Permit Fact Sheet

General Information

Permit Number	WI-0064602-04-0
Permittee Name	Golden E Dairy LLC
Permitted Facility Address	8262 Orchard Valley Road, West Bend, 53090, Washington County, WI; NW ¼ of SE ¼ Sec. 22 T12N R20E
Permit Term	August 01, 2026 to July 31, 2031
Receiving Water	Erler Creek within the North Branch Milwaukee River Watershed, and groundwaters of the state
Discharge Type	Existing source CAFO per NR 243.03(23)

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**
Dairy Calves (under 400 lbs.)	132	0	100	0	01/1/2027
Milking and Dry Cows	4130	4219	4390	4484	01/1/2027
Heifers (400 lbs. to 800 lbs.)	72	120	331	552	01/1/2027
Heifers (800 lbs. to 1200 lbs.)	507	461	1223	1112	01/1/2027
Total	4841	4219	6044	4484	

Facility Description

Golden E Dairy LLC (Golden E) is an existing concentrated animal feeding operation (CAFO) located at 8262 Orchard Valley Road, Town of Farmington, Washington County, Wisconsin. Golden E is owned and operated by Chris Elbe and consists of a main production site split into two adjacent areas—the "Home Farm" and the "New Dairy". The Home Farm has two waste storage facilities (WSFs) and multiple barns for calves, heifers, and dry or pregnant cows. The New Dairy has one waste storage facility, a solid-separator building, a feed storage area with a runoff collection basin, and a milking barn. The New Dairy used to operate a bubbler system for leachate from the feed storage area to a vegetated treatment area (VTA), which was abandoned during the previous permit term and replaced with a collection basin and direct transfer line to WSF 3.

The dairy operates at a current herd size of 4,841 animal units (132 dairy calves, 4,130 milking & dry cows, 579 heifers) with plans to gradually expand to 6,044 animal units (100 dairy calves, 4,390 milking & dry cows, 1,554 heifers) by the end of 2026. It is estimated that approximately 43,153,600 gallons of manure and process wastewater will be produced per year after the expansion. Golden E owns approximately 1,267 acres of cropland and rents about 6,541 acres. Given the rotation commonly used by Golden E, 7,379 acres are available to receive manure and process wastewater on an annual basis.

Substantial Compliance Determination

Enforcement During Last Permit:

A notice of noncompliance was sent to Golden E Dairy LLC on January 3, 2023, for failure to adhere to permit schedule 2.6: Feed Storage – Plans and Specificiations. Golden E submitted the required plans and specifications by the new deadline of January 30,2023. The plans and specificaitions were approved by the department and the subsequent abandonment of the VTA, construction of feed storage runoff controls, and construction of WSF 2 & 3 were completed during the permit term.

In addition, a notice of noncompliance was sent to Golden E on April 24, 2023, for failure to adhere to permit section 1.7.1 Monitoring and Inspection Program – weekly inspections of liquid storage and containment structures. On April 26, 2023, the department received details on how the levels in liquid waste storages were being measured and recorded, along with documentation of the weekly measurements.

After a desk top review of all annual reports, nutrient management plan updates, compliance schedule items, and a site visit on September 2, 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)**	
001	WSF 2: Sample Point 001 is for Waste Storage Facility 2 (WSF 2), which is a concrete lined liquid waste storage facility located at the Home Farm site south of Barn L2. This WSF was reconstructed in 2024 and has a storage capacity of approximately 7,082,086 gallons. This storage accepts manure and process wastewater from the freestall barns and flush flume system at the Home Farm, the drain line from the calf barn on the west side of Orchard Road, and solid stacking pad (S1) adjacent to the storage facility. This WSF was constructed with plans and specs approved by the department.	
002	Feed Storage Area & Runoff Control System: Sample point 002 is for visual monitoring and inspection of the feed storage area (FSA) and associated runoff control system located at the New Dairy, east of Orchard Valley Road. This FSA has the storage capacity for 40,000 tons of haylage or corn silage. The FSA was last updated in 2024 with department approval and consists of an asphalt feed pad with curbing and grading that directs runoff to a detention basin that pumps to WSF 3. Proper operation and maintenance are required to ensure discharges of process wastewater to waters of the state do not occur. Weekly inspections are required and shall be recorded according to monitoring program.	
003	Solid Manure: Sample Point 003 is for solid manure sources from the farm. Existing sources of solid manure that are not consistently mixed with liquid manure, or stored in a solid manure storage unit, shall be tracked under this sampling point. Representative samples of pen manure, bedding pack, or other solid manure shall be taken. Solid manure will be land applied as allowed in an approved Nutrient Management Plan.	
004	Headland Stacking Solids: Sample point 004 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.	

Sample Point Designation For Animal Waste		
Sample Point Number	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**	
006	WSF 1: Sample Point 006 is for Waste Storage Facility 1 (WSF 1). WSF 1 is a concrete lined liquid waste storage facility constructed in 2016 with department approval. It is located at the New Dairy site, north of the solid separation building. It has a storage capacity of approximately 18,428,714 gallons and accepts manure and process wastewater from the freestall barns and milking parlor at the New Dairy site.	
008	Settled Solid Manure: Sample point 008 is for and manure solids removed from bottom of liquid waste storage facilities. This includes manure-laden sand solids, manure fiber solids, etc. Representative samples shall be taken from each waste storage facility.	
009	Storm Water Runoff Control System: 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 monitoring program.	
012	WSF 3: Sample point 012 is for Waste Storage Facility 3 (WSF 3). WSF 3 is a concrete lined liquid waste storage directly south of WSF 2 that accepts leachate runoff transferred from the feed storage area detention basin. It has a storage capacity of approximately 5,919,701 gallons. WSF 3 was constructed in 2024 with department approved plans and specs.	
013	Separated Solids: Sample point 013 is for separated manure solids. These are typically reused as bedding and stored in the solid separation building north of Barn L1. Separated solids may also be distributed to another party according to Department approval and Distribution of Manure and Process Wastewater section of permit.	

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 220 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 a planned heard size of 6,045 animal units (3,136 milking & dry cows, 581 heifers, and 660 calves), it is estimated that approximately 43,153,600 gallons of manure and process wastewater will be produced per year after the expansion. The permittee owns *approximately* 1,267 acres of cropland and rents about 6,541 acres. Given the rotation commonly used by the permittee, 7,379 acres are available (or open) to receive manure and process wastewater on an annual basis. The permit requires all landspreading of manure and process wastewater be completed in accordance with an approved nutrient management plan. The permit will require sampling and analysis of manure and process wastewater that will be landspread. Landspreading rates must be adjusted based on sample analysis. The permit requires the permittee to maintain a daily log that documents landspreading activities. The permit also requires the submittal of an annual report that summarizes all landspreading activities. Plans must be updated annually to reflect cropping plans and other operational changes. Among the requirements, the plans must include detailed landspreading information including field by field nutrient budgets.

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

The 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 (≥12%

solids) on frozen or snow-covered ground during February and March. Non-emergency surface applications of liquid manure (<12%) on frozen or snow-covered ground are prohibited.

Monitoring and Sampling Requirements

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

Sampling Points

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

1.1 Sample Point Number: 001- WSF 2; 006- WSF 1; 012- WSF 3

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

1.1.1 Changes from Previous Permit

Sample Point 001-WSF 2 description was modified due to its reconstruction. Sample Point 012-WSF 3 was added since it was newly constructed during the previous 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 nutrient management plan.

1.2 Sample Point Number: 002- Feed Storage & Runoff Controls; 009- Storm Water Runoff Controls

1.2.1 Changes from Previous Permit

Sample point 002-Feed Storage Area & Runoff Control System description was updated with new runoff controls.

1.2.2 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.

1.3 Sample Point Number: 003- Solid Manure; 004- Headland Stacking Solids; 008- Settled Solid Manure, and 013- 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	

1.3.1 Changes from Previous Permit

Sample Point 013-Separated Solids was added due to the newly constructed solid separation building which separates manure solids to be used as bedding.

1.3.2 Explanation of Operation and Management Requirements

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

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.	09/01/2026

2.2 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.	09/01/2026

2.3 Annual Reports

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

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

2.4 Nutrient Management Plan

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

Required Action	Due Date
Management Plan Submittal: Submit any necessary updates to the Nutrient Management Plan to meet the conditions outlined in this permit (see conditions in the Livestock Operational and Sampling Requirements section).	
Submit NMP Update #1: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2027
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.	

2.5 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	02/01/2031

2.6 Explanation of Schedules

An emergency response plan is required to be developed per s. NR 243.13(6)(a) Wis. Admin. Code.
A monitoring and inspection program is required to be submitted per s. NR 243.19(1) Wis. Admin. Code.
Annual reports are required to be submitted per s. NR 243.19(3) Wis. Admin. Code.
Nutrient management plan updates are required to be submitted per s. NR 243.19(3)Wis. Admin. Code.
A permit reissuance application is required per s. NR 243.12(1)(d) Wis. Admin. Code.

Attachments

Nutrient Management Plan Conditional Approval 3/11/2026
Days of Storage No Further Actions Letter 3/3/2026
Sample Point / Site Map

Justification Of Any Waivers From Permit Application Requirements

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

Prepared By: Kate Markiewicz Agricultural Runoff Management Specialist Date: 6/1/2026

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

Tony Evers, Governor
Karen Hyun, Ph.D., Secretary
Telephone 608-266-2621
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March 11, 2026

Washington County
Approval

Tracey Elbe
Golden E Dairy Farm
8262 Orchard Valley Rd
West Bend, WI 53090

SUBJECT: Conditional Approval of Golden E Dairy LLC Nutrient Management Plan, WPDES Permit No. 0064602-04-0

Dear Tracey Elbe:

After completing a review of Golden E Dairy LLC 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 Golden E 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 4841 animal units (2950 milking & dry cows, 581 heifers, and 660 calves). A planned herd size of 6045 animal units (3136 milking & dry cows, 1664 heifers, and 500 calves) by 2027.

2. Manure generation and spreading records indicate your herd will annually generate approximately 37,660,025 gallons of liquid manure and process wastewater in the first year of the permit term and 43,153,60 gallons of liquid manure and process wastewater following the expansion.

3. The use of application restriction options 1 and 3 within surface water quality management areas.

4. The use of phosphorus delivery method P Index.

5. That Golden E Dairy LLC currently has 7808 acres (1267 owned and 6541 controlled through contracts, rental agreements or leases, or under manure agreements) of which 7379 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 2026-2030 Golden E Dairy LLC Nutrient Management Plan subject to the following conditions and the applicable requirements of Ch. NR 243, Wis. Adm. Code:

FIELD AND MANURE MANAGEMENT

1. Fields not included in the NMP and new fields shall not receive manure or process wastewater applications until they have been properly soil sampled, entered into Snap Plus, evaluated for their nutrient needs, and approved by the Department.

2. The following fields have also been approved to receive industrial, municipal, or septage waste:

Field Name	Other Permittee Name	Other Permittee Field Name	DNR #
DD 1	SAUKVILLE VILLAGE SEWER UTILITY	85-1	113454
DOUG ARENT 1	ALLENTON SANITARY DISTRICT WWTP	19-5	1055
DOUG ARENT 1	ALLENTON SANITARY DISTRICT WWTP	19-7	1051
DOUG ARENT 1	NEWBURG VILLAGE	9-1	1052
GARBISH 1	WEST BEND CITY	SLF-24	7580
GARBISH 1	WEST BEND CITY	SLF-23	7579
GARBISH 1	WEST BEND CITY	SLF-25	7575
GARBISH 1	WEST BEND CITY	SLF-18	63554
GARBISH 1	WEST BEND CITY	SLF -17	7573
GARBISH 2	WEST BEND CITY	SLF-19	7581
GARBISH 2	WEST BEND CITY	SLF-38	11365
HF-DEPIES 3-2	CEDAR VALLEY CHEESE INC	DEPIES-46083	9709
HF-SCHOMMER 2-16	CEDAR VALLEY CHEESE INC	LANSER-5	124087
JERRY ARENT 1	SUSSEX WASTEWATER TREATMENT FACILITY	32-10	7574
LL-20,22	CEDAR VALLEY CHEESE INC	LANSER-1	124086
MOWERY 1	FREDONIA MUNICIPAL SEWER AND WATER UTILITY	RMO-2	62916
MOWERY 2	FREDONIA MUNICIPAL SEWER AND WATER UTILITY	RMO-2	62916
MOWERY 3	FREDONIA MUNICIPAL SEWER AND WATER UTILITY	RMO-1	62915
PAUL MUELLER 3	FREDONIA MUNICIPAL SEWER AND WATER UTILITY	PMU-1	92268
POMEHAWK 1,2	PORT WASHINGTON WWTF	JI-1	105323
REX FARM 3	WEST BEND CITY	REX-1	82645
ROYAL B 3X	JOHNSONVILLE LLC	BB-1	39987
THOMAS 1	RANDOM LAKE VILLAGE	TH-1	105226

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

3. The following fields are prohibited from receiving applications of manure or process wastewater:
   - 3M1 (outdated soil samples)
   - DD1 (default soil sample used)
   - DD2 (default soil sample used)
   - GARBISH 1 (insufficient soil samples)

- GARBISH 2 (outdated soil samples)
- GUTTMAN N 2 (outdated soil samples)
- GUTTMAN N 7 (outdated soil samples)
- GUTTMAN N 8 (outdated soil samples)
- GUTTMAN N 9 (outdated soil samples)
- HF- ARMSTON G 10-8 (outdated soil samples)
- HF- HEIMRLER L 14-1_2_3 (insufficient soil samples)
- HF- LUNDMAN 13-1 (outdated soil samples)
- HF- MERTZDO RF 14-7_8 (outdated soil samples)
- HF-BIEVER 12-2 (insufficient soil samples)
- HF-DEPIES 3-1 (outdated soil samples)
- HF-JUSTIN 10-5_6 (insufficient soil samples)
- HF-JUSTIN 10-7 (outdated soil samples)
- HF-JUSTIN 11-5_6 (insufficient soil samples)
- HF-JUSTIN 11-5_6 (outdated soil samples)
- HF-JUSTIN 11-8 (outdated soil samples)
- HF-OLSEN 15-1_2 (outdated soil samples)
- HF-RICK 1-10 (default soil sample used)
- HF-RICK LEIDER 11-7 (outdated soil samples)
- JANESHEK (outdated soil samples)
- LEWIS 1 (outdated soil samples)
- LL-20_22 (insufficient soil samples)
- LL-4_7 (insufficient soil samples)
- MEYER FARM (outdated soil samples)
- MM1 (default soil sample used)
- MM2 (default soil sample used)
- PAUL MUELLER 8 (insufficient soil samples)
- SCHWINN 3 (default soil sample used)
- SW1 (insufficient soil samples)
- THEUSCH 1 (outdated soil samples)
- THEUSCH 2 (outdated soil samples)
- THEUSCH 3 (outdated soil samples)
- THEUSCH 4 (outdated soil samples)

If Golden E 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.

4. If existing fields yield a soil test results equal to or greater than 200 ppm P, those fields would be prohibited from receiving manure or process wastewater applications, unless you obtain Department approval in accordance with NR 243.14(5)(b)2., Wis. Adm. Code.

5. All liquid manure samples collected may be analyzed, at a minimum, for percent dry matter, total nitrogen, percent NH_4-N, percent NO_3-N, phosphorus, potassium, and sulfur.

6. If manure sample results have a dry matter (DM) content less than 2.0% and the percent ammonium (NH_4^+) is greater than 75% of the total N, Golden E Dairy LLC may use the following equation to adjust the first year available nitrogen when applications are injected or incorporated within 1 hour:

$$\text{First-Year Available N} = NH_4\text{-N} + [0.25 \times (\text{Total N} - NH_4\text{-N})]$$

7. Golden E Dairy LLC shall record daily manure applications by using form "Manure Record of Application". These forms shall be retained at the farm and provided to the department upon request.

8. Golden E 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 the annual spreading report generated by SnapPlus.

WINTER SPREADING

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

10. The following field(s) are approved for emergency applications of solid manure, liquid manure, and frozen liquid manure:
    - Home Farm 2 South
    - Home Farm 4-5

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. The following headland stacking sites are not approved due to shallow groundwater:
    - TSS (Home Farm 1)

MANURE & PROCESS WASTEWATER IRRIGATION

15. Irrigation of manure or process wastewater is prohibited.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

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

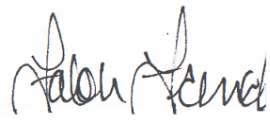
17. The farm is required to take a minimum number of manures samples to meet permit requirements as follows:
    - Solid Manure: One solid sample per source on a quarterly basis when hauling occurs.
    - Liquid Manure: Two liquid samples per source on a monthly basis when hauling occurs.

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

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

If you have any questions regarding this approval I can be reached at (608) 228-5265 or Falon.French@Wisconsin.gov.

Sincerely,



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

cc: Patrick Roach, Roach & Associates, LLC (pat@jmroach.com)
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Paul Backhaus, Washington County (paul.backhaus@washcowisco.gov)
File

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

Tony Evers, Governor
Karen Hyun, Ph.D., Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
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March 3, 2026

FILE REF: R-2025-0298
WPDES Permit #: WI-0064602

Chris Elbe
Golden E Dairy LLC
8262 Orchard Valley Road
West Bend, WI 53090

Subject: Days of Storage Review for Golden E Dairy LLC SE¼ of T12N, R20E, Section 22 in Farmington Township, Washington County – NO ADDITIONAL ACTION REQUIRED

Dear Chris Elbe:

This letter is to inform you that the Wisconsin Department of Natural Resources (Department) has completed its review of the calculation of days of storage submitted under certification by Patrick Roach, Roach & Associates, LLC on December 10, 2025, with revisions received on February 19, 2026 on behalf of Golden E Dairy LLC.

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

Days of Available Liquid Waste Storage: The submitted information states that Golden E Dairy LLC will have 220 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 4,841. The farm is proposing to expand animal units from 4,841 to 6,045. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. All runoff up to the 25-year, 24-hour storm is collected in WSF1, and all runoff up to the 25-year, 24-hour storm is collected from the solid stacking area in WSF2. Feed storage area runoff and process wastewater are stored and managed separately and not included in the days of storage calculations.

Existing Conditions

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure and Bedding	22,088,224
Parlor Wastewater	5,416,600
Net Precipitation on Storage Surface(s)	3,429,258
Stacking Pad Runoff Collected	288,119
TOTAL:	**31,222,201**

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	18,428,614	520,713	516,070		1,292,077	16,099,754
#2	7,082,086		320,403	41,965	695,489	6,024,229
					Total MOL Vol:	22,123,983
					Days of Storage:	**259**

Proposed Conditions

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure and Bedding	27,581,800
Parlor Wastewater	5,416,600
Net Precipitation on Storage Surface(s)	3,429,258
Stacking Pad Runoff Collected	288,119
TOTAL:	**36,715,777**

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	18,428,614	520,713	516,070		1,292,077	16,099,754
#2	7,082,086		320,403	41,965	695,489	6,024,229
					Total MOL Vol:	22,123,983
					Days of Storage:	**220**

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

Ariana Somma
CAFO Review Engineer Intern
Watershed Management Program

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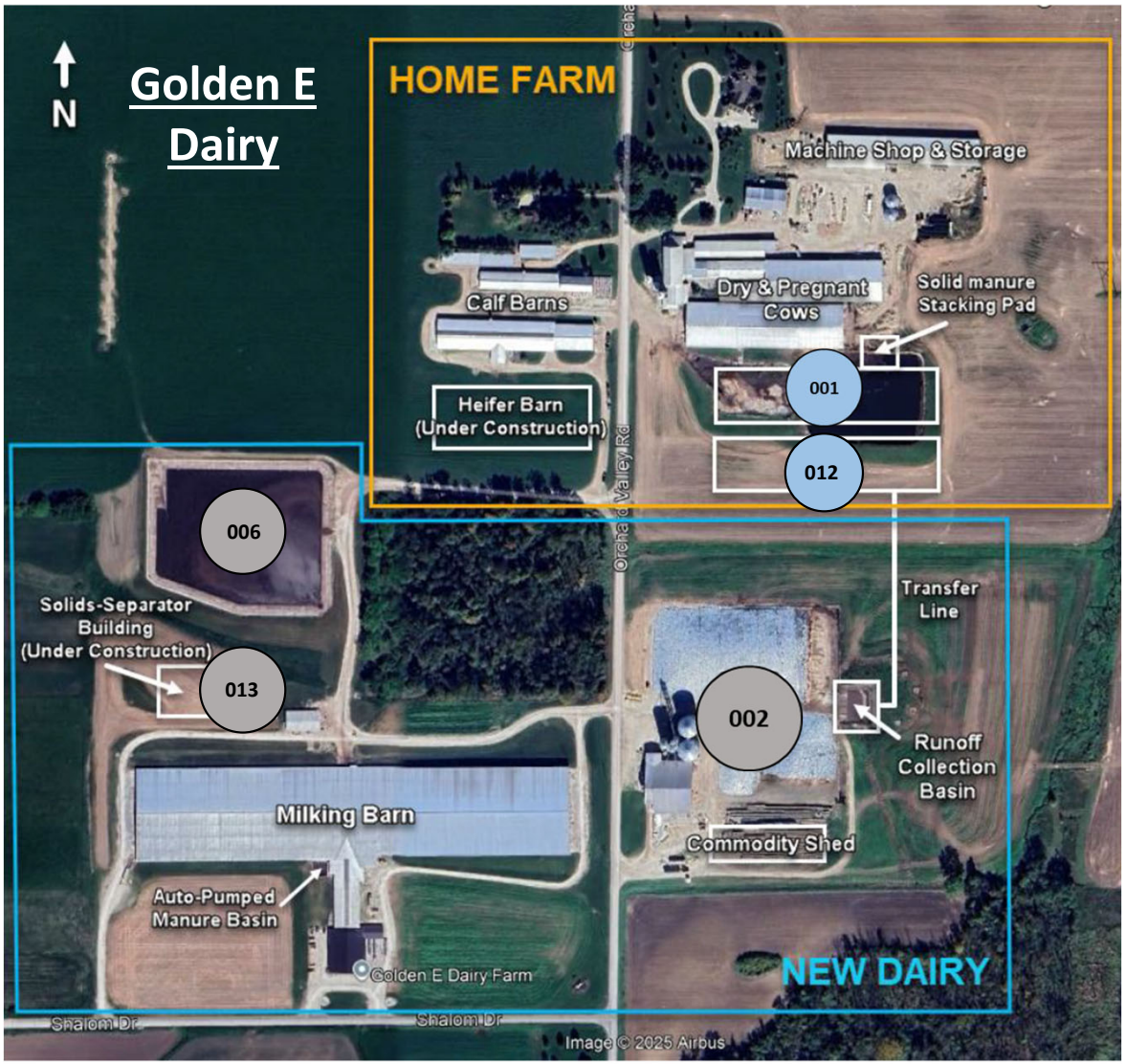
Ariana Somma; DNR, Central Office
ariana.somma@wisconsin.gov



Sample Points – New Dairy

- 006 — WSF 1
- 013 — Separated Solids
- 002 — Feed Storage Area & Runoff Controls

Sample Points – Home Farm

- 001 — WSF 2
- 012 — WSF 3

Sample Points – Facility Wide

- 004 — Headland Stacking Solids
- 003 — Solid Manure
- 008 — Settled Solid Manure
- 009 — Storm Water Runoff Control System