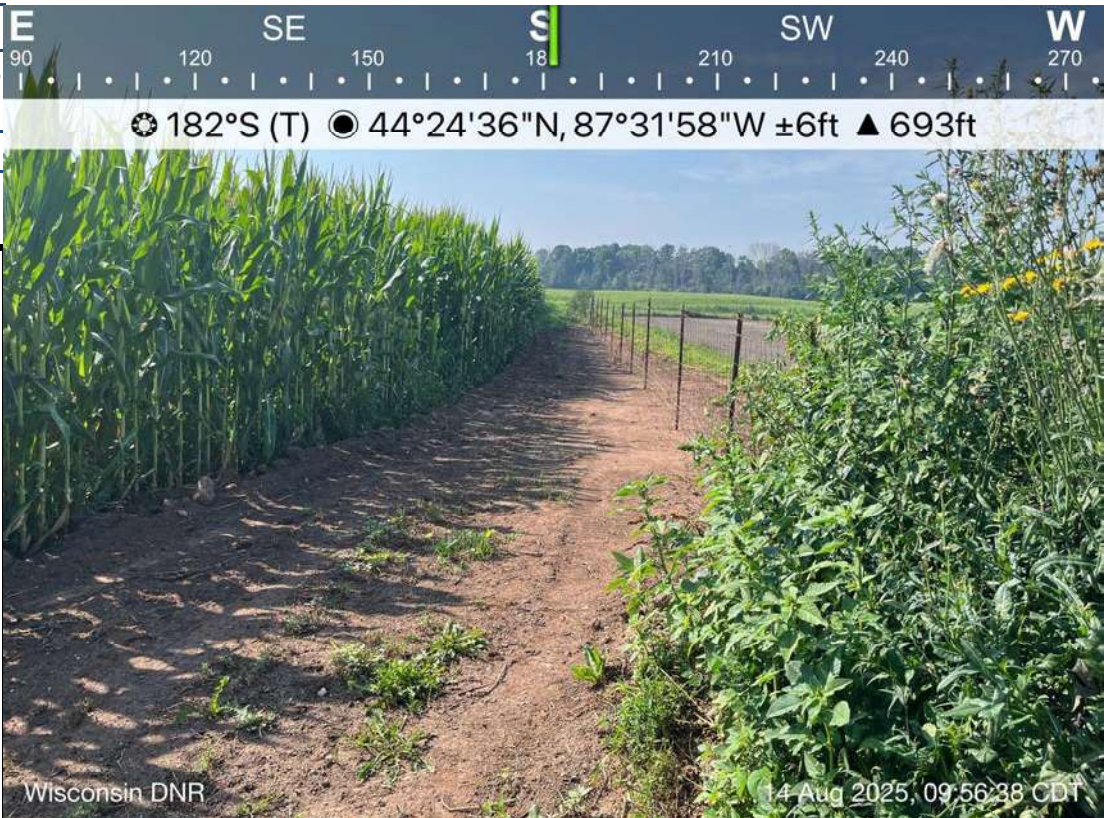


Photo Description:
View of the East Side of WSF 3 Located East of WSF 4 on the East Side of the Production Site. This Photo was Taken Facing South.

Photo #:	1882
Date/Time of Photo:	August 14, 2025 9:56 am
Photo By:	Mueller
Photo Location:	Main Site WSF 3



Photo Description:

View of the North Side of WSF 3 Located East of WSF 4 on the East Side of the Production Site. This Photo was Taken Facing South.

Photo #:	1888
Date/Time of Photo:	August 14, 2025 9:57 am
Photo By:	Mueller
Photo Location:	Main Site WSF 3



Photo Description:

View of the Northwest Side of WSF 3 Located East of WSF 4 on the East Side of the Production Site. This Photo was Taken Facing Southwest.

Photo #:	1911
Date/Time of Photo:	August 14, 2025 10:06 am
Photo By:	Mueller
Photo Location:	Main Site



Photo Description:

View of a New Storm Water Culvert Pipe Located East of the Freestall Barns, South of the Digester. No Erosion Mitigation Manures Were Observed. This Photo was Taken Facing Northeast.

Photo #:	1920
Date/Time of Photo:	August 14, 2025 10:07 am
Photo By:	Mueller
Photo Location:	Main Site



Photo Description:

View of Construction for the New Barn Located North of the Feed Storage Area. This Photo was Taken Facing Southwest.

Photo #:	1931
Date/Time of Photo:	August 14, 2025 10:10 am
Photo By:	Mueller
Photo Location:	Main Site



Photo Description:

View of Solid Stacking Area Next to the Digester Located on the Northeast Side of the Production Site. This Photo was Taken Facing West.

Photo #:	1938
Date/Time of Photo:	August 14, 2025 10:11 am
Photo By:	Mueller
Photo Location:	Main Site



Photo Description:

View of the Reception Basin for the Digester Located on the Northeast Side of the Production Site. This Photo was Taken Facing Southwest.

Photo #:	1944
Date/Time of Photo:	August 14, 2025 10:14 am
Photo By:	Mueller
Photo Location:	Main Site



Photo #:	1945
Date/Time of Photo:	August 14, 2025 10:14 am
Photo By:	Mueller
Photo Location:	Main Site

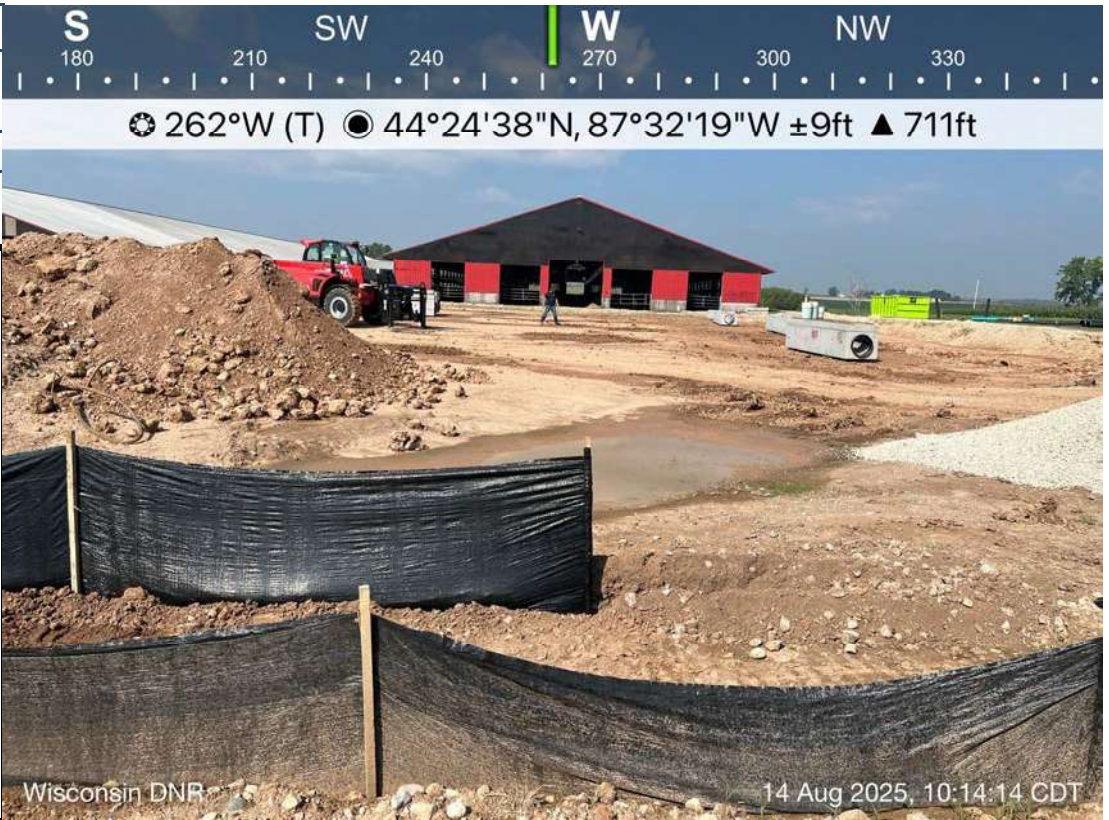


Photo #:	1950
Date/Time of Photo:	August 14, 2025 10:16 am
Photo By:	Mueller
Photo Location:	Main Site



Photo Description:

View of a Storm Water Inlet Located on the East Side of the Freestall Barns. This Photo was Taken Facing North.

Photo #:	1951
Date/Time of Photo:	August 14, 2025 10:16 am
Photo By:	Mueller
Photo Location:	Main Site



Photo Description:

View of a Storm Water Inlet Located on the East Side of the Freestall Barns. This Photo was Taken Facing North.

Photo #:	1963
Date/Time of Photo:	August 14, 2025 10:21 am
Photo By:	Mueller
Photo Location:	Main Site

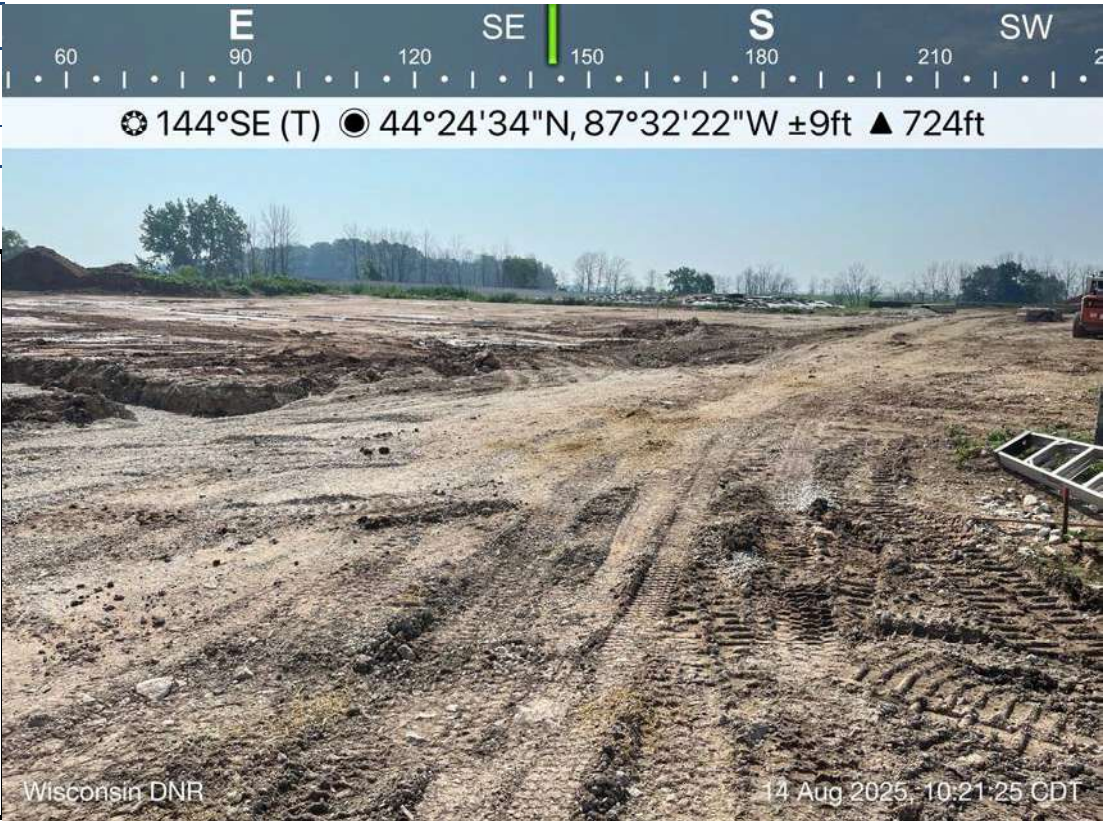


Photo Description:

View of Construction of the New Freestall Barn Located North of the Feed Storage Area. This Photo was Taken Facing Southeast.

Photo #:	1970
Date/Time of Photo:	August 14, 2025 10:22 am
Photo By:	Mueller
Photo Location:	Main Site

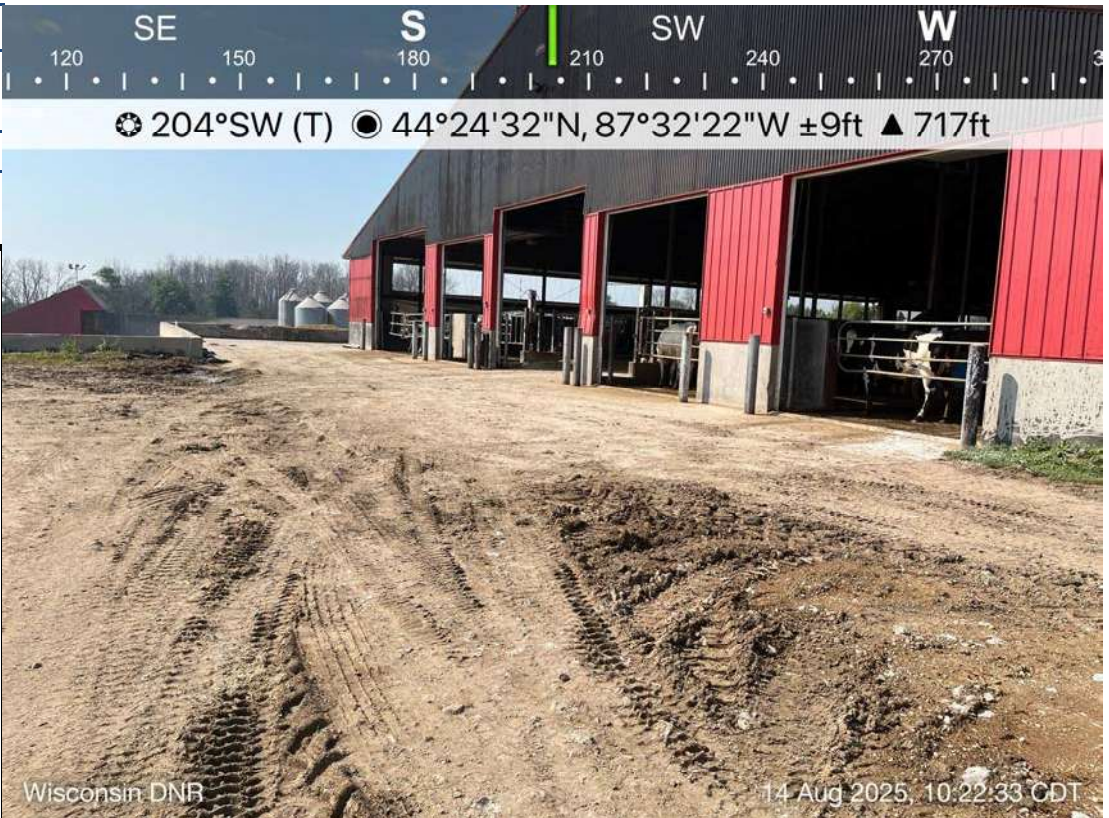


Photo Description:

View of the East Side of the South Freestall Barn Located on the West Side of the Production Site. This Photo was Taken Facing Southwest.

Photo #:	1974
Date/Time of Photo:	August 14, 2025 10:22 am
Photo By:	Mueller
Photo Location:	Main Site Feed Storage



Photo Description:

View of North Side of the Feed Storage Area Located on the South Side of the Production Site. This Photo was Taken Facing South.

Photo #:	1978
Date/Time of Photo:	August 14, 2025 10:31 am
Photo By:	Mueller
Photo Location:	Main Site



Photo Description:

View of the North Side of the North Freestall Barn Located on the Northwest Side of the Production Site. Minimal Bedding Leaving Barns Observed. This Photo was Taken Facing Southwest.

Photo #:	1980
Date/Time of Photo:	August 14, 2025 10:32 am
Photo By:	Mueller
Photo Location:	Main Site

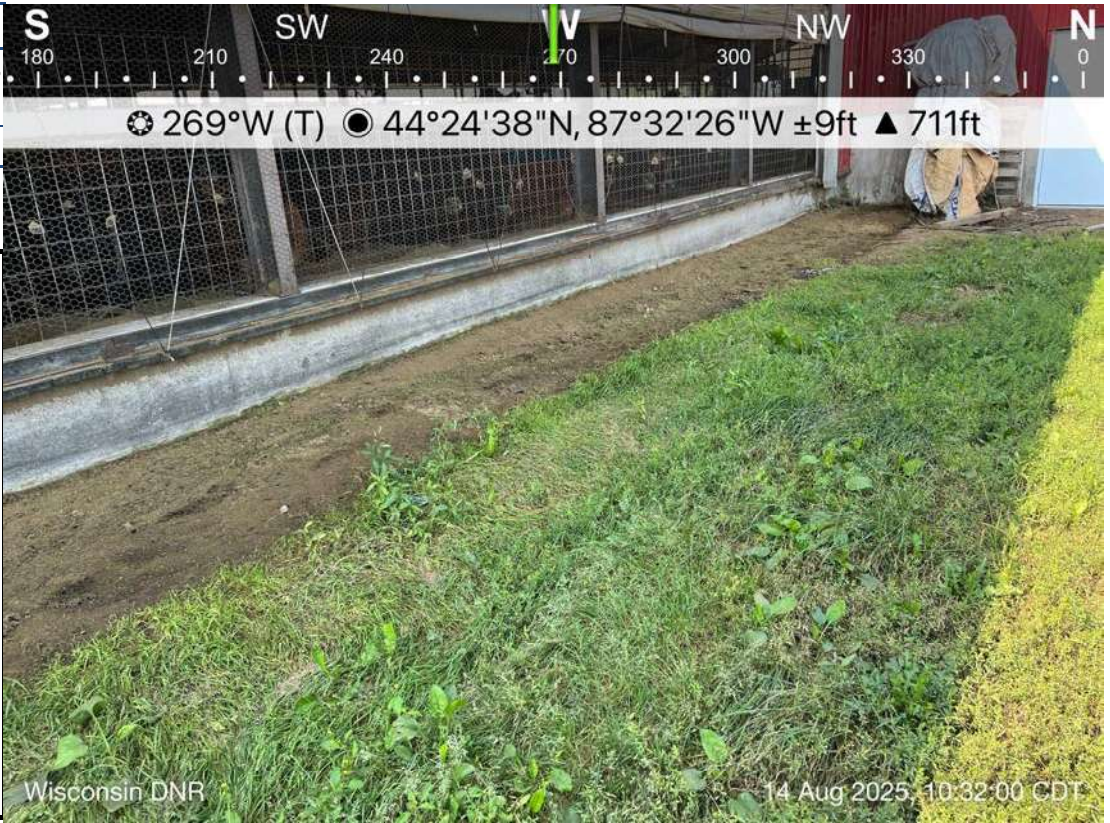


Photo Description:

View of the North Side of the North Freestall Barn Located on the Northwest Side of the Production Site. Minimal Bedding Leaving Barns Observed. This Photo was Taken Facing West.

Photo #:	1982
Date/Time of Photo:	August 14, 2025 10:33 am
Photo By:	Mueller
Photo Location:	Main Site



Photo Description:

View of the North Side of the North Freestall Barn Located on the Northeast Side of the Production Site. Minimal Bedding Leaving Barns Observed. This Photo was Taken Facing Southwest.

Photo #:	1984
Date/Time of Photo:	August 14, 2025 10:32 am
Photo By:	Mueller
Photo Location:	Main Site



Photo Description:

View of the Manure Transfer System Located in the North Freestall Barn on the Northwest Side of the Production Site. This Photo was Taken Facing Southeast.

Photo #:	1986
Date/Time of Photo:	August 14, 2025 10:32 am
Photo By:	Mueller
Photo Location:	Main Site

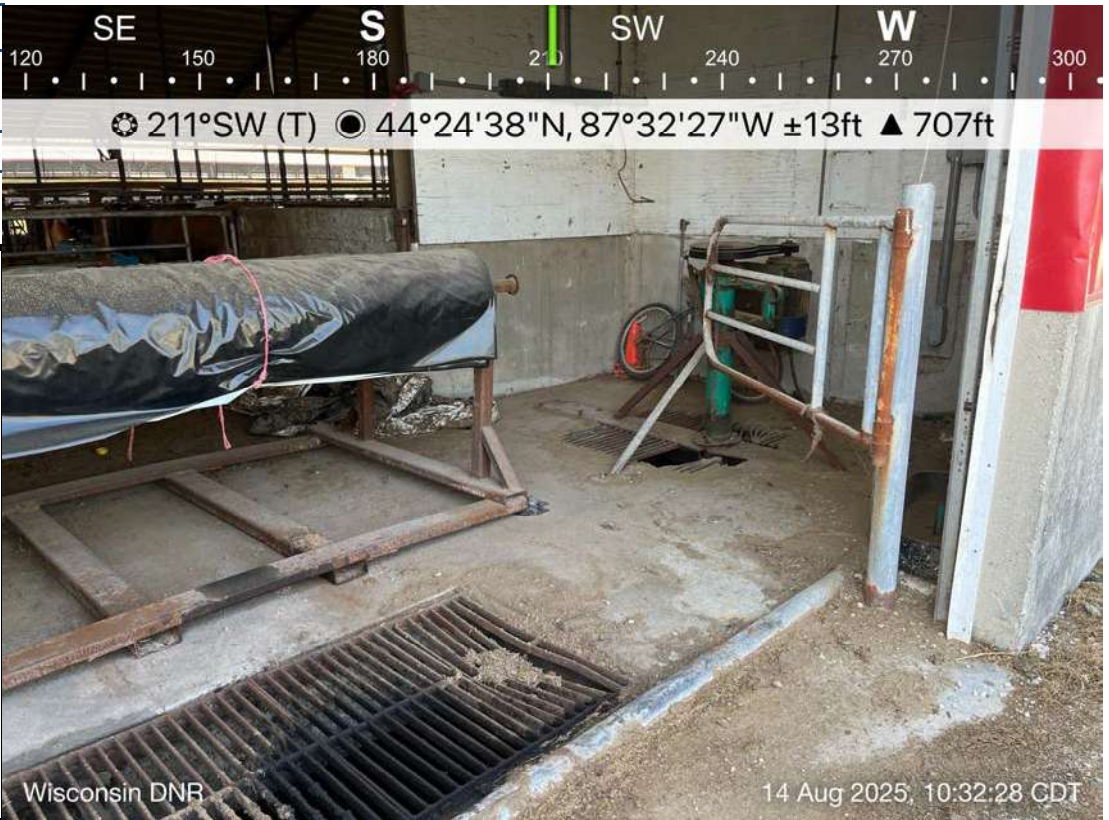


Photo Description:

View of the Manure Transfer System Located in the North Freestall Barn on the Northwest Side of the Production Site. This Photo was Taken Facing Southwest.

Photo #:	1997
Date/Time of Photo:	August 14, 2025 10:35 am
Photo By:	Mueller
Photo Location:	Main Site



Photo Description:

View of Restoration from a Spill a Few Weeks Prior Located on the West Side of the Production Site. This Photo was Taken Facing South.

Wisconsin DNR

14 Aug 2025 10:35:25 CDT

Photo #:	2005
Date/Time of Photo:	August 14, 2025 10:36 am
Photo By:	Mueller
Photo Location:	Main Site

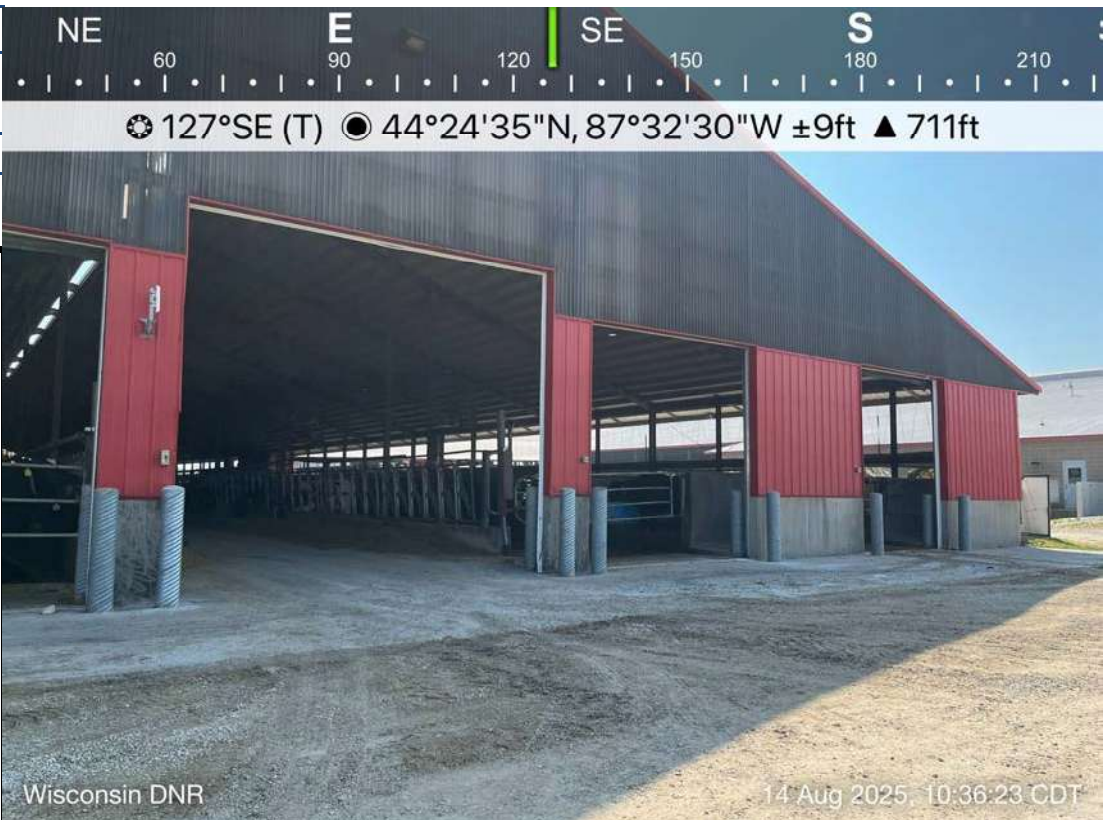


Photo Description:

View of the West Side of the Freestall Barn Located North of the Parlor on the West Side of the Production Site. This Photo was Taken Facing Southeast.

Wisconsin DNR

14 Aug 2025 10:36:23 CDT

Photo #:	2006
Date/Time of Photo:	August 14, 2025 10:36 am
Photo By:	Mueller
Photo Location:	Main Site



Photo Description:

View of the Calf Hutches Located North of the Parlor on the West Side of the Production Site. This Photo was Taken Facing East.

Photo #:	2015
Date/Time of Photo:	August 14, 2025 10:46 am
Photo By:	Mueller
Photo Location:	Paplham Site WSF Paplham

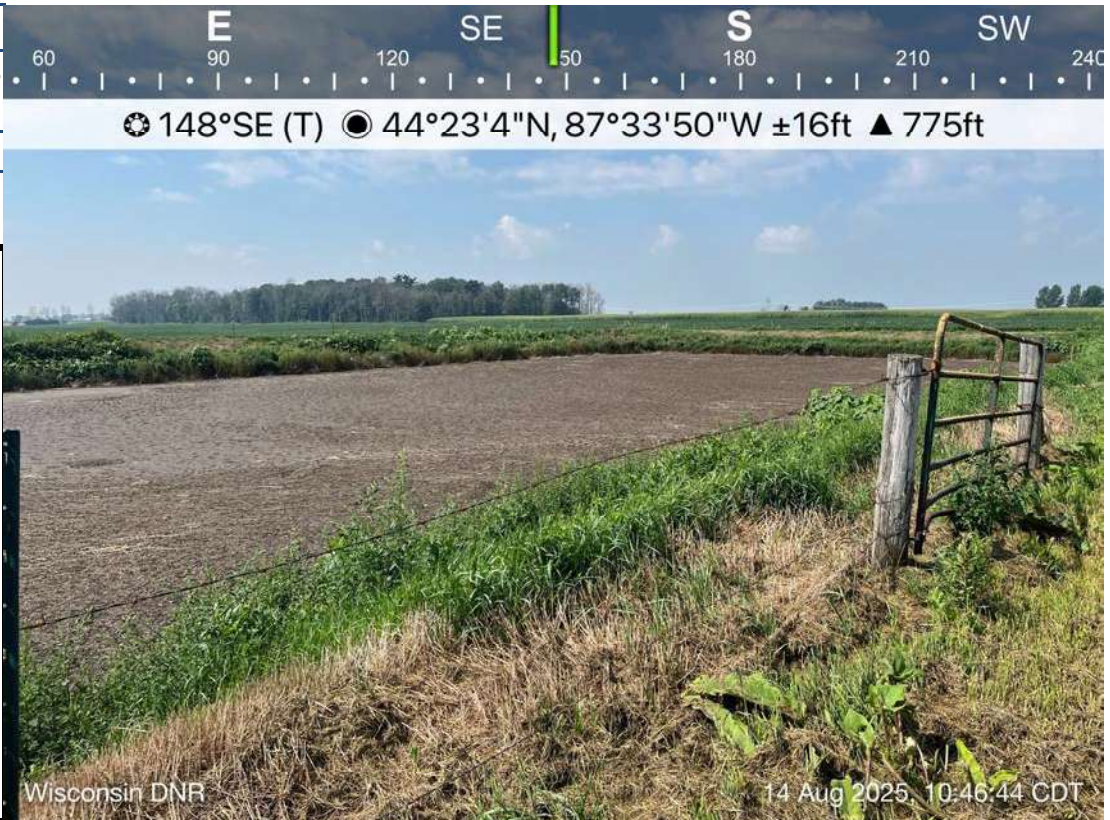


Photo Description:

View of the North Side of WSF Paplham (5) Located on the West Side of the Production Site. Vegetation Around the Storage was Observed. This Photo was Taken Facing Southeast.

Photo #:	2018
Date/Time of Photo:	August 14, 2025 10:47 am
Photo By:	Mueller
Photo Location:	Papllham Site WSF Papllham



Photo Description:

View of WSF Papllham Located on the West Side of the Production Site. The Yellow Arrow Represents the MOS & MOL Markers. This Photo was Taken Facing South.

Photo #:	2019
Date/Time of Photo:	August 14, 2025 10:47 am
Photo By:	Mueller
Photo Location:	Papllham Site WSF Papllham



Photo Description:

View of the Concrete Ramp Located on the North Side of WSF Papllham Located on the West Side of the Production Site. A Portion of Fencing to be Repaired was Observed. This Photo was Taken Facing Southwest.

Photo #:	2023
Date/Time of Photo:	August 14, 2025 10:48 am
Photo By:	Mueller
Photo Location:	Paplhams Site WSF Paplhams



Photo Description:

View of the West Side of WSF Paplhams Located on the West Side of the Production Site. Vegetation Around the Storage was Observed. This Photo was Taken Facing South.

Photo #:	2019
Date/Time of Photo:	August 14, 2025 10:48 am
Photo By:	Mueller
Photo Location:	Paplhams Site WSF Paplhams



Photo Description:

View of the Northeast Side of WSF Paplhams Located on the West Side of the Production Site. Vegetation Around the Storage was Observed. This Photo was Taken Facing Southeast.

Photo #:	2018
Date/Time of Photo:	August 14, 2025 10:49 am
Photo By:	Mueller
Photo Location:	Papllham Site WSF Papllham

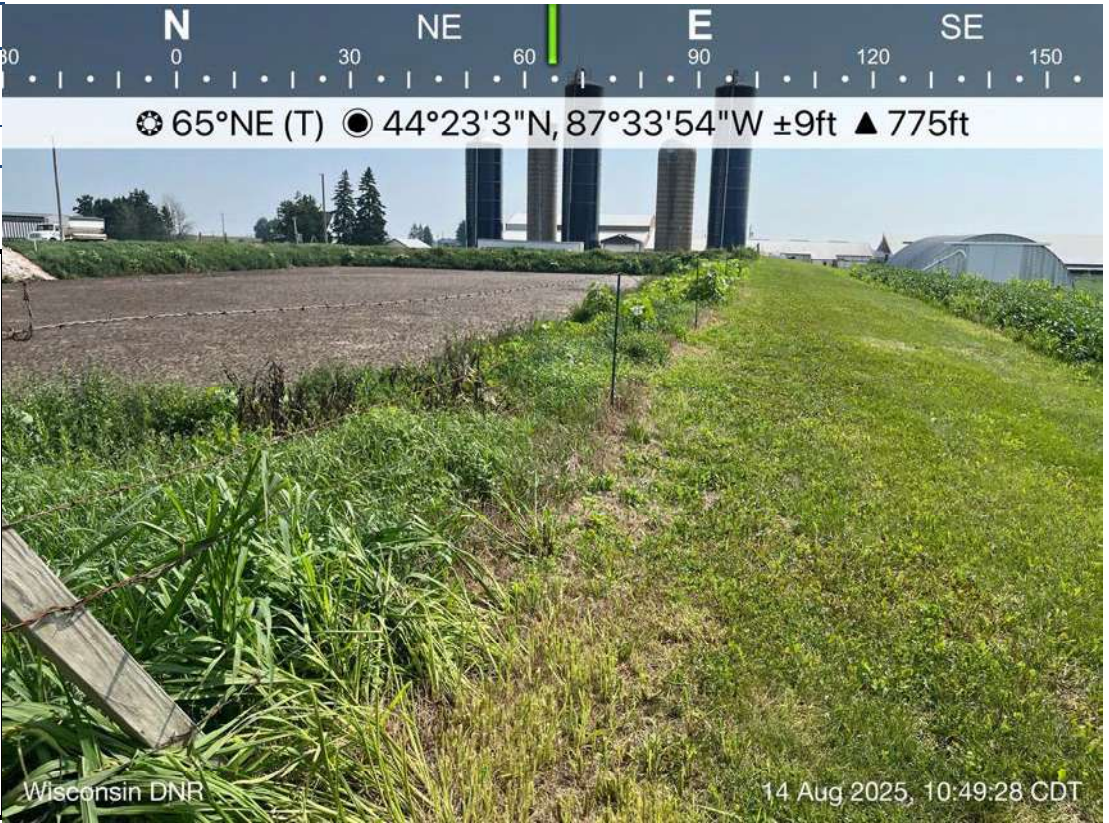


Photo Description:

View of the South Side of WSF Papllham Located on the West Side of the Production Site. Vegetation Around the Storage was Observed This Photo was Taken Facing Northeast.

Photo #:	2019
Date/Time of Photo:	August 14, 2025 10:50 am
Photo By:	Mueller
Photo Location:	Papllham Site WSF Papllham



Photo Description:

View of the East Side of WSF Papllham Located on the West Side of the Production Site. Vegetation Around the Storage was Observed. This Photo was Taken Facing Northwest.

Photo #:	2018
Date/Time of Photo:	August 14, 2025 10:51 am
Photo By:	Mueller
Photo Location:	Papllham Site



Photo Description:
View of the Freestall Barn and the Accumulation of Process Wastewater Located in the Middle of the Production Site. The Yellow Arrow Represents the Accumulated Processed Wastewater. This Photo was Taken Facing Northeast.

Photo #:	2019
Date/Time of Photo:	August 14, 2025 10:52 am
Photo By:	Mueller
Photo Location:	Papllham Site

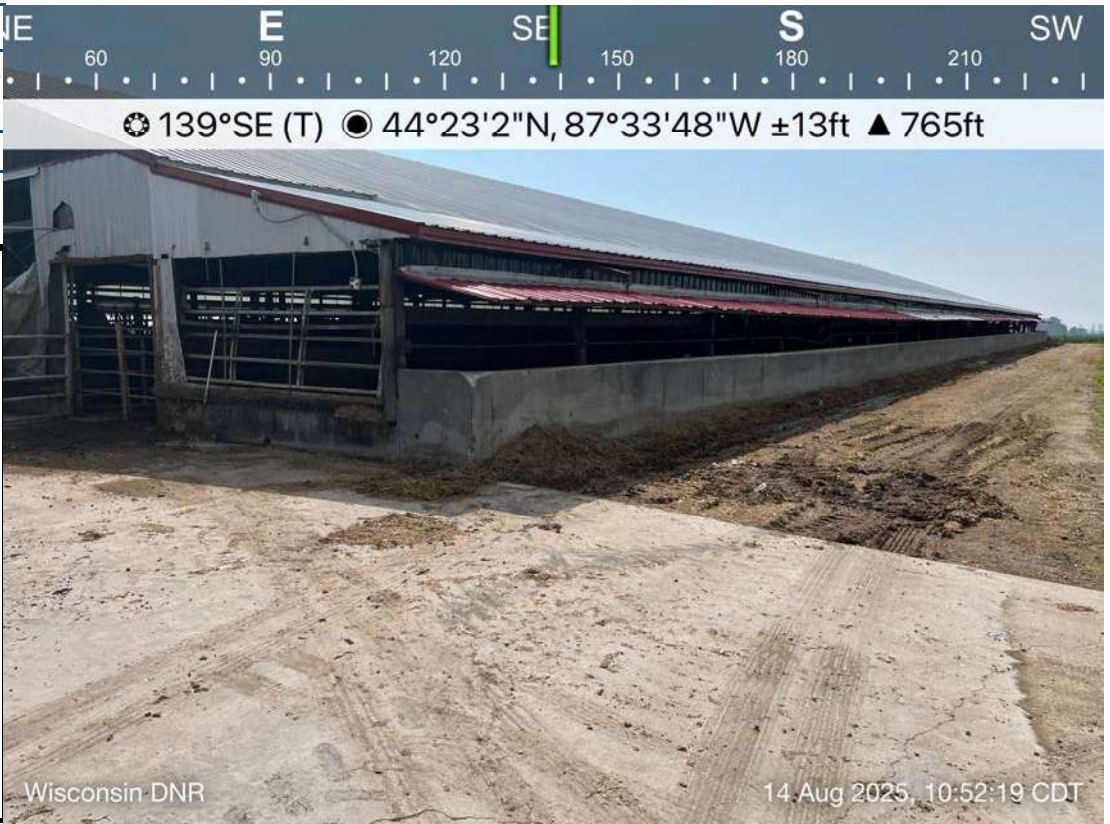


Photo Description:
View of Feed Spilled Over the Manger on the West Side of the Freestall Barn Located on the South Side of the Production Site. This Photo was Taken Facing Southeast.

Photo #:	2018
Date/Time of Photo:	August 14, 2025 10:55 am
Photo By:	Mueller
Photo Location:	Papllham Site



Photo Description:

View of Feed Spilled Over the Manger on the West Side of the Freestall Barn Located on the South Side of the Production Site. This Photo was Taken Facing North.

Wisconsin DNR

14 Aug 2025, 10:55:02 CDT

Photo #:	2019
Date/Time of Photo:	August 14, 2025 10:57 am
Photo By:	Mueller
Photo Location:	Papllham Site



Photo Description:

View of Feed Spilled Over the Manger on the East Side of the Freestall Barn Located on the South Side of the Production Site. This Photo was Taken Facing North.

Wisconsin DNR

14 Aug 2025, 10:57:15 CDT

Photo #:	2018
Date/Time of Photo:	August 14, 2025 10:58 am
Photo By:	Mueller
Photo Location:	Papllham Site

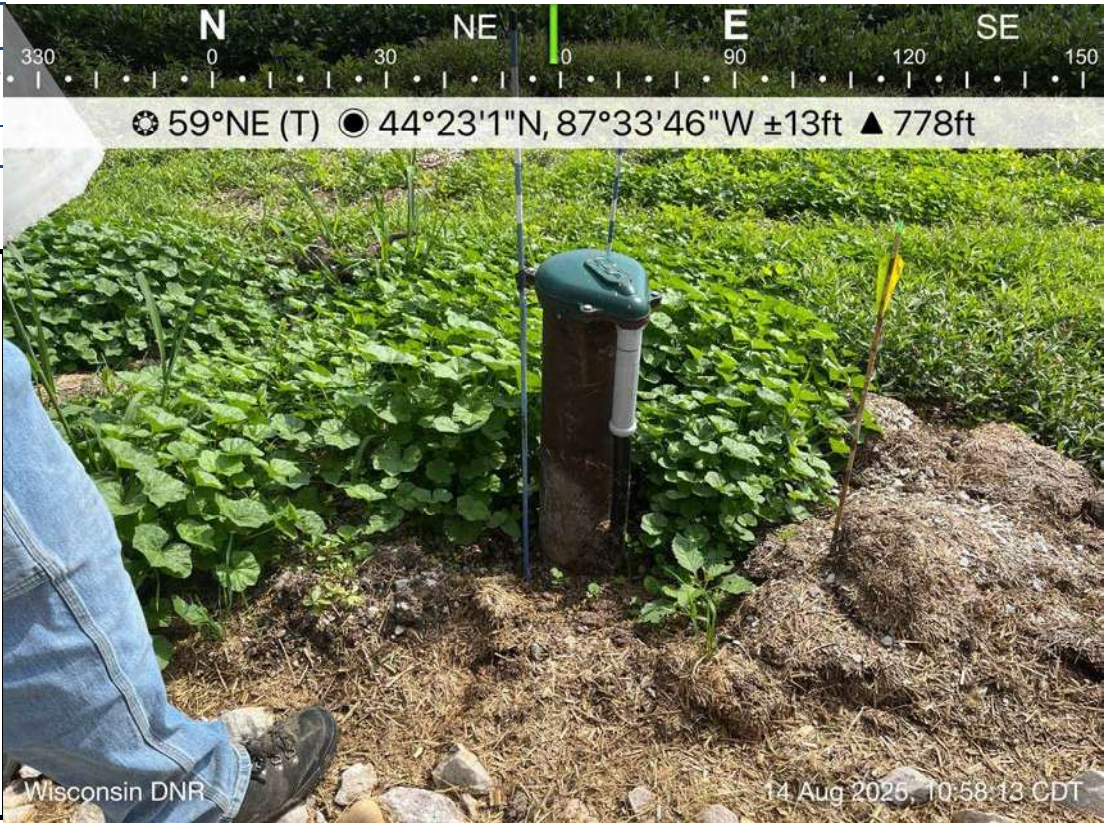


Photo Description:
View of the Well Located East of the Freestall Barn on the East Side of the Production Site. This Photo was Taken Facing Northeast.

Photo #:	2019
Date/Time of Photo:	August 14, 2025 10:58 am
Photo By:	Mueller
Photo Location:	Papllham Site

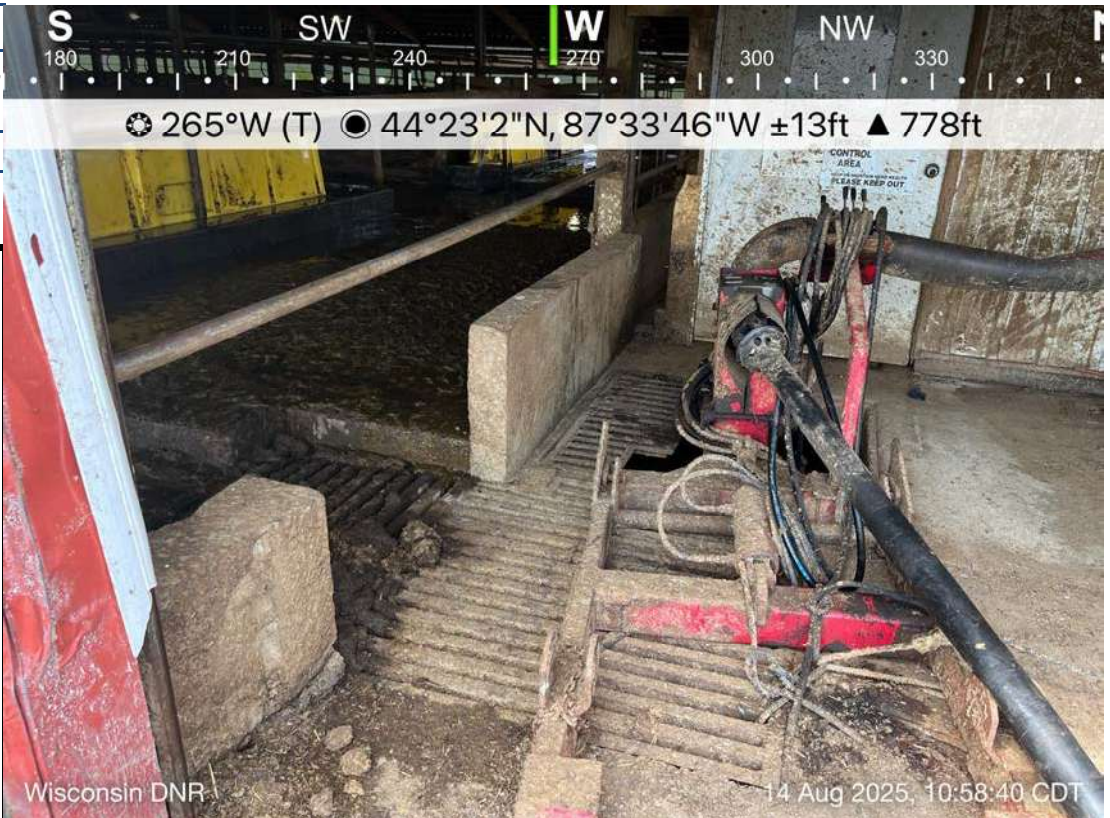


Photo Description:
View of Manure Transfer System Located on the Northwest Side of the Freestall Barn Located on the East Side of the Production Site. This Photo was Taken Facing West.

Photo #:	2018
Date/Time of Photo:	August 14, 2025 11:03 am
Photo By:	Mueller
Photo Location:	Papllham Site



Photo Description:

View of the Outside of the Buildings Located on the East Side of the Production Site. This Photo was Taken Facing South.

Photo #:	2019
Date/Time of Photo:	August 14, 2025 11:03 am
Photo By:	Mueller
Photo Location:	Papllham Site



Photo Description:

View of the Outside of the Buildings and Silo Located East of WSF Papllham. This Photo was Taken Facing Southwest.



February 23, 2026

Kewaunee County
Approval

Johannaes Wakker
Wakker Dairy Farm Inc
N2348 Hwy 42
Kewaunee, WI 54216

SUBJECT: Conditional Approval of Wakker Dairy Farm Inc Nutrient Management Plan, WPDES Permit No. 0063673-04-0

Dear Mr. Wakker:

After completing a review of Wakker Dairy Farm Inc 2026-2030 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 Wakker Dairy Farm Inc review the NMP with those individuals involved with manure applications to ensure all remain familiar with the approved manure spreading protocol, spreading maps, field and map verification, record keeping requirements, and all the conditions of this approval.

FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 4,546 animal units (3,050 milking & dry cows and 250 heifers). A planned herd size of 6,422 animal units (4,280 milking & dry cows and 300 heifers) by 2027.
2. Manure generation and spreading records indicate your herd will annually generate approximately 40,005,484 gallons of manure and process wastewater and 500 tons of solid manure in the first year of the permit term. After the planned expansion, your herd will annually generate approximately 54,489,434 gallons of manure and process wastewater and 600 tons of solid manure.
3. The use of application restriction options 1, 2, and 5 within surface water quality management areas.
4. The use of phosphorus delivery method P Index.
5. That Wakker Dairy Farm Inc currently has 4,796 acres (418 owned and 4,292 controlled through contracts, rental agreements or leases, or under manure agreements) of which 4,710 are spreadable acres.

NOTE: Wakker Dairy Farm Inc does NOT currently have adequate land base in their Nutrient Management Plan to account for the planned expansion by 2027. Wakker Dairy Farm cannot expand to this animal unit number until additional land is added to the NMP.

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 2026-2030 Wakker Dairy Farm Inc Nutrient Management Plan subject to the following conditions and the applicable requirements of Ch. NR 243, Wis. Adm. Code:

FIELD AND MANURE MANAGEMENT

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

Field Name	Other Permittee Name	Other Permittee Field Name	DNR #
JW-Wisnicky	NLC ENERGY DENMARK LLC	WALEJS29-WK2	123803
JW-Wisnicky	NLC ENERGY DENMARK LLC	WALEJS29-WK1	123802
Jason Walechka-G-5	NLC ENERGY DENMARK LLC	WALEJS03-WK1	67092
JW-Wisnicky	NLC ENERGY DENMARK LLC	WALEBL29-WL1	123813
JW-Wisnicky	NLC ENERGY DENMARK LLC	WALEJS29-WK3	123804
Jason Walechka-G-5	NLC ENERGY DENMARK LLC	WALEJS03-WK2	123670
Jason Walechka-K-4	NLC ENERGY DENMARK LLC	JJWSLW24-W2	123806
Jason W GP-2	BELGIOIOSO CHEESE INC DENMARK	RP-2	95377
JW-Wisnicky	NLC ENERGY DENMARK LLC	JJWSLS29-W1	123808
Jason Walechka G-4	NLC ENERGY DENMARK LLC	JASWT310-W1	67091
Jason W GP-1	BELGIOIOSO CHEESE INC DENMARK	RP-1	95376

Jason W GP-2	ALGOMA WASTEWATER TREATMENT FACILITY	KW-1-2	108521
Jason Walechka-K-4	NLC ENERGY DENMARK LLC	JJWSLW24-W1	123805
Jason W GP-1	ALGOMA WASTEWATER TREATMENT FACILITY	KW-1-1	108520
JW-Gruetzmacher-1	NLC ENERGY DENMARK LLC	JJWSLWS9-W2	123807
Jason Walechka-K-3	NLC ENERGY DENMARK LLC	JW24-3	118957
Jason Walechka-K-1	NLC ENERGY DENMARK LLC	JW24-1	118955
Jason Walechka-K-2	NLC ENERGY DENMARK LLC	JW24-2	118956
Jason W GP-3	ALGOMA WASTEWATER TREATMENT FACILITY	KW-1-3	108522

Prior to any manure applications on these fields Wakker Dairy Farm Inc shall contact the entities listed above to obtain recent spreading records and make the necessary adjustments to the planned manure application rates. At the end of each year Wakker Dairy Farm Inc shall contact each entity listed above to obtain spreading records from the previous year so that they can be properly tracked in the NMP. Please Note: Wakker Dairy Farm Inc is responsible for obtaining nutrient content values for all other wastes spread on any field in their NMP.

3. 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.
4. All liquid manure samples collected may be analyzed, at a minimum, for percent dry matter, total nitrogen, percent NH₄-N, percent NO₃-N, phosphorus, potassium, and sulfur.
5. If manure sample results have a dry matter (DM) content less than 2.0% and the percent ammonium (NH₄⁺) is greater than 75% of the total N, Wakker Dairy Farm Inc may use the following equation to adjust the first year available nitrogen when applications are injected or incorporated within 1 hour:

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

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

WINTER SPREADING

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

9. The following field(s) are approved for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:

- | | | |
|-----------------------|---------------------|-----------------------|
| - JSteinhorst K1 | - MW-Haz | - Jeff Lambrecht GP-1 |
| - Jeff Lambrecht GP-2 | - New Bluff-1 | - JW-9 |
| - Jason Walecka G-4 | - K-1 | - K-2 |
| - Rossbud T-1 | - Koehler 0-5-6 | - Koehler 0-8 |
| - Koehler 0-9 | - Jason Walecka K-1 | |

10. The following field(s) are denied for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:

- JW-4 (No winter spreading map submitted)

11. Winter spreading of solid and liquid manure may not occur during the “high risk runoff period” pursuant to s. NR 243.14(6)(c) and NR 243.14(7)(c), respectively.

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

13. Liquid applications shall be limited to 3,500 gallons per acre or 30 lbs. P per acre, whichever is less, on slopes 2-6% and 7,000 gallons per acre or 60 lbs. P per acre, whichever is less, on slopes 0-2%. Winter applications of solid manure shall be limited to 60 lbs. P per acre.

HEADLAND STACKING

14. No headland stacking sites are approved.

MANURE & PROCESS WASTEWATER IRRIGATION

15. Irrigation of manure or process wastewater is prohibited.

MANURE & PROCESS WASTEWATER DISTRIBUTION- RESPONSIBILITY FOR LARGE CAFO MANURE AND PROCESS WASTEWATER (NR 243.142).

16. Wakker Dairy Farm Inc is approved to transfer all separated solids to the following CAFO facilities via NR 243.142 (2)(c) to be used as animal bedding

- | | | |
|--|---|--|
| - Betley Farms LLC
(Permit No. 0063398-04-0) | - Ruedinger Farms Inc
(Permit No. 0064386-03-01) | - Wayside Dairy LLC
(Permit No. 0061948-04-0) |
| - Brey Cycle Farm LLC
(Permit No. 0067261-01-0) | - Pagels Ponderosa Dairy
LLC (Permit No. 0059374-05-0) | |

17. Upon distribution to these CAFO’s, Wakker Dairy Farm is not responsible for the land application, use or disposal of the distributed solid manure. The distributed manure shall be land applied via the receiving CAFO’s Nutrient Management Plan approved in their WPDES permit.

18. Wakker Dairy Farm Inc must maintain records that track the quantity and the dates of transfer of the solid manure. These records must be submitted with the farms annual reports.

19. If Wakker Dairy Farm Inc wishes to distribute solid manure to any additional facilities, they must gain department approval prior to distribution.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

20. A copy of this conditional approval shall be included in all future annual Nutrient Management Plan Updates in addition to the NR 243 and NRCS 590 checklists.

This conditional approval does not limit the Department's regulatory authority to require NMP revisions (based upon new information or manure irrigation research findings) or request additional information in order to confirm or ensure your farm operation remains in compliance with NR 243 and your WPDES permit conditions. If additional information, project changes or other circumstances indicate a possible need to modify this approval, the Department may ask you to provide further information relating to this activity.

Please keep in mind that approval by the Department of Natural Resources – Runoff Management Program does not relieve you of obligations to meet all other applicable federal, state or local permits, zoning and regulatory requirements.

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

Sincerely,



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

cc: Brittiny Mueller, WDNR Agricultural Runoff Specialist (Brittiny.Mueller@Wisconsin.gov)
Trent Brenny, WDNR Acting Watershed Field Supervisor (Trenton.Brenny@Wisconsin.gov)
Joe Baeten, WDNR Ag Runoff Section Chief (Joseph.Baeten@Wisconsin.gov)
Ashley Scheel, WDNR CAFO NMP Reviewer (Ashley.Scheel@Wisconsin.gov)
Falon French, WDNR Intake Specialist (Falon.French@Wisconsin.gov)
Davina Bonness, Kewaunee County (bonness.davina@kewauneeeco.org)
Chuck Bolte, AgSource Laboratories (Chuck.Bolte@agsource.com)
File



August 26, 2025

FILE REF: R-2022-0180
 WPDES Permit #: WI-0063673

Johannes Wakker
 Wakker Dairy Farm Inc
 N2348 Hwy 42
 Kewaunee, WI 54216

Subject: Days of Storage Review for Wakker Dairy Farm Inc T22N, R24E, Section 1 and 15 in Carlton Township, Kewaunee County – NO ADDITIONAL ACTION REQUIRED

Dear Johannes Wakker:

This letter is to inform you that the Wisconsin Department of Natural Resources (Department) has completed an updated review of the calculation of days of storage submitted under certification by Doug Gatrell, GHD Services Inc with information from the engineering plans, project R-2025-0128, approved by the department on July 1, 2025.

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 Wakker Dairy Farm Inc currently has 274 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 4,435. An animal units expansion is proposed within the permit term as well and the proposed numbers are the portion of this letter that has been amended. Wakker Dairy Farm Inc is estimated to have 197 days of liquid waste storage for the proposed 6,240 animal units. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. The first 0.5” flush from the feed storage area is collected in permanent storage, with the remainder transferred to the existing VTA on site.

Existing Days of Storage Summary

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.
Home #3	15,952,286	1,015,384	379,779	0	1,043,614	13,513,509
Home #4	15,741,301	987,540	382,752	0	1,051,179	13,319,830
Papllham WSP	3,264,212	252,784	103,439	0	282,545	2,625,444
Total MOL Vol:						29,458,783
Days of Storage:						274

Liquids Collected/Stored	Annual Gallons
Manure, Bedding, and Process Wastewater	33,841,158
Feed Storage Leachate	187,000
Feed Storage Runoff Collected (0.5")	1,189,594
Net Precipitation on Storage Surfaces	4,096,241
TOTAL:	39,313,993

Proposed 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	15,952,286	1,015,384	379,779		1,043,614	13,513,509
#2	15,741,301	987,540	382,752		1,051,179	13,319,830
#3	3,264,212	252,784	103,439		282,545	2,625,444
					Total MOL Vol:	29,458,783
					Days of Storage:	197

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure and Bedding	48,939,930
Feed Storage Leachate	263,670
Feed Storage Runoff Collected	1,189,594
Net Precipitation on Storage Surface(s)	3,606,948
Other	489,293
TOTAL:	54,489,435

Should you have any questions, please contact Tabby Feller, 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

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