

Permit Fact Sheet

General Information

Permit Number	WI-0064025-03-0
Permittee Name and Address	White Gold Dairy LLC 6200 Maier Rd, Waunakee, WI 53597
Permitted Facility Name and Address	White Gold Dairy LLC 6200 Maier Rd Waunakee, WI 53597
Permit Term	November 01, 2026 to October 31, 2031
Receiving Water	Unnamed tributaries to Six Mile Creek within the Six Mile and Pheasant Branch Creek Watersheds, and groundwaters of the state
Discharge Type	Existing source CAFO

Animal Units					
Animal Type	Current AU		Proposed AU (Note: If all zeroes, expansions are not expected during permit term)		
	Mixed	Individual	Mixed	Individual	Date of Proposed Expansion
Dairy Calves (under 400 lbs.)	40	0	0	0	
Milking and Dry Cows	2345	2395	0	0	
Heifers (800 lbs. to 1200 lbs.)	220	200	0	0	
Total	2605	2395	0	0	

Facility Description

White Gold Dairy, LLC is an existing Concentrated Animal Feeding Operation (CAFO). White Gold Dairy, LLC is owned and operate by Rich and Jerry Maier. The farm currently has 2,605 animal units (1,675 milking & dry cows, 200 heifers, and 200 calves). White Gold Dairy, LLC has a total of 2,412 acres (655 owned and 1,757 controlled through contracts, rental agreements or leases, or under manure agreements) of which 2,255 are spreadable acres. White Gold Dairy, LLC has no large expansions planned during the proposed permit term. Approximately 23,277,553 gallons of manure and process wastewater and 767 tons of solid manure is predicted to be generated in the first year of the permit term. The farm has approximately 252 days of liquid manure storage. The farm also participates in the Dane County Waunakee Digester. Waste from the farm is transferred to the digester which removes the waste solids and produces renewable natural gas and then transfers the remaining liquid waste back to the farm. This is done through a WPDES permit to WPDES permit transfer.

White Gold Dairy, LLC is located at 6200 Maier Rd, Waunakee, WI 53597 and is composed of five freestall barns, a parlor, a calf barn, a dry cow/pre-fresh heifer barn, two feed storage areas, and two waste storage facilities. All production areas were inspected the day of the inspection.

Substantial Compliance Determination

Enforcement During Last Permit: During the last permit term, White Gold Dairy, LLC received a Notice of Noncompliance for allegedly failing to comply with their WPDES permit compliance schedule and allegedly failing to comply with their approved nutrient management plan. The facility has completed all previously required actions as part of the enforcement process.

After a desktop review of all compliance schedule items and pertinent document, and a site visit on September 18, 2026, 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	North Basin: Sample point 002 is for liquid waste storage facility (North Basin) located north of the Main Feed Storage Area. The North Basin is a concrete storage measuring 55' x 70' x 10' with the approximate capacity of 200,000 gallons. The facility was constructed in 2008 and accepts manure and process wastewater from heifer and dry cow barn. Manure from the North Basin will either be landspread in accordance with their approved nutrient management plan, transferred to the Clean Fuel Dane Digester LLC (Dane County Waunakee Digester), or transferred to the North Round Pit (sample point 003). Digestate will not be returned to this waste storage facility. The North Basin was last evaluated in 2014 and met permit conditions.	
003	North Round Pit: Sample point 003 is for the liquid waste storage facility (North Round Pit) located at the southeast corner of the production site. The North Round Pit is a concrete storage, measuring 320' in diameter and 16' deep. The facility has a capacity of approximately 8,000,000 gallons and was constructed in 2010. This storage accepts manure and process wastewater from a 30' diameter by 12' deep concrete reception tank that collects manure from the freestall barns, north manure storage basin, and feed leachate. The reception tank will also facilitate the transfer of manure to and from the Dane County Waunakee Digester. North Round Pit was last evaluated in 2014 and met permit conditions.	
004	Manure Transferred to Digester: This sample point is for manure transferred to the Dane County Waunakee Digester site adjacent to the farm and for digestate returned to White Gold Dairy. This transfer is returned through direct piping or transferred by trucking if needed. Treated manure called digestate will be returned to the farm via permanent piping for storage in approved manure storage units prior to landspreading. Influent (manure) to the digester and return flow (digestate) to White Gold Dairy will be monitored and recorded by the Dane County Waunakee Digester as specified in their permit. When permanent pipes are used the Dane County Waunakee Digester is responsible for the manure and digestate in the pipes and the dry well. White Gold Dairy is responsible for all manure before entering the dry well and for digestate returned to the reception tank or the North Round Pit.	
005	Miscellaneous Solid Manure: Sample point 005 is for miscellaneous solid manure sources generated at the White Gold Dairy that are not stored in a waste storage facility and are directly land applied to fields in the approved Nutrient Management Plan. 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.	

Sample Point Designation For Animal Waste		
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)	
006	Feed Storage Area & Runoff Control System: Sample point 006 is for visual monitoring and inspection of the feed storage area and associated runoff control system located at White Gold Dairy. Both feed storage areas pipe the leachate to South Round Pit (sample point 008), or it can be diverted to the North Round Pit (sample point 003). Weekly inspections are required and shall be recorded according to monitoring program. The feed storage area was expanded in 2023 with department approval and collection system installed.	
007	Headland Stacking: Sample point 007 is for solid manure stacked in approved headland stacking locations. Representative samples shall be taken of this manure prior to land application. Note: Headland stacking sites are subject to production site discharge limitations; weekly visual monitoring is required during use of stacking sites to ensure discharges meet permit requirements.	
008	South Round Pit: Sample point 008 is for the liquid waste storage facility (South Round Pit) located at the southeast corner of the production site south of the North Round Pit. The South Round Pit is a concrete storage, measuring 320' in diameter and 16' deep. The facility has a capacity of approximately 8,000,000 gallons and was constructed in 2023 with department approval. This storage accepts process wastewater from the feed storage areas and can have manure diverted to it from the North Round Pit.	
009	Storm Water Runoff Controls: Sample point 009 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 the monitoring and inspection 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 252 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.

Solid Manure Stacking

The operation has proposed to stack solid manure. All stacking of solid manure shall be done in accordance ch. NR 243, Wis. Adm. Code, which includes restrictions from NRCS Standard 313. Stacking of manure is considered to be part of the production area and is subject to the Production Area Discharge Limitations.

Ancillary Service and Storage Areas

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

Nutrient Management

With 2,605 animal units (1,675 milking & dry cows, 200 heifers, and 200 calves), it is estimated that approximately 23,277,553 gallons of manure and process wastewater and 767 tons of solid manure is predicted to be generated in the first year of the permit term. The permittee owns *approximately* 655 acres of cropland and rents about 1,757 acres. Given the rotation commonly used by the permittee, 2,255 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- North Basin; 003- North Round Pit; 004- Manure Transferred to Digester; 008- South Round Pit

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 points 002-North Basin, 003-North Round Pit, and 004-Manure Transferred to Digester were edited to be more accurate descriptions of the facilities.

Sample point 008-South Round Pit was added for the new storage facility constructed in the last permit term.

1.1.2 Explanation of Operation and Management Requirements

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

1.2 Sample Point Number: 005- Miscellaneous Solid Manure; 007- 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 005-Miscellaneous Solid Manure was edited to be a more descriptive description of the facility.

1.2.2 Explanation of Operation and Management Requirements

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

1.3 Sample Point Number: 006- Feed Storage Runoff System and 009- Storm Water Runoff Controls

1.3.1 Changes from Previous Permit

Sample point 006-Feed Storage Runoff System was edited to be a more accurate description of the facility.

Sample point 009-Storm Water Runoff Controls was added to account for the storm water runoff controls.

1.3.2 Explanation of Operation and Management Requirements

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

2 Schedules

2.1 Monitoring & Inspection Program

Required Action	Due Date
Proposed Monitoring and Inspection Program: Consistent with the Monitoring and Sampling Requirements subsection, the permittee shall submit a proposed monitoring and inspection program within 30 days of the effective date of this permit.	12/01/2026

2.2 Explanation of Schedules

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

2.3 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.	12/01/2026

2.4 Explanation of Schedules

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

Submit NMP Update #1: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2027
Submit NMP Update #2: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2028
Submit NMP Update #3: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2029
Submit NMP Update #4: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2030
Submit NMP Update #5: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2031
Ongoing Management Plan Annual Updates: Continue to submit Annual Updates to the Nutrient Management Plan until permit reissuance has been completed.	

2.8 Explanation of Schedules

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

2.9 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	05/04/2031

2.10 Explanation of Schedules

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

Attachments

Nutrient Management Plan Conditional Approval 4/3/2025

Days of Storage No Further Actions Letter 5/6/2024

Sample Point Map

Justification Of Any Waivers From Permit Application Requirements

No waivers requested or granted as part of this permit reissuance

Prepared By: Josie Borgrud Agricultural Runoff Management Specialist

Date: 9/24/2026



April 3rd, 2025

Dane County
Approval

Richard Maier
White Gold Dairy, LLC
6200 Maier Rd.
Waunakee, WI 53597

SUBJECT: Conditional Approval of White Gold Dairy, LLC Nutrient Management Plan, WPDES Permit No. 0064025-03

Dear Richard Maier:

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

FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 2,605 animal units (1,675 milking & dry cows, 200 heifers, and 200 calves). Currently there are no planned expansions in the next permit term.
2. Manure generation and spreading records indicate your herd will annually generate approximately 23,277,553 gallons of manure and process wastewater and 767 tons of solid manure in the first year of the permit term. Manure is handled through alternative distribution plans for both liquid and solid, please reference **Alternative Distribution Plan** section for full information.
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 White Gold Dairy, LLC currently has 2,412 acres (655 owned and 1,757 controlled through contracts, rental agreements or leases, or under manure agreements) of which 2,255 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 White Gold Dairy, LLC Nutrient Management Plan subject to the following conditions and the applicable requirements of Ch. NR 243, Wis. Adm. Code:

FIELD AND MANURE MANAGEMENT

1. Fields not included in the NMP and new fields shall not receive manure or process wastewater applications until they have been properly soil sampled, entered into Snap Plus, evaluated for their nutrient needs, and approved by the Department.
2. The following fields are prohibited from receiving applications of manure or process wastewater:
 - RA9 (Sample Density) - B1B (>200 ppm P) - B9C (>200 ppm P)
 - Z2B2 (>200 ppm P)

If White Gold Dairy, LLC wishes to use these fields for applications of manure or process wastewater all necessary information shall be submitted to the Department prior to application to demonstrate compliance with NR 243 and other applicable codes. Written Department approval amending this condition approval must be received prior to application.

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

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

6. White Gold Dairy, LLC shall record daily manure applications by using the Snap Plus 'Daily Spreading Log'. These forms shall be retained at the farm and provided to the department upon request.
7. White Gold Dairy, LLC shall annually submit a spreading report that summarizes the land application activities listed under NR 243.19(3)(c)5., Wis. Adm. Code by using Snap Plus 'CAFO Annual Spreading Report'.

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:

- H1A	- H1B	- H1C	- H5
- H6	- H7	- WA1A	- WA1B
- WA1C	- WA1D	- WA2A	- WA2B
- WA2C	- GP2A	- GP2B	- GP07

- | | | | |
|---------|--------|--------|------------------|
| - GP09A | - GP9B | - GP10 | - Yahara Heights |
| - Beck | - DC1 | - DC5 | - DC6 |
| - Z2A | - Z3A | - RM08 | - RM09 |

10. The following field(s) are denied for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:
 - DC10-11 (field does not exist as this name)
 - RM07N/S (field does not exist as this name)
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 currently approved. The following stacking sites are denied due to slope on these locations which ranged from 1-6%. This range of slope does not allow for stacking when your dry matter is below 32% solids. In the future if sites were slope verified and met stacking eligibility, these could be submitted to the department for consideration with proof of slope verification.
 - DC11-1 (PNB 2-6% Slope)*
 - MU1B-2 (RdB2 1-6% Slope)*

*Slope is required per NRCS 313 to be no greater than 3% on a site when % solids are below 32%.

MANURE & PROCESS WASTEWATER IRRIGATION

16. Irrigation of manure or process wastewater is prohibited.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

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

ALTERNATIVE DISTRIBUTION PLAN

17. White Gold Dairy, LLC will be sending all solid manure to be composted at Carbon Cycle Consulting, LLC of Marshall, WI. This manure is therefore transferred to this permitted facility and will not return to White Gold Dairy, LLC. All solid waste generated and distributed must be documented in the annual reports for White Gold Dairy, LLC.
18. White Gold Dairy will be sending all liquid manure to a local digester owned by BME Demeter RNG LLC which is a WPDES permitted facility. The amount of manure that is sent to this facility to be processed is then returned and land applied in accordance to the farm NMP.

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 608-212-8460 or Ashley.Scheel@Wisconsin.gov.

Sincerely,

A handwritten signature in black ink that reads "Ashley Scheel". The signature is written in a cursive, flowing style.

Ashley Scheel, CCA
WDNR Nutrient Management Plan Reviewer
Wisconsin Department of Natural Resources

cc:

Josie Borgrud, WDNR Agricultural Runoff Management Specialist (Josie.Borgrud@Wisconsin.gov)
Laura Bub, WDNR Watershed Field Supervisor (Laura.Bub@Wisconsin.gov)
Christopher Clayton, WDNR Runoff Management Section Chief (Christopherr.Clayton@Wisconsin.gov)
Aaron O'Rourke, WDNR Nutrient Management Program Coordinator (Aaron.Orourke@Wisconsin.gov)
Falon French, WDNR Intake Specialist (Falon.French@Wisconsin.gov)
Rob Davis, WDNR CAFO Engineer (Robert.Davis@Wisconsin.gov)
Tony Salituro, WDNR CAFO Engineer (Anthony.Salituro@Wisconsin.gov)
Amy Paiget, Dane County (Paiget.Amy@Countyofdane.com)
Bruce Ludolph, Top Crop, LLC (topcropllc@gmail.com)
File



May 6, 2024

FILE REF: R-2024-0062
WPDES Permit #: WI-0064025

Richard Maier
White Gold Dairy
6200 Maier Road
Waunakee, WI 53597

Subject: Days of Storage Review for White Gold Dairy in T09N, R09E, Section 31, Vienna Township,
Dane County – NO ADDITIONAL ACTION REQUIRED

Dear Mr. Maier:

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 by Ryan Nehls, Resource Engineering Associates on February 8, 2024 on behalf of White Gold Dairy.

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 White Gold Dairy has 252 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 2,605. No expansions are currently planned for the facility. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values. The liquid waste volumes are based upon a collection period of 365 days. Leachate and full collection of the 25-year, 24-hour storm event from the feed storage areas is now provided with construction of DNR project R-2022-0236.

Total Liquid Waste Storage:	19,398,216 gallons
Total Solids Storage:	1,197,428 gallons
Total 25-yr, 24-hr Precipitation on Storage:	489,228 gallons
Total 25-yr, 24-hr Collected Runoff:	437,094 gallons
Total Freeboard Volume:	1,223,384 gallons
Total MOL Liquid Waste Storage:	16,051,082 gallons

Manure and Bedding:	13,296,893 gallons
Parlor Wastewater:	5,000,500 gallons
Total Feed Storage Leachate:	74,800 gallons
Total Feed Storage Runoff Collected:	2,825,226 gallons
Net Precipitation on Storage Surfaces:	2,080,134 gallons
Total Liquid Waste Stored Below the MOL:	23,277,553 gallons

Should you have any questions, please contact Rob 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



Rob Davis, P.E.
Water Resources Engineer
Watershed Management Program

Email: Richard Maier; White Gold Dairy
(608) 850-3720; richwmaier@gmail.com

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

Amy Piaget; Dane County Conservationist
(608) 224-3740; piaget.amy@countyofdane.com

Ryan Nehls; Resource Engineering Associates
(608) 831-5522; rnehls@reaeng.com

Josie Hanrahan; DNR, South Central Region
(608) 598-0026; josie.hanrahan@wisconsin.gov

Laura Bub; DNR, South Central Region
(608) 712-249; Laura.Bub@wisconsin.gov

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

Rob Davis, P.E.; DNR, Central Office
(608) 225-2720; Robert.Davis@Wisconsin.gov

