

Permit Fact Sheet

General Information

Permit Number	WI-0067465-01-0
Permittee Name and Address	Wenzel Hilltop Dairy LLC N6414 Riemer Road, Hilbert, WI 54129
Permitted Facility Name and Address	Wenzel Hilltop Dairy LLC N6414 Riemer Road Hilbert
Permit Term	May 01, 2025 to April 30, 2030
Discharge Location	North Branch of the Manitowoc River Watershed, groundwaters of the state

Animal Units					
	Current AU		Proposed AU (Note: If all zeroes, expansions are not expected during permit term)		
	Mixed	Individual	Mixed	Individual	Date of Proposed Expansion
Animal Type					
Dairy Calves (under 400 lbs.)	1	0	0	0	
Milking and Dry Cows	1540	1573	0	0	
Heifers (800 lbs. to 1200 lbs.)	33	30	0	0	
Total	1574	1573	0	0	

Facility Description

Wenzel Hilltop Dairy is a Concentrated Animal Feeding Operation (CAFO) owned and operated by Kevin and Jessica Wenzel. It currently has 1,574 animal units (1100 milking & dry cows, 30 heifers, and 5 calves). Based on current herd size, Wenzel Hilltop Dairy has approximately 483 days of liquid waste storage. Wenzel Hilltop Dairy generates 14,447,752 gallons of liquid manure and 21.1 tons of solid waste annually and currently has 2,305.2 acres (675.8 owned and 1,629.4 controlled through contracts, rental agreements or leases, or under manure agreements) of which 2,251.9 are spreadable acres.

Substantial Compliance Determination

Enforcement During Last Permit: None

After a desk top review of all land application reports, compliance schedule items, and a site visit on July 11, 2022, this facility has been found to be in substantial compliance with their current permit.

Compliance determination made by Holly Stegemann on March 13, 2025.

Sample Point Designation For Animal Waste	
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)
001	WSF 1 (Liquids) - Sample point 001 is for liquid manure and process wastewater that is land applied from waste storage facility 1 (WSF 1) located on the North side of Riemer Road. WSF 1 is a concrete lined facility that was constructed in 2014 and is part of a three-cell storage system. The facility has a maximum operating level capacity of 6,440,992 gallons. This storage accepts manure and process wastewater from freestall barns and milking parlor.
002	WSF 2 (Liquids) - Sample point 002 is for liquid manure and process wastewater that is land applied from waste storage facility 2 (WSF 2) located on the North side of Riemer Road. WSF 2 is an earthen lined facility that was constructed in 2014 and is part of a three-cell storage system. This storage accepts manure and process wastewater from WSF 1 and has a maximum operating level capacity of 6,109,342 gallons.
003	WSF 3 (Liquids) - Sample point 003 is for liquid manure and process wastewater that is land applied from waste storage facility 3 (WSF 3) located on the North side of Riemer Road. WSF 3 is an earthen lined facility that was constructed in 2014 and is part of a three-cell storage system. This storage accepts manure and process wastewater from WSF 1 and WSF 2 and has a maximum operating level capacity of 5,520,010 gallons.
004	WSF 4 (Liquids) - Sample point 004 is for liquid manure and process wastewater that is land applied from waste storage facility 4 (WSF 4) located on the South side of Riemer Road. WSF 4 is an earthen lined facility that was constructed in 1981 and accepts leachate and process wastewater from the feed storage area. The facility has a maximum operating level capacity of 1,028,951 gallons. An engineering evaluation shall be submitted according to the permit schedules section.
005	WSF (Solids) - Sample point 005 is for manure solids land applied from waste storage facilities 1-4. These facilities are described in sample points 001, 002, 003, and 004 respectively. Representative samples shall be taken from each waste storage facility when land application occurs.
006	Miscellaneous Solids - Sample point 006 is for any miscellaneous solid manure directly land applied and not stored in a waste storage facility. This includes calf hutch manure, maternity pen bedpack, heifer bedpack, and any solids removed from the digester. Representative samples shall be taken for each manure source type.
007	Concrete Outdoor Lot - Sample point 007 is for visual monitoring and inspection of the concrete feedlot and associated runoff control system located on the South side of Riemer Road. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring and inspection program.
008	Animal Outdoor Vegetated Area - Sample point 008 is for visual monitoring and inspection of animal outdoor vegetated areas located south of Riemer Road. Proper operation and maintenance is required to ensure sufficient vegetative cover, as defined in s. NR 243.03 is sustained. Quarterly inspections are required and shall be recorded according to monitoring program.
009	Feed Storage Area - Sample point 009 is for visual monitoring and inspection of the feed storage area and associated runoff control system. Leachate and runoff is collected and pump to WSF 4, runoff is also treated with a vegetated treatment area. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring and inspection program.
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

Sample Point Designation For Animal Waste		
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)	
	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 and inspection program.	

1 Livestock Operations - Proposed Operation and Management

Production Area Discharge Limitations

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

Runoff Control

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

Manure and Process Wastewater Storage

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

The permittee currently has approximately 483 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 1,574 animal units (1100 milking & dry cows, 30 heifers, and 5 calves), it is estimated that approximately 14,447,752 gallons of manure and process wastewater will be produced per year. The permittee owns *approximately* 675.8 acres of cropland and rents about 1,629.4. Given the rotation commonly used by the permittee, 2,251.9 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.

Monitoring and Sampling Requirements

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

Sampling Points

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

1.1 Sample Point Number: 001- WSF 1 (Liquids); 002- WSF 2 (Liquids); 003- WSF 3 (Liquids); 004- WSF 4 (Liquids)

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

1.1.1 Changes from Previous Permit

Sample point language has been updated to more accurately reflect the production area.

1.1.2 Explanation of Operation and Management Requirements

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

1.2 Sample Point Number: 005- WSF (Solids); 006- Miscellaneous 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	

1.2.1 Changes from Previous Permit

Sample point language has been updated to more accurately reflect the production area.

1.2.2 Explanation of Operation and Management Requirements

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

1.3 Sample Point Number: 007- Concrete Outdoor Lot; 008- Animal Outdoor Vegetated Area; 009- Feed Storage Area, and 010- Stormwater

1.3.1 Changes from Previous Permit

Sample point language has been updated to more accurately reflect the production area.

1.3.2 Explanation of Operation and Management Requirements

Proper operation and maintenance are required to ensure unlawful discharges to waters of the state do not occur. Weekly or quarterly inspections are required and shall be recorded according to the monitoring plan.

2 Schedules

2.1 Emergency Response Plan

Required Action	Due Date
Develop Emergency Response Plan: Develop a written Emergency Response Plan within 30 days of permit coverage, and submit to the department.	06/01/2025

Explanation of Schedules

Schedule 2.1 is included in the permit as a general permit requirement.

2.2 Monitoring & Inspection Program

Use of the department's monitoring and inspection program template is encouraged, but optional.

Required Action	Due Date
Proposed Monitoring and Inspection Program: Consistent with the monitoring and sampling requirements subsection, the permittee shall update and submit a proposed monitoring and inspection program within 60 days of the effective date of this permit.	07/01/2025

Explanation of Schedules

Schedule 2.2 is included in the permit as a general permit requirement.

2.3 Annual Reports

Submit annual reports by January 31 of each year in accordance with the annual reports subsection in standard requirements.

Required Action	Due Date
Submit Annual Report #1: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2026
Submit Annual Report #2: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2027
Submit Annual Report #3: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2028
Submit Annual Report #4: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2029
Submit Annual Report #5: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2030
Ongoing Annual Reports: Continue to submit Annual Reports until permit reissuance has been completed.	

Explanation of Schedules

Schedule 2.3 is included in the permit as a general permit requirement.

2.4 Nutrient Management Plan

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

Required Action	Due Date
Management Plan Submittal: Submit any necessary updates to the Nutrient Management Plan to meet the conditions outlined in this permit (see conditions in the Livestock Operational and Sampling Requirements section).	
Submit NMP Update #1: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2026
Submit NMP Update #2: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2027
Submit NMP Update #3: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2028
Submit NMP Update #4: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2029
Submit NMP Update #5: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2030
Ongoing Management Plan Annual Updates: Continue to submit Annual Updates to the Nutrient Management Plan until permit reissuance has been completed.	

Explanation of Schedules

Schedule 2.4 is included in the permit as a general permit requirement.

2.5 Manure Storage Facility - Engineering Evaluation

Applicable to WSF 4, Sample Point 004.

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.)	06/01/2026
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.	12/31/2026
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

Explanation of Schedules

Schedule 2.5 is included in the permit to evaluate WSF 4.

2.6 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	09/01/2029

Explanation of Schedules

Schedule 2.6 is included in the permit as a general permit requirement.

Other Comments

None

Attachments

Plan Approval Letter(s)

- Reissuance Inspection Report – July 11, 2022
- Conditional Nutrient Management Plan Approval – February 13, 2025
- Days of Storage Review Letter – November 25, 2024

Justification Of Any Waivers From Permit Application Requirements

n/a

Prepared By: Holly Stegemann

Agricultural Runoff Management Specialist

Date: 03/13/2025

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Oshkosh Service Center
625 East County Road Y, STE 700
Oshkosh WI 54901-9731

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



August 10, 2022

Kevin Wenzel
Wenzel Hilltop Dairy LLC
N6414 Riemer Rd
Hilbert, WI 54129

WPDES Permit No. WI- 0063274-01-0
Calumet County

Subject: Permit Reissue Application Reminder and Walkover Inspection Report

Dear Mr. Wenzel:

On July 11, 2022 the department conducted a walkover inspection of your dairy, Wenzel Hilltop Dairy. Results and photos are included in the enclosed report.

Wenzel Hilltop Dairy is currently covered under an expired WPDES general permit # WI-0063274-01-0. A permit reissuance application has been requested by **February 1, 2023**.

Page 16 of the enclosed report includes a detailed list of “materials required as part of the permit application” to be completed. Review this section carefully.

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

Sincerely,

Bethani Chambers
Agricultural Runoff Management Specialist

Enclosure: Wenzel Hilltop Dairy Permit Reissuance Inspection Report

Electronic CC:
Joe Baeten, Holly Stegemann, Tony Salituro- DNR
Calumet County LCD
Doug Kapral – Kapral Agronomy LLC

CAFO Compliance Report 8/10/2022

Inspection Date: 7/11/2022

Inspection Type: Reissuance Inspection

Operation Name: Wenzel Hilltop Dairy

WPDES Permit No. General Permit WI-0063274-01-0

Operation Address: N6414 Riemer Road Hilbert, WI 54129

On-Site Representative(s): Kevin Wenzel: Operator/ Facility Manager

DNR Staff / Report Writer: Bethani Chambers: Agricultural Runoff Management Specialist



On June 11, 2022, Chambers and Holly Stegemann met with Kevin Wenzel on the north side of Wenzel Hilltop Dairy to conduct a permit reissuance inspection, intended to convert the farm's current permit from a general permit (GP) to an individual permit (IP). Others in attendance included other farm staff. All facilities currently covered under Wenzel Hilltop Dairy WPDES permit were inspected. Conditions during the inspection were warm and dry. Overall, Wenzel Hilltop Dairy was found to be in substantial compliance.

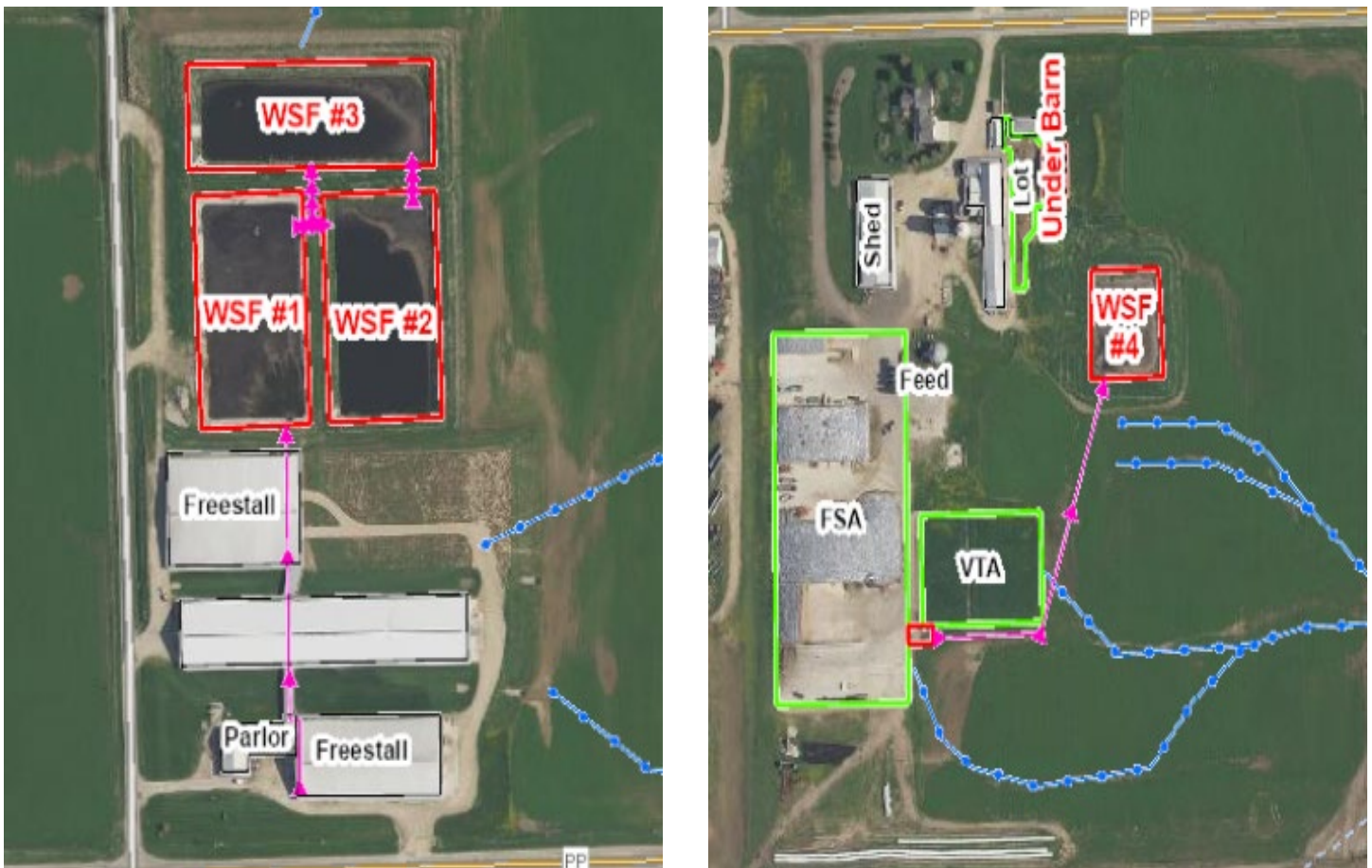


Figure 1. Aerial overview of Wenzel Hilltop Dairy in relation to surface water features. Pink arrows indicate manure transfer systems.



Figure 2. Aerial overview of Wenzel Hilltop Dairy.

SITE OBSERVATIONS

Feedlot Runoff

Wenzel Hilltop Dairy utilizes one concrete feedlot on the south site of the facility located northeast of the existing feed storage area. Lot is scraped as needed with waste being stored in permanent storage or directly land applied. Rain gutters have been installed on the adjacent barns to prevent the mixing of clean water with lot runoff. Concrete curbing is in place to keep contaminated runoff contained to the lot. Overall, the lot is in good condition and in compliance with permit regulations.



Photo #:	001
Date/ Time:	7/11/2022 / 10:57 AM
Photo Location:	Outdoor Lot
Photo By:	Bethani Chambers

Photo Description: View of the outdoor lot on the south side of CTH PP. No runoff was observed.

Photo Direction: NE



Photo #:	002
Date/ Time:	7/11/2022 / 11:01 AM
Photo Location:	Outdoor Lot
Photo By:	Bethani Chambers

Photo Description: View of the outdoor lot and barn.

Photo Direction: SE

Waste Storage Facilities

Manure and process wastewater is approved to be stored in four waste storage facilities.

WSF 1 is a concrete lined waste storage facility constructed in 2014, located on the west side of the northern site. WSF 1 accepts manure and process wastewater from the parlor, free stall barns, and serves as the first cell of a three-celled system. Waste from this storage can be manually directed into either WSF 2 or WSF 3 as needed. At the time of inspection, required fencing and permanent markers were observed.

WSF 2 is an earthen lined waste storage facility with concrete agitation pads and scour protection constructed in 2014 located to the east of WSF 1. WSF 2 accepts process wastewater and manure runoff from WSF 1. At the time of inspection, required fencing and permanent markers were observed.

WSF 3 is an earthen lined waste storage facility with concrete agitation pads and scour protection constructed in 2014 located to the north of WSF 1 and WSF 2. WSF 3 accepts process wastewater and manure runoff from WSF 1. At the time of inspection, required fencing and permanent markers were observed.

WSF 4 is an earthen lined waste storage facility constructed in 1981, located on the west side of the southern site. WSF 4 accepts process wastewater from the feed storage area. At the time of inspection, required fencing and permanent markers were observed.

WSF 1 – 4 were last evaluated in 2015 and were determined to be in compliance with permit requirements. Solid and liquid waste storage facilities appear managed to not have current or past indicators of discharges.



Photo #:	003
Date/ Time:	7/11/2022 / 11:05 AM
Photo Location:	WSF 1
Photo By:	Bethani Chambers

Photo Description: View of concrete lined WSF 1. Pile of solid manure, stacked within storage boundaries is circled in red. Inlet from adjacent buildings circled in yellow.

Photo Direction: SE



Photo #:	004
Date/ Time:	7/11/2022 / 11:13 AM
Photo Location:	WSF 1
Photo By:	Bethani Chambers

Photo Description: Concrete lined WSF 1, inlet from adjacent buildings circled in yellow.

Photo Direction: SE



Photo #:	005
Date/ Time:	7/11/2022 / 11:13 AM
Photo Location:	WSF 2
Photo By:	Holly Stegemann

Photo Description: Earthen lined WSF 2, with concrete agitation pads. Inlet from WSF 1 circled in yellow.

Photo Direction: NE



Photo #:	006
Date/ Time:	7/11/2022 / 11:13 AM
Photo Location:	WSF 2
Photo By:	Bethani Chambers

Photo Description: View of permanent markers in WSF 2, circled in yellow.

Photo Direction: NE



Photo #:	007
Date/ Time:	7/11/2022 / 11:11 AM
Photo Location:	WSF 3
Photo By:	Bethani Chambers

Photo Description: Earthen lined WSF 3, with concrete agitation pads.

Photo Direction: NE



Photo #:	008
Date/ Time:	7/11/2022 / 11:11 AM
Photo Location:	WSF 3
Photo By:	Bethani Chambers

Photo Description: View of permanent markers in WSF 3, circled in yellow.

Photo Direction: NE



Photo #:	009
Date/ Time:	7/11/2022 / 10:41 AM
Photo Location:	WSF 4
Photo By:	Bethani Chambers

Photo Description: Earthen lined
WSF 4.

Photo Direction: E



Photo #:	010
Date/ Time:	7/11/2022 / 10:41 AM
Photo Location:	WSF 4
Photo By:	Bethani Chambers

Photo Description: View of feed
storage area runoff inlet into WSF
4.

Photo Direction: NE

Feed Storage Area Runoff

All feed is kept on concrete under plastic on a designated feed pad, located on the south site. The edge of the pad is pitched to keep runoff contained to the feed storage area. Runoff flows towards a concrete basin and pump on the east side of the pad. First flush runoff is conveyed to WSF 4, with additional runoff directed towards an adjacent VTA. The VTA appeared to be in sufficient vegetation and operating as intended. Hay bales used for bedding present on site.

Feed storage area and runoff controls were last evaluated in 2015 and were determined to be in compliance with permit requirements.

Feed storage area runoff controls appear managed to not have current or past indicators of discharges



Photo #:	011
Date/ Time:	7/11/2022 / 10:41 AM
Photo Location:	Feed Storage Area
Photo By:	Bethani Chambers

Photo Description: View of feed on the concrete feed storage pad.

Photo Direction: W



Photo #:	012
Date/ Time:	7/11/2022 / 10:48 AM
Photo Location:	Feed Storage Area
Photo By:	Bethani Chambers

Photo Description: View of feed on the concrete feed storage pad, and flow channel denoted by yellow arrow.

Photo Direction: N



Photo #:	013
Date/ Time:	7/11/2022 / 10:47 AM
Photo Location:	Feed Storage Area
Photo By:	Holly Stegemann

Photo Description: View of feed on the concrete feed storage pad, and flow channel denoted by yellow arrow.

Photo Direction: NW



Photo #:	014
Date/ Time:	7/11/2022 / 10:46 AM
Photo Location:	Feed Storage Area
Photo By:	Bethani Chambers

Photo Description: Pump used as part of FSA runoff controls.

Photo Direction: W



Photo #:	015
Date/ Time:	7/11/2022 / 10:46 AM
Photo Location:	FSA Basin
Photo By:	Bethani Chambers

Photo Description: Concrete basin used as part of the FSA runoff controls.

Photo Direction: W



Photo #:	016
Date/ Time:	7/11/2022 / 10:47 AM
Photo Location:	FSA VTA
Photo By:	Bethani Chambers

Photo Description: Close up of FSA VTA spreader bar.

Photo Direction: N



Photo #:	017
Date/ Time:	7/11/2022 / 10:47 AM
Photo Location:	FSA VTA
Photo By:	Holly Stegemann

Photo Description: FSA VTA and spreader bar.

Photo Direction: N



Photo #:	018
Date/ Time:	7/11/2022 / 10:49 AM
Photo Location:	Bedding Storage
Photo By:	Bethani Chambers

Photo Description: View of hay bales used for storage.

Photo Direction: S



Photo #:	019
Date/ Time:	7/11/2022 / 10:50 AM
Photo Location:	WSF FSA
Photo By:	Bethani Chambers

Photo Description: Backside of FSA. Area kept clean.

Photo Direction: N

Animal Mortality Disposal

Mortalities are kept in a designed area and are picked up as needed by OJ Krull. Animal mortalities are managed to not have current or past indicators of discharges.

Ancillary Service Areas

Clean water diversions are in place to divert clean water, including gutters on buildings. No indications of past discharges were observed.



Photo #:	020
Date/ Time:	7/11/2022 / 10:57 AM
Photo Location:	Ancillary Area
Photo By:	Bethani Chambers

Photo Description: Gutter on building located on site.

Photo Direction: NE



Photo #:	021
Date/ Time:	7/11/2022 / 10:58 AM
Photo Location:	Ancillary Area
Photo By:	Holly Stegemann

Photo Description: Gutter on building located on site.

Photo Direction: SW

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

SUMMARY

Substantial Compliance

The permittee is in substantial compliance with the permit.

Permit Noncompliance

None

Areas of Concern

None

Action Items

None

Items for Next Permit Term

Switching from GP to IP, no additional requirements

Materials Required as part of the Permit Application Due 2/1/2023

Required materials must be submitted together as a complete permit application through the ePermitting System: <http://dnr.wi.gov/permits/water/>. The system will not allow you to electronically sign and submit your application until all of the following are included:

- 3400-025 form (Livestock/Poultry Operation WPDES Permit Application)
- 3400-025A form (Animal Units Calculation Worksheet)
- 3400-025G form (Evaluated Facilities of Systems Checklist)
- 3400-025C form (Reviewable Facilities of Systems Checklist)
- A soil survey map of the dairy's production area
- A labeled aerial map showing the existing and proposed features and structures of the dairy's production area
- Calculations documenting days liquid manure and process wastewater storage
- Supporting documentation for days storage calculations
- A complete 5-year Nutrient Management Plan (NMP). If necessary, include a description of permanent spray irrigation systems and any other landspreading or treatment systems (proposed or active)
- Plans and specifications for any proposed facilities



February 13, 2025

Calumet County
Approval

Kevin Wenzel
Wenzel Hilltop Dairy LLC
N6414 Riemer Road
Hilbert, WI 54129

SUBJECT: Conditional Approval of Wenzel Hilltop Dairy LLC Nutrient Management Plan, WPDES Permit No. 0067465-01-0

Dear Kevin Wenzel:

After completing a review of Wenzel Hilltop 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 Wenzel Hilltop 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 1574 animal units (1100 milking & dry cows, 30 heifers, and 5 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 14,447,752 gallons of manure and process wastewater and 21.1 tons of solid manure in the first year of the permit term.
3. The use of application restriction options 1 and 5 within surface water quality management areas.
4. The use of phosphorus delivery method P Index.
5. That Wenzel Hilltop Dairy LLC currently has 2,305.2 acres (675.8 owned and 1,629.4 controlled through contracts, rental agreements or leases, or under manure agreements) of which 2,251.9 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 Wenzel Hilltop 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 until sufficient soil samples can be taken:
 - Hedrich Gei 1
 - Stache 4

If Wenzel Hilltop 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, Wenzel Hilltop 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. Wenzel Hilltop Dairy LLC shall record daily manure applications by using form 3200-123A.
7. Wenzel Hilltop 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 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:
 - WHD 03
 - WHD 04-05
 - WHD 32
 - WHD 58-59
10. 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.

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

13. No headland stacking sites are approved.

MANURE & PROCESS WASTEWATER IRRIGATION

14. Irrigation of manure or process wastewater is prohibited.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

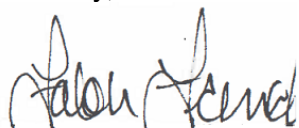
15. A copy of this conditional approval shall be included in all future annual Nutrient Management Plan Updates in addition to the NR 243 and NRCS 590 checklists.

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 (608) 228-5265 or Falon.French@Wisconsin.gov.

Sincerely,



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

cc: Holly Stegemann, WDNR Agricultural Runoff Management Specialist (Holly.Stegemann@wisconsin.gov)
Joe B Baeten, WDNR Agricultural Runoff Supervisor (Joseph.Baeten@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)
Ashley Scheel, WDNR CAFO Nutrient Management Plan Reviewer (Ashley.Scheel@Wisconsin.gov)
Tabatha Davis, WDNR CAFO Engineer (tabatha.davis@wisconsin.gov)
Tony Reali, Calumet County (reali.anthony@co.calumet.wi.us)
Douglas Kapral, Kapral Agronomy Consulting, LLC (doug@kapralagronomy.com)
File



November 25, 2024

FILE REF: R-2024-0267
 WPDES Permit #: WI-0063274

Kevin Wenzel
 Wenzel Hilltop Dairy LLC
 N6414 Riemer Road
 Hilbert, WI 54129

Subject: Days of Storage Review for Wenzel Hilltop Dairy LLC, NE¼ of T19N, R20E, Section 16 in 19 Township, Rantoul County – NO ADDITIONAL ACTION REQUIRED

Dear Kevin Wenzel:

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 P.E., Roach & Associates, LLC on September 30, 2024 on behalf of Wenzel Hilltop 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 Wenzel Hilltop Dairy LLC has 483 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 1570. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. Feed Storage Area Leachate and 0.05 inches of first flush is collected in permanent waste storages. Additional runoff from the feed storage area is directed to the operation’s vegetative treatment area.

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	7,685,534	514,684	199,716		530,212	6,440,922
#2	7,378,413	537,164	201,147		530,760	6,109,342
#3	6,536,890	311,119	193,461		512,300	5,520,010
#4	1,394,343	136,509	63,340		165,543	1,028,951
Total MOL Vol:						19,099,225
Days of Storage:						483

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure and Bedding	8,439,731
Parlor Wastewater	2,831,888
Feed Storage Leachate	81,996
Feed Storage Runoff Collected	92,213
Net Precipitation on Storage Surface(s)	3,001,924
TOTAL:	14,447,752

Should you have any questions, please contact Tabby Davis, DNR Madison office or your regional CAFO Specialist.

NOTICE OF APPEAL RIGHTS

If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to WIS. STAT. §§ 227.52 and 227.53, you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to WIS. STAT. § 227.42, you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. All requests for contested case hearings must be made in accordance with WIS. ADMIN. CODE § NR 2.05(5), and served on the Secretary in accordance with WIS. ADMIN. CODE § NR 2.03. The filing of a request for a contested case hearing does not extend the 30-day period for filing a petition for judicial review.

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES



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



Tabby Davis
CAFO Review Engineer
Watershed Management Program

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