

Permit Fact Sheet

General Information

Permit Number	WI-0061620-05-0
Permittee Name and Address	Holsum Dairies LLC N5701 Irish Rd, Hilbert, WI 54129
Permitted Facility Name and Address	Holsum Dairies LLC N5701 Irish Rd Chilton
Permit Term	December 01, 2025 to October 30, 2030
Discharge Location	Unnamed tributaries withing the Killsnake River, North Branch of the Manitowoc River, South Branch of the Manitowoc River, and groundwaters of the state
Discharge Type	Existing

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.)	240	0	900		2029
Milking and Dry Cows	12040	12298	13565		2029
Heifers (400 lbs. to 800 lbs.)	1020	1700	1200		2029
Heifers (800 lbs. to 1200 lbs.)	1870	1700	0		2029
Total	15170	12298	20164		2029

Facility Description

Holsum Dairies is a Concentrated Animal Feeding Operation (CAFO) operated by Brent Cousin. It currently has 15,434 animal units with a proposed herd size of 20,164 animal units. Based on current herd size, Holsum Dairies has approximately 865 days of liquid waste storage. Holsum Dairies currently generates 154,178,884 gallons of liquid manure and 4,008 tons of solid waste annually. Once full expansion is reached, Holsum Dairies is expected to generate 210,881,191 gallons of liquid manure and 5,255 tons of solid waste annually. Holsum Dairies has a total of 25,578.3 acres available for land application of manure and process wastewater. Of this acreage, 24,885.2 are spreadable, 2,670.1 are owned, and 22,908.2 are rented or controlled through contracts.

Substantial Compliance Determination

Enforcement During Last Permit: Two notices of noncompliance (NONs) were issued during the last permit term. One for a land application issue and one for failing to submit a complete permit reissuance application.

After a desk top review of all permit application materials, compliance schedule items, and a site visit on 9/30/2025, this facility has been found to be in substantial compliance with their current permit.

Compliance determination made by Holly Stegemann on 10/16/2025.

Sample Point Descriptions

Sample Point Designation For Animal Waste		
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)	
001	Irish North: Sample point 001 is for liquid waste storage facility Irish North, located at Holsum Irish. Irish North is an in-place earthen storage located on the northwest side of the production site. The facility has a maximum operating level of 20,072,581 gallons and was constructed in 2001. Irish North accepts manure and process wastewater from Irish South.	
002	Irish South: Sample point 002 is for liquid waste storage facility Irish South, located at Holsum Irish. Irish South is an in-place earthen storage that is located south of Irish North. The facility has a maximum operating level of 20,072,581 gallons and was constructed in 2001. Irish South accepts manure and process wastewater from the digesters.	
003	Irish Solid Stacking Pads: Sample point 003 is for dried and separated manure solids that are stacked on concrete pads at Holsum Irish. One stacking pad is located east of Irish South and one west of Irish South. The stacking pads were built in 2024 and 2016, respectively. Runoff from these pads is directed to Irish South. Use this sample point to track manure solid nutrients that are directly land applied from the stacking pads if not reused for bedding.	
004	Elm Pond 1: Sample point 004 is for liquid waste storage facility Elm Pond 1, located at Holsum Elm. Elm Pond 1 is a liquid-tight concrete storage located west of the freestall barns. The facility has a maximum operating level of 4,552,956 gallons and was modified in 2017. This storage accepts manure and process wastewater from the digesters.	
005	Elm Pond 2: Sample point 005 is for liquid waste storage facility Elm Pond 2, located at Holsum Elm. Elm Pond 2 is a liquid-tight concrete storage located north of the freestall barns, west of WSF 5. The facility has a maximum operating level of 26,967,859 gallons and was modified in 2017. This storage accepts manure and process wastewater from Elm Pond 1.	
006	Elm Pond 3: Sample point 006 is for liquid waste storage facility Elm Pond 3, located at Holsum Elm. Elm Pond 3 is a liquid-tight concrete storage that has a maximum operating level of 18,803,120 gallons and was modified in 2017. This storage accepts manure and process wastewater from Elm Pond 2.	
010	Irish Feed Storage Area: Sample point 010 is for visual monitoring and inspection of the feed storage area and associated runoff control system located at Holsum Irish. Proper operation and maintenance is required to ensure discharges of process wastewater to waters of the state do not occur. Weekly inspections are required and shall be recorded according to monitoring program.	
011	Elm Feed Storage Area: Sample point 011 is for visual monitoring and inspection of the feed storage area and associated runoff control system located at Holsum Elm. Proper operation and maintenance is required to ensure discharges of process wastewater to waters of the state do not occur. Weekly inspections are required and shall be recorded according to monitoring program.	

Sample Point Designation For Animal Waste		
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)	
013	Elm Leachate Pond: Sample point 013 is for liquid waste storage facility Elm Leachate Pond, located at Holsum Elm. Elm Leachate Pond is an in-place earthen storage located north of the feed storage area. The facility has a maximum operating level of 200,107 gallons and was constructed in 2013. This storage accepts process wastewater from the adjacent feed storage area.	
014	Irish Leachate Pond: Sample point 014 is for liquid waste storage facility Irish Leachate Pond, located at Holsum Irish. Irish Leachate Pond is an in-place earthen storage located northeast of the feed storage area. The facility has a maximum operating level of 316,893 gallons and was modified in 2013. This storage accepts process wastewater from the adjacent feed storage area.	
015	Ditter Pit: Sample point 015 is for liquid waste storage facility Ditter Pit, located southeast of Holsum Elm. The Ditter Pit is an in-place earthen storage with concrete armoring. The facility has a maximum operating level of 794,000 gallons and was modified in 2016. The Ditter Pit accepts manure and process wastewater via transfer line from Elm Pond 1. Sampling is not required if a valid sample exists prior to manure transfer.	
016	Storm Water: Sample point 016 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.	
017	Settled Solid Manure: Sample point 017 is for any manure solids removed from bottom of all liquid waste storage facilities. This includes manure-laden sand solids, manure fiber solids, etc. Representative samples shall be taken from each waste storage facility.	
018	Miscellaneous Solid Manure: Sample point 018 is for solid manure sources that are directly land applied and not stored in a waste storage facility. This includes solid sources such as calf hutch manure, maternity pen bedpack, heifer bedpack, steer manure, etc. Representative samples shall be taken for each manure source type.	
019	Holsum Irish Digested Liquids: Sample point 019 is for all digested liquids located within the digester system at Holsum Irish. Manure is transferred from the existing animal barns to the digester. Solids are removed during the digestion process. After the digestion process is complete, liquids will then be transferred to Irish South. Sampling from within the digester tank(s) for nutrient content is only required if the liquids are to be manually pumped from the tank(s) and directly land applied.	
020	Holsum Elm Digested Liquids: Sample point 020 is for all digested liquids located within the digester system at Holsum Elm. Manure is transferred from the existing animal barns to the digester. Solids are removed during the digestion process. After the digestion process is complete, liquids will then be transferred to Elm Pond 1. Sampling from within the digester tank(s) for nutrient content is only required if the liquids are to be manually pumped from the tank(s) and directly land applied.	
021	Faro Springs 1-2: Sample point 021 is for liquid waste storage facility Faro Springs 1-2, located at Holsum Faro Springs. Faro Springs 1-2 is a two-celled in-place earthen storage, located west of the north feed storage area, north of the freestall barns. The facility has a maximum operating level of 4,588,030 gallons and was modified in 2009. This storage accepts manure and process wastewater from the adjacent barns.	

Sample Point Designation For Animal Waste		
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)	
022	Faro Springs 3: Sample point 022 is for liquid waste storage facility Faro Springs 3, located at Holsum Faro Springs. Faro Springs 3 is an in-place earthen storage that is located north of Faro Springs 2. The facility has a maximum operating level of 4,320,780 gallons and was constructed in 2009. This storage accepts manure and process wastewater from Faro Springs 1-2.	
023	Faro Springs 4: Sample point 023 is for liquid waste storage facility Faro Springs 4, located at Holsum Faro Springs. Faro Springs 4 is an in-place earthen storage that is located north of Faro Springs 3. The facility has a maximum operating level of 640,485 gallons and was constructed in 2014. This storage accepts process wastewater from the north feed storage area.	
024	Faro Springs 5: Sample point 024 is for liquid waste storage facility Faro Springs 5, located at Holsum Faro Springs. Faro Springs 5 is an in-place earthen storage that is located east of the north feed storage area, west of Faro Springs 6. The facility has a maximum operating level of 1,115,905 gallons and was constructed in 1977. This storage accepts manure and process wastewater from other storages on an as needed basis. Faro Springs 5 was last evaluated in 2017 and met permit requirements.	
025	Faro Springs 6: Sample point 025 is for liquid waste storage Faro Springs 6, located at Holsum Faro Springs. Faro Springs 6 is an in-place earthen storage that is located east of the north feed storage area, east of Faro Springs 5. The facility has a maximum operating level of 972,905 gallons and was constructed in 1977. This storage accepts manure and process wastewater from other storages on an as needed basis. Faro Springs 6 was last evaluated in 2017 and met permit requirements.	
026	Calf Barn Stacking Pad: Sample point 026 is for solid manure stored on the concrete calf barn stacking pad, located at Holsum Faro Springs. The facility was built in 2000. Runoff from the stacking pad is collected and stored in the Faro Springs Calf Barn WSF.	
027	Faro Springs Calf Barn WSF: Sample point 027 is for liquid waste storage facility Faro Springs Calf Barn, located at Holsum Faro Springs. Faro Springs Calf Barn WSF is an in-place earthen storage that is located west of the calf barn stacking pad and was constructed in 2009. The facility accepts manure and process wastewater from the adjacent calf barn stacking pad. Faro Springs Calf Barn WSF was last evaluated in 2017 and required further actions.	
028	Faro Springs Feed Storage Area: Sample point 028 is for visual monitoring and inspection of the feed storage areas and associated runoff control system located at Holsum Faro Springs. Proper operation and maintenance is required to ensure discharges of process wastewater to waters of the state do not occur. Weekly inspections are required and shall be recorded according to monitoring program.	
029	Separated Solids: Sample point 029 is for separated manure solids. These solids are typically reused as animal bedding and stored under roof. Separated solids may be distributed to another party according to Department approval and Distribution of Manure and Process Wastewater section of the permit.	
030	Central Leachate Pond: Sample point 030 is for liquid waste storage facility Central Leachate Pond, located at Holsum Central. Central Leachate Pond will be a liquid-tight concrete lined storage that will be located northeast of the proposed feed storage area. The facility will have a maximum operating level of 150,000 gallons and is currently under construction. This facility is designed to manage the 25-year, 24-hour storm with collected runoff pumped to a future onsite waste storage facility for long term storage. Until all facilities are constructed, collected runoff will be transferred to Faro Springs as needed.	
031	Central Feed Storage Area: Sample point 031 is for visual monitoring and inspection of the proposed feed storage area and associated runoff control system located at Holsum Central. Proper operation and	

Sample Point Designation For Animal Waste		
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)	
	maintenance is required to ensure discharges of process wastewater to waters of the state do not occur. Weekly inspections are required and shall be recorded according to monitoring program.	

Permit Requirements

1 Livestock Operations - Proposed Operation and Management

Production Area Discharge Limitations

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

Runoff Control

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

Manure and Process Wastewater Storage

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

The permittee currently has approximately 865 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 15,434 animal units (8,565 milking & dry cows, 3,600 heifers, and 1,300 calves), it is estimated that approximately 154,178,884 gallons of manure and process wastewater will be produced per year. The permittee owns *approximately* 2,670.1 acres of cropland and rents about 22,908.2. Given the rotation commonly used by the permittee, 24,885.2 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: 001- Irish North; 002- Irish South; 004- Elm Pond 1; 005- Elm Pond 2; 006- Elm Pond 3; 013- Elm Leachate Pond; 014- Irish Leachate Pond; 015- Ditter Pit; 019- Irish Digested Liquids; 020- Elm Digested Liquids; 021- Faro Springs 1-2; 022- Faro Springs 3; 023- Faro Springs 4; 024- Faro Springs 5; 025- Faro Springs 6; 027- Faro Springs Calf Barn WSF; 030- Central Leachate Pond

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 019, 020, 021, 022, 023, 024, 025, 027 and 030 were added to the permit. Sample point language was updated to more accurately describe the production area.

1.1.2 Explanation of Operation and Management Requirements

Manure must be properly stored, and land applied according to the permit and nutrient management plan.

1.2 Sample Point Number: 003- Irish Stacking Pad; 017- WSF Solids; 018- Miscellaneous Solid Manure; 026- Calf Stacking Pad; 029- Separated Manure 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	

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
Phosphorus, Available		lbs/ton	Quarterly	Calculated	
Solids, Total		Percent	Quarterly	Grab	

1.2.1 Changes from Previous Permit

Sample point 007 was removed. Sample points 017, 018, 026, and 029 were added. Sample point language was updated to more accurately describe the production site.

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: 010- Irish Feed Storage Area; 011- Elm Feed Storage Area; 016- Storm Water; 028- Faro Springs Feed Storage Area, and 031- Central Feed Storage Area

1.3.1 Changes from Previous Permit

Sample point 012 was removed. Sample points 016, 028, and 031 were added. Sample point language was updated to more accuracy describe the production area.

1.3.2 Explanation of Operation and Management Requirements

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

2 Schedules

2.1 Emergency Response Plan

Required Action	Due Date
Develop Emergency Response Plan: Update the written Emergency Response Plan within 30 days of permit coverage, available to the Department upon request.	01/01/2026

Explanation of Schedules

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

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.	01/01/2026

Explanation of Schedules

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

2.3 Annual Reports

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

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

Explanation of Schedules

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

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
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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

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

2.5 Manure Storage Facility - Engineering Evaluation

Application to sample points 021, 022, and 023; Faro Springs 1-2, Faro Springs 3, and Faro Springs 4 respectively.

Required Action	Due Date
Written Report: Submit a written report evaluating the existing manure storage facility's ability to meet the conditions in the Production Area Discharge Limitations and Manure and Process Wastewater Storage subsections and s. NR 243.15, Wis. Adm. Code. (See Standard Requirements for report details.)	12/31/2026
Plans and Specifications: Submit plans and specifications for Department review and approval in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code, to permanently correct any adverse manure storage conditions.	12/31/2027
Corrections and Post Construction Documentation: Complete construction on the manure storage facility that permanently corrects any adverse conditions in concurrence with and approval by the Department, by the specified Date Due. Submit post construction documentation within 60 days of completion of the project.	12/31/2028

Explanation of Schedules

Engineering evaluation of Faro Springs 1-2, Faro Springs 3, and Faro Springs 4 have been included per s. NR 243.16(2).

2.6 Manure Storage Facility - Abandonment

Applicable to sample points 024, 025, and 027; Faro Springs 5, Faro Springs 6, and Faro Springs Calf Barn WSF respectively.

Required Action	Due Date
Abandonment Plan: Submit abandonment plans for Faro Springs 5, Faro Springs 6, and Faro Springs Calf Barn manure storage facilities to the Department for approval in accordance with USDA Natural Resource Conservation Services Technical Guide, Section IV, Standard 360 outlining the proposed method of abandonment.	12/31/2026
Complete Abandonment: Complete abandonment as approved by the Department.	12/31/2027

Explanation of Schedules

Abandonment of Faro Springs 5, Faro Springs 6, and Faro Springs Calf Barn WSF have been included in lieu of engineering evaluations.

2.7 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	06/01/2030

Explanation of Schedules

Permit reissuance application is required to be submitted per NR 243.12(1)(d).

Other Comments

None

Attachments

Plan Approval Letter(s)

- Inspection Report – 09/30/2025
- Days of Storage Review Letter – 09/03/2025
- Conditional Nutrient Management Review Letter – 10/10/2025

Justification Of Any Waivers From Permit Application Requirements

No waivers requested or granted as part of this permit reissuance

Prepared By: Holly Stegemann

Agricultural Runoff Management Specialist

Date: 10/16/2025



September 9, 2025

Brent Cousin
Holsum Dairies
N5701 Irish Road
Hilbert, WI 54129

WPDES No. WI-0061620-04-1
Calumet County

Subject: Holsum Dairies Reissuance Inspection Report, September 4, 2025

Dear Mr. Cousin:

On September 4, 2025, the Department of Natural Resources conducted WPDES permit reissuance inspection of Holsum Dairies. All facilities covered by Holsum Dairies permit were inspected.

Narrative and photos are included in the enclosed report. Follow up action items are listed on page 10. Please review this section and complete items by the listed due dates.

If you have any questions regarding this letter or your WPDES permit requirements, please contact me at (920) 360-0794 or at holly.stegemann@wisconsin.gov.

Sincerely,

Holly Stegemann
Agricultural Runoff Management Specialist

Electronic copy:

John VandenBoom – Holsum Dairies
Anthony Reali - Calumet LCD
Douglas Kapral - Kapral Agronomy Consulting
Joe Baeten, Aaron O'Rourke, Jeremiah Schiefelbein - DNR

CAFO Compliance Report (09/09/2025)

Inspection Date: September 4, 2025

Inspection Type: Permit Reissue

Operation Name: Holsum Dairies

WPDES Permit No. WI-0061620-04-0



Operation Address: Irish: N5701 Irish Road, Hilbert, WI 54129
Elm: N6206 Elm Road, Hilbert, WI 54129
Ditter: N6033 County Road BB, Hilbert, WI 54129
Faro Springs: W2920 Faro Springs Road, Hilbert, WI 54129
Central: South of Faro Springs Road, North of Schneider Road, Hilbert 54129
(NE-SE, Sect.14, T19N, R19E)

On-Site Representative(s): Brent Cousin, Owner/Operator
John Vandenboom, Manure Coordinator

DNR Staff / Report Writer: Holly Stegemann, Agricultural Runoff Management Specialist

On September 4, 2025, Stegemann met with Cousin and Vandenboom to conduct a permit reissuance inspection of Holsum Dairies. All facilities covered under the WPDES permit were inspected. Holsum Dairies acquired Schneider Farms main site in 2022, to be included in Holsum Dairies reissued permit as Holsum Faro Springs. No precipitation had fallen 24 hours prior to the inspection. Follow up items are requested on page 10.

Holsum Dairies is currently constructing a new site, Holsum Central. As of the date of this report, plans and specifications for a feed storage area and leachate waste storage facility have been submitted and approved by the department. Plans and specifications for three additional liquid waste storage facilities plan to be submitted soon with construction beginning fall of 2026. Holsum plans to have the new site fully operational by fall of 2026.

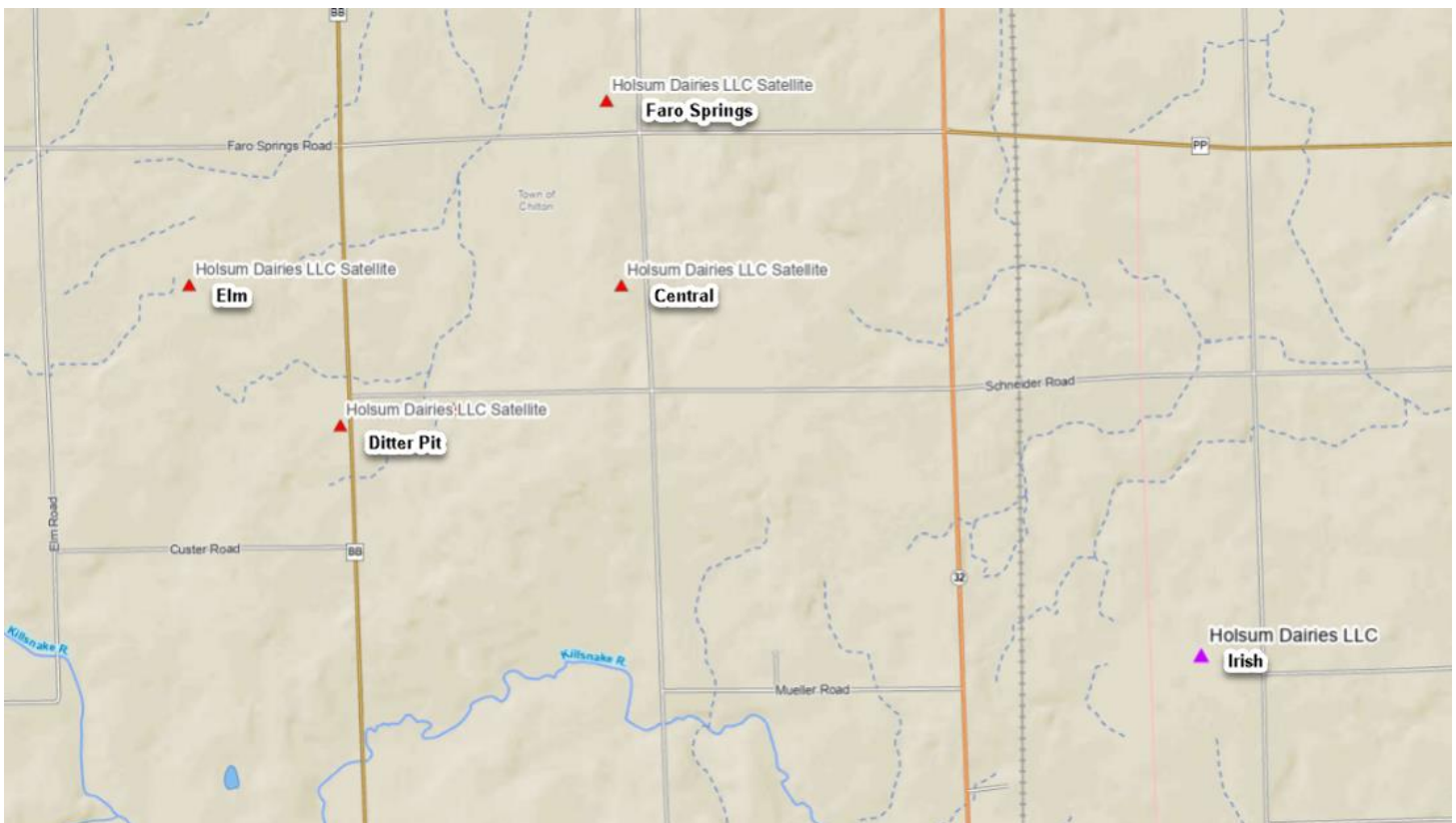


Figure 1. Aerial overview of Holsum Dairies production sites.

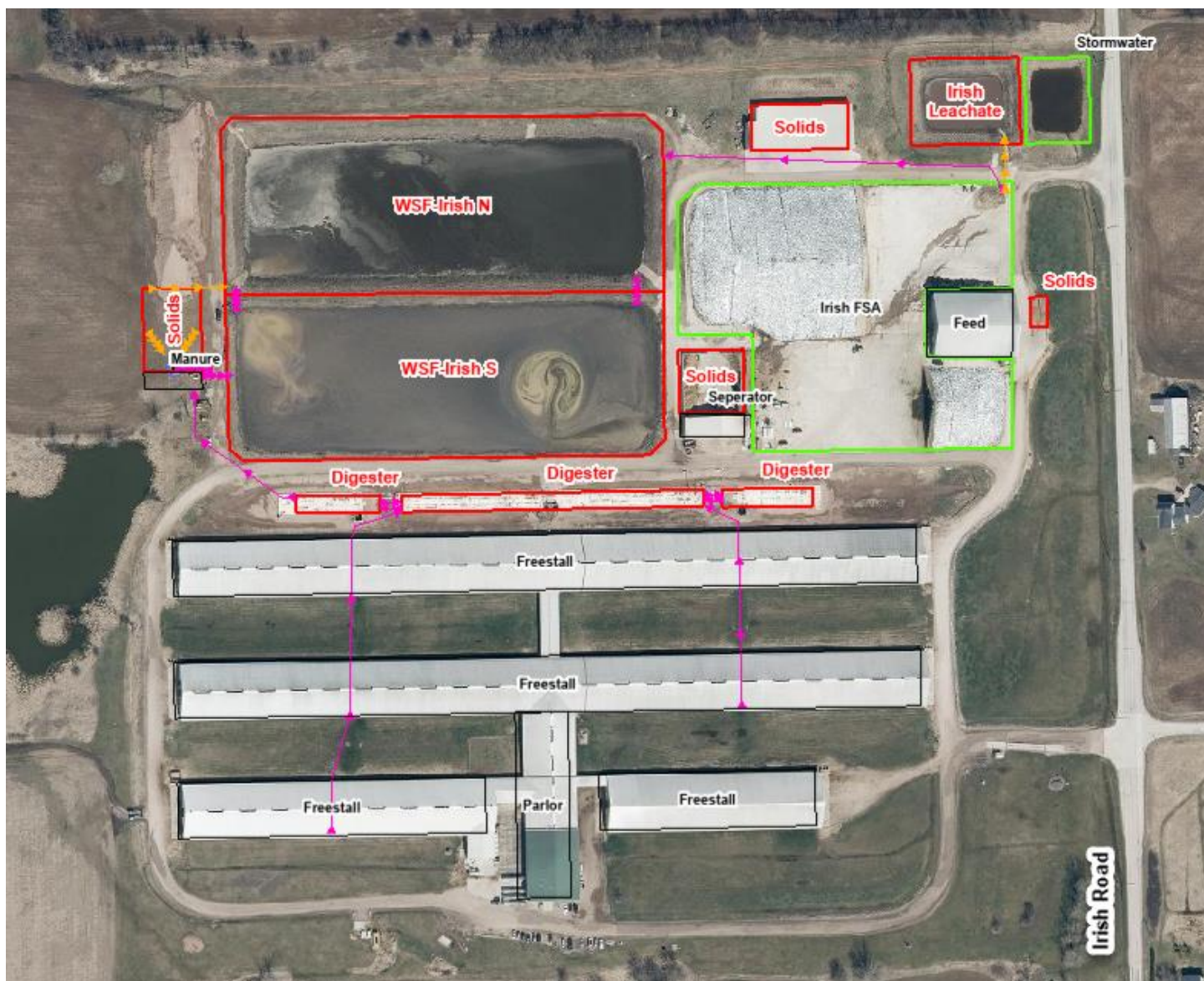


Figure 2. Aerial overview of Holsum Irish. Pink arrows indicate manure transfer lines. Orange arrows indicate approximate contaminated runoff surface flow paths.

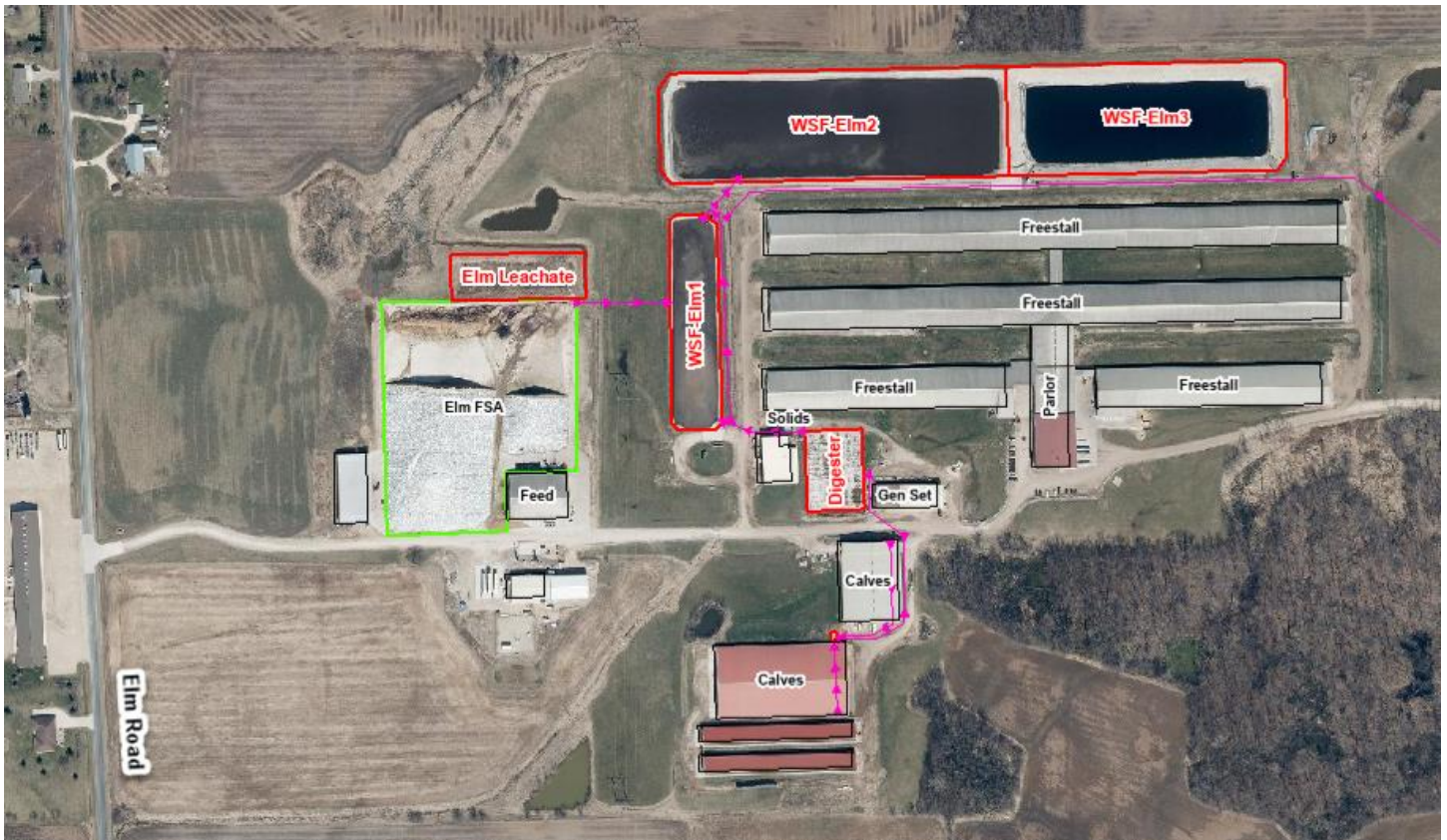


Figure 3. Aerial overview of Holsum Elm. Pink arrows indicate manure transfer lines. Orange arrows indicate approximate contaminated runoff surface flow paths.



Figure 4. Aerial overview of Holsum satellite waste storage facility, Ditter Pit. Pink arrows indicate manure transfer lines.



Figure 5. Aerial overview of Holsum Faro Springs. Pink arrows indicate manure transfer lines. Orange arrows indicate approximate contaminated runoff surface flow paths. Blue arrows indicate approximate stormwater flow paths.

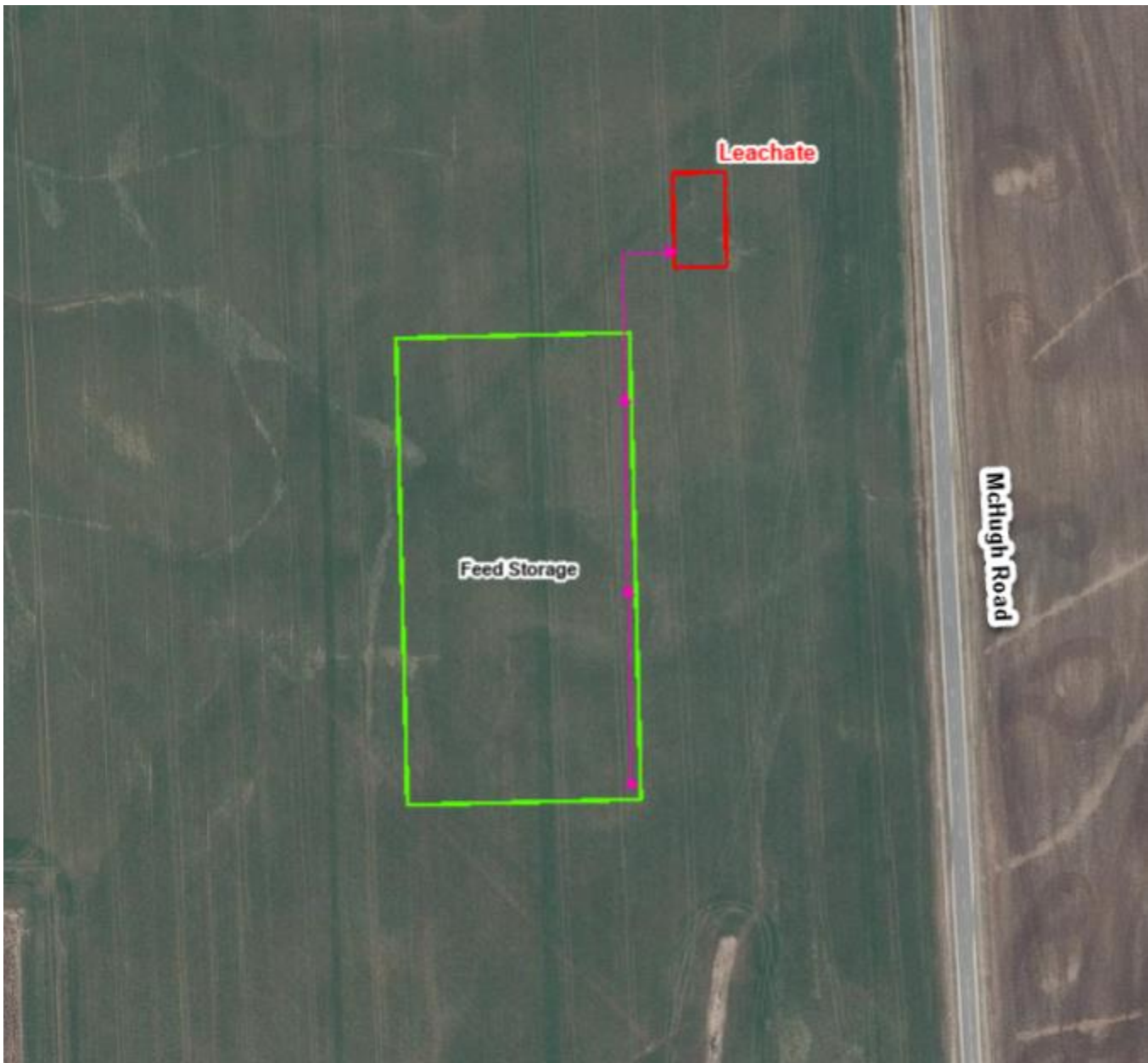


Figure 6. Aerial overview of future Holsum Central site. Pink arrows indicate manure transfer lines.

SITE OBSERVATIONS

Feedlot Runoff

Holsum Dairies does not utilize any outdoor animal feeding lots.

Calf Hutch Areas

Holsum Dairies does not utilize any calf hutch areas.

Waste Storage Facilities

Liquid manure and process wastewater are stored in 15 waste storage facilities. Manure solids are stacked on engineered stacking pads with runoff controls or under roof. Holsum Irish and Elm utilize digesters for manure processing and solids separation for recycled animal bedding. Recycled bedding is stored under roof.

Holsum Irish:

Irish North is an in-place earthen storage located northwest corner of the production site. The facility has a maximum operating level of 20,072,581 gallons and was constructed in 2001. Irish North accepts manure and process wastewater from Irish South. At the time of inspection, safety fencing was present. Permanent markers were not installed.

Irish South is an in-place earthen storage located south of Irish North. The facility has a maximum operating level of 20,072,581 gallons and was constructed in 2001. Irish South accepts manure and process wastewater from the Irish digesters. At the time of inspection, safety fencing and permanent markers were present.

Irish Leachate is an in-place earthen storage located northeast of the feed storage area. The facility has a maximum operating level of 316,893 gallons and was constructed in 2013. Irish Leachate accepts leachate and process wastewater from the feed storage area. At the time of inspection permanent markers and safety fencing were present. Observations of woody vegetation and trees growing around the berm of the storage were made.

Holsum Elm:

Elm Pond 1 is a liquid-tight concrete storage, located west of the freestall barns. The facility has a maximum operating level of 4,552,956 gallons and was modified in 2017. Elm Pond 1 accepts manure and process wastewater from the Elm digester. At the time of inspection, safety fencing was present. Permanent markers were not installed.

Elm Pond 2 is a liquid-tight concrete storage, located north of the freestall barns. The facility has a maximum operating level of 26,967,859 gallons and was modified in 2017. Elm Pond 2 accepts manure and process wastewater from Elm Pond 1. At the time of inspection, permanent markers and safety fencing were present.

Elm Pond 3 is a liquid-tight concrete storage, located north of the freestall barns. The facility has a maximum operating level of 18,803,120 gallons and was modified in 2018. Elm Pond 3 accepts manure and process wastewater from Elm Pond 2. At the time of inspection, permanent markers and safety fencing were present.

Elm Leachate is an in-place earthen storage located north of the feed storage area. The facility has a maximum operating level of 200,107 gallons and was constructed in 2013. Elm Leachate accepts process wastewater from the feed storage area. At the time of inspection, permanent markers and safety fencing were present. Permanent markers were covered by vegetation and unable to be seen. Observations of woody vegetation and trees growing around the berm of the storage were made.

Ditter Pit is a liquid-tight concrete lined storage located southeast of Irish Elm. The facility has a maximum operating level of 794,000 gallons and was modified in 2016. The Ditter Pit accepts manure and process wastewater via transfer line from Elm Pond 1. At the time of inspection, permanent markers and safety fencing were present.

Holsum Faro Springs:

Faro Springs 1 is an in-place earthen storage located north of the freestall barns. The facility overflows into Faro Springs 2 and was modified in 2009. Faro Springs 1 accept manure and process wastewater from the adjacent barns. At the time of inspection permanent markers and safety fencing were present.

Faro Springs 2 is an in-place earthen storage located north of Faro Springs 1. The facility has a maximum operating level of 4,588,030 gallons and was modified in 2009. Faro Springs 2 accepts manure and process wastewater from Faro Springs 1. At the time of inspection permanent markers and safety fencing were present.

Faro Springs 3 is an in-place earthen storage located north of Faro Springs 2. The facility has a maximum operating level of 4,320,780 gallons and was constructed in 2009. Faro Springs 3 accepts manure and process wastewater from Faro Springs 2. At the time of inspection permanent markers and safety fencing were present.

Faro Springs 4 is an in-place earthen storage located north of Faro Springs 3. The facility has a maximum operating level of 640,485 gallons and was constructed in 2014. Faro Springs 4 accepts manure and process wastewater from the north feed storage area. At the time of inspection permanent markers and safety fencing were present.

Faro Springs 1, 2, 3, and 4 have tentative plans to remove the center berms and be combined into one large storage during the permit term. Tentative plans include installing manure transfer lines from other sites to this modified storage as a load-out site for tankers.

Faro Springs 5 is an in-place earthen storage located east of the north feed storage area. The facility has a maximum operating level of 1,115,905 gallons and was constructed in 1977. Faro Springs 5 accepts manure and process wastewater from the freestall barns to the south. Faro Springs 5 was last evaluated in 2017 and met permit requirements. At the time of inspection permanent markers and safety fencing were present. This storage is planned to be abandoned during the next permit term.

Faro Springs 6 is an in-place earthen storage located north of Faro Springs 1. The facility has a maximum operating level of 4,588,030 and was modified in 2009. Faro Springs 2 accepts manure and process wastewater from Faro Springs 1. At the time of inspection permanent markers and safety fencing were present. This storage is planned to be abandoned during the next permit term.

Faro Springs Calf Barn WSF is an in-place earthen storage located west of the calf barn stacking pad. This storage was constructed in 2009 and accepts manure and process wastewater from the adjacent calf barn. Faro Springs Calf Barn WSF was evaluated in 2017 and did not meet permit requirements. This storage is planned to be abandoned during the next permit term.

Holsum Central:

Proposed to have three liquid waste storage facilities. Plans and specification for the storages have not yet been submitted to the department.

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

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

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

Feed Storage Area Runoff

Holsum Irish:

Feed is stored under plastic on a concrete feed storage pad located on the northeast side of the production site. The concrete is pitched to convey runoff to the northeast corner of the pad, where a collection basin

contains the 24-hour, 25-year storm, transferring runoff to Irish North. Additional runoff is directed to the Irish Leachate Pond for long term storage.

Holsum Elm:

Feed is stored under plastic on a concrete feed storage pad located on the west side of the production site. The concrete is pitched to convey runoff to the northeast corner of the pad, where a collection basin contains the 24-hour, 25-year storm, transferring runoff to Elm Pond 1. Additional runoff is conveyed to the Elm Leachate Pond for long term storage. Surface cracking and areas of exposed rebar were observed and require maintenance.

Holsum Faro Springs:

Feed is kept in two feed storage areas, north and south. The north feed storage area consists of two concrete bunkers that are pitched to convey runoff south, to the collection inlet. Runoff is transferred to Faro Springs 4 for long term storage.

The south feed storage area consists of three concrete bunkers that do not have runoff controls. Only dry feed is stored in these bunkers. Bunker walls and concrete floors are cracked and in need of repairs. Plans for either upgrades or abandonment are under consideration.

Holsum Central:

Plans and specifications for a feed storage pad with clean water diversions and runoff collection have been submitted and approved by the department (R-2025-0149) and are currently under construction.

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

Animal Mortality Disposal

Animal mortalities are picked up as need by OJ Krull. Animal mortalities are managed to not have current or past indicators of discharges.

Ancillary Service Areas

Holsum Dairies maintains stormwater ponds at Irish and Elm. No indications of excess nutrients or feed/manure solids were observed in any stormwater pond. Preventative maintenance actions and visual inspections are occurring to minimize pollutant discharges from ancillary service and storage areas (i.e. storm water conveyance systems, driveways, etc.).

RECORDS REVIEW

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

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

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

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

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

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

SUMMARY

Areas of Concern

- Heavy vegetation and trees were observed growing in the berms of Irish and Elm Leachate Ponds. Excessive vegetation may cause weakened berms which could lead to unauthorized discharges from the production site.
- Cracked working surface and exposed rebar were observed on the Elm Feed Storage Area and Faro Springs South Feed Storage Area.
- Irish North and Elm Pond 1 are missing permanent markers.

Permit Violations

None

Action Items

- Submit to the department, no later than **12/31/2025**, photo documentation that woody vegetation has been removed from Irish Leachate Pond and Elm Leachate Pond.
- Submit to the department, no later than **12/31/2025**, photo documentation that permanent markers have been installed in Irish North and Elm Pond 1.
- Submit to the department post construction documentation for the expansion of the Elm Digesters (project reference R-2022-0188).

Photo #:	2455
Date/Time of Photo:	09/04/2025 9:50AM
Photo By:	Stegemann
Photo Location:	Irish North

Photo Description:

View of Irish North, looking east.



Photo #:	2492
Date/Time of Photo:	09/04/2025 9:57AM
Photo By:	Stegemann
Photo Location:	Irish North

Photo Description:

View of Irish North, looking north.



Photo #:	2503
Date/Time of Photo:	09/04/2025 9:57AM
Photo By:	Stegemann
Photo Location:	Irish North
Photo Description:	
View of Irish North, looking north.	



Photo #:	2507
Date/Time of Photo:	09/04/2025 9:58AM
Photo By:	Stegemann
Photo Location:	Irish North
Photo Description:	
View of Irish North, looking west.	



Photo #:	2447
Date/Time of Photo:	09/04/2025 9:49AM
Photo By:	Stegemann
Photo Location:	Irish South
Photo Description:	
View of Irish South, looking east.	



Photo #:	2451
Date/Time of Photo:	09/04/2025 9:49AM
Photo By:	Stegemann
Photo Location:	Irish South
Photo Description:	
View of Irish South, looking northeast.	



Photo #:	2487
Date/Time of Photo:	09/04/2025 9:56AM
Photo By:	Stegemann
Photo Location:	Irish South

Photo Description:

View of Irish South, looking west.



Photo #:	2497
Date/Time of Photo:	09/04/2025 9:57AM
Photo By:	Stegemann
Photo Location:	Irish South

Photo Description:

View of Irish South permanent markers on northwest corner berm.



Photo #:	2530
Date/Time of Photo:	09/04/2025 10:02AM
Photo By:	Stegemann
Photo Location:	Irish Leachate Pond
Photo Description:	
View of woody vegetation around Irish Leachate Pond, looking north. Permanent markers circled in red.	



Photo #:	2533
Date/Time of Photo:	09/04/2025 10:03AM
Photo By:	Stegemann
Photo Location:	Irish Leachate Pond
Photo Description:	
View of woody vegetation around Irish Leachate Pond, looking northwest.	



Photo #:	2561
Date/Time of Photo:	09/04/2025 10:23AM
Photo By:	Stegemann
Photo Location:	Elm Pond 1
Photo Description:	
View of Elm Pond 1, looking northwest.	



Photo #:	2565
Date/Time of Photo:	09/04/2025 10:23AM
Photo By:	Stegemann
Photo Location:	Elm Pond 1
Photo Description:	
View of Elm Pond 1, looking north.	



Photo #:	2589
Date/Time of Photo:	09/04/2025 10:27AM
Photo By:	Stegemann
Photo Location:	Elm Pond 2

Photo Description:

View of Elm Pond 2, looking northeast.



Photo #:	2593
Date/Time of Photo:	09/04/2025 10:28AM
Photo By:	Stegemann
Photo Location:	Elm Pond 2

Photo Description:

View of Elm Pond 2, looking southeast.



Photo #:	2597
Date/Time of Photo:	09/04/2025 10:30AM
Photo By:	Stegemann
Photo Location:	Elm Pond 2
Photo Description:	
View of permanent markers in Elm Pond 2, looking east.	



Photo #:	2611
Date/Time of Photo:	09/04/2025 10:31AM
Photo By:	Stegemann
Photo Location:	Elm Pond 2
Photo Description:	
View of Elm Pond 2, looking north.	



Photo #:	2603
Date/Time of Photo:	09/04/2025 10:30AM
Photo By:	Stegemann
Photo Location:	Elm Pond 3

Photo Description:

View of Elm Pond 3, looking southeast.



Photo #:	2607
Date/Time of Photo:	09/04/2025 10:31AM
Photo By:	Stegemann
Photo Location:	Elm Pond 3

Photo Description:

View of Elm Pond 3 permanent markers.



Photo #:	2621
Date/Time of Photo:	09/04/2025 10:39AM
Photo By:	Stegemann
Photo Location:	Elm Leachate
Photo Description:	
View of Elm Leachate Pond, looking northeast.	

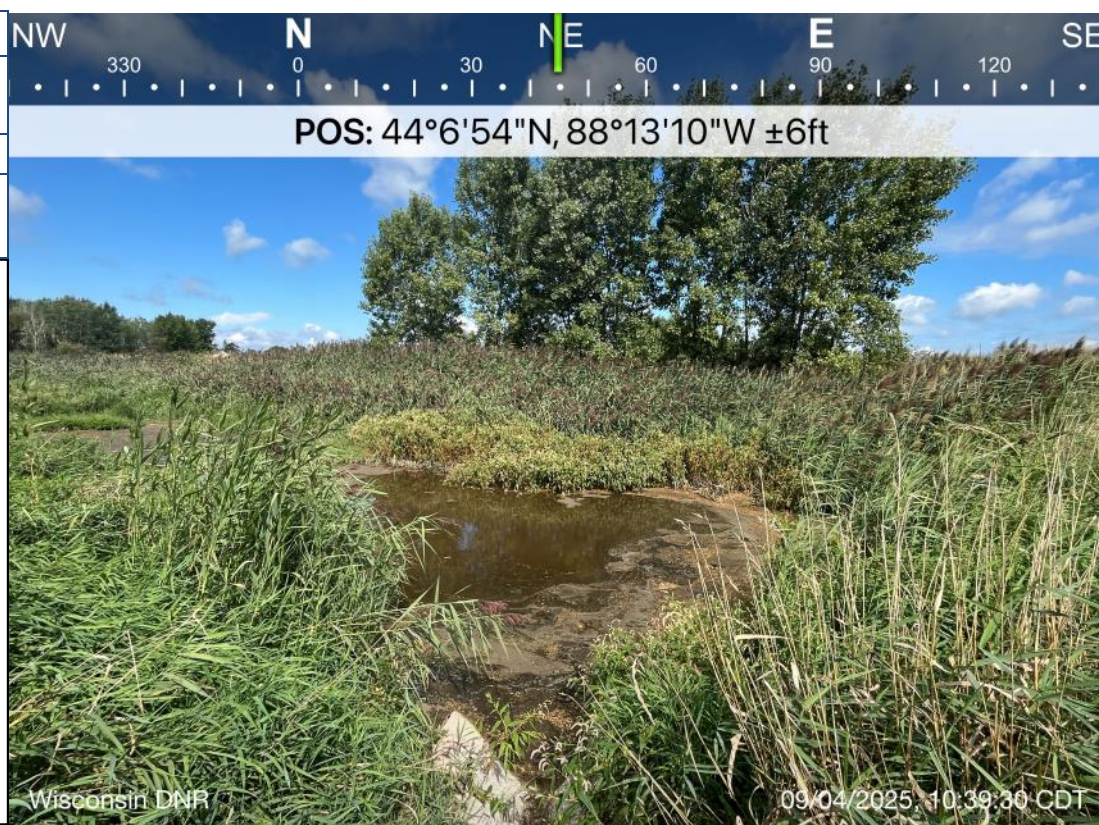


Photo #:	2629
Date/Time of Photo:	09/04/2025 10:41AM
Photo By:	Stegemann
Photo Location:	Elm Leachate
Photo Description:	
View of Elm Leachate Pond, looking southeast. Permanent markers hid by vegetation.	



Photo #:	2643
Date/Time of Photo:	09/04/2025 10:52AM
Photo By:	Stegemann
Photo Location:	Ditter Pit

Photo Description:

View of the Ditter Pit, looking southwest.



Photo #:	2647
Date/Time of Photo:	09/04/2025 10:52AM
Photo By:	Stegemann
Photo Location:	Ditter Pit

Photo Description:

View of the permanent markers and manure level sensor in the Ditter Pit, looking northwest.



Photo #:	2651
Date/Time of Photo:	09/04/2025 11:02AM
Photo By:	Stegemann
Photo Location:	Faro Springs 1

Photo Description:

**View of Faro Springs 1,
looking south.**



Photo #:	2655
Date/Time of Photo:	09/04/2025 11:03AM
Photo By:	Stegemann
Photo Location:	Faro Springs 2

Photo Description:

**View of Faro Springs 2,
looking west.**

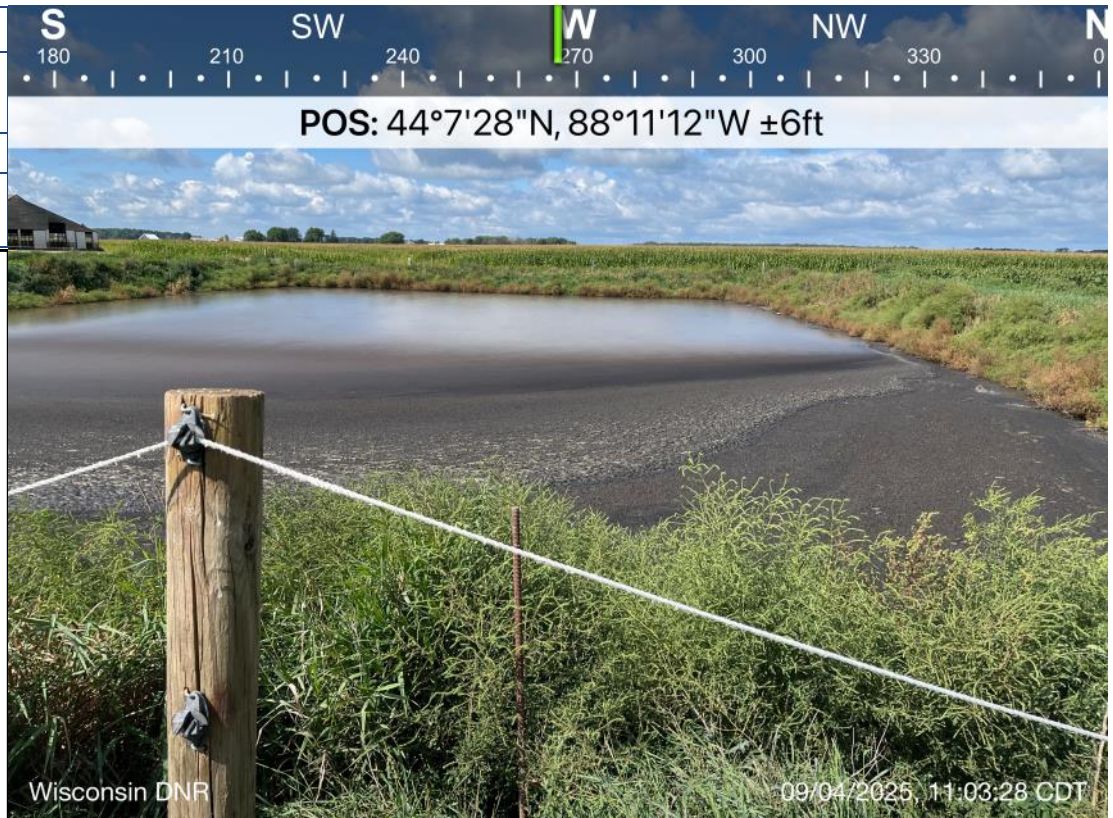


Photo #:	2661
Date/Time of Photo:	09/04/2025 11:03AM
Photo By:	Stegemann
Photo Location:	Faro Springs 3

Photo Description:

View of Faro Springs 3, looking northwest.



Photo #:	2663
Date/Time of Photo:	09/04/2025 11:04AM
Photo By:	Stegemann
Photo Location:	Faro Springs 3

Photo Description:

View of permanent marker in Faro Springs 3, looking west.



Photo #:	2665
Date/Time of Photo:	09/04/2025 11:05AM
Photo By:	Stegemann
Photo Location:	Faro Springs 4

Photo Description:

View of Faro Springs 4, looking northwest.



Photo #:	2667
Date/Time of Photo:	09/04/2025 11:05AM
Photo By:	Stegemann
Photo Location:	Faro Springs 4

Photo Description:

View of permanent marker in Faro Springs 4, looking northwest.



Photo #:	2683
Date/Time of Photo:	09/04/2025 11:13AM
Photo By:	Stegemann
Photo Location:	Faro Springs 5

Photo Description:

View of Faro Springs 5, looking north.

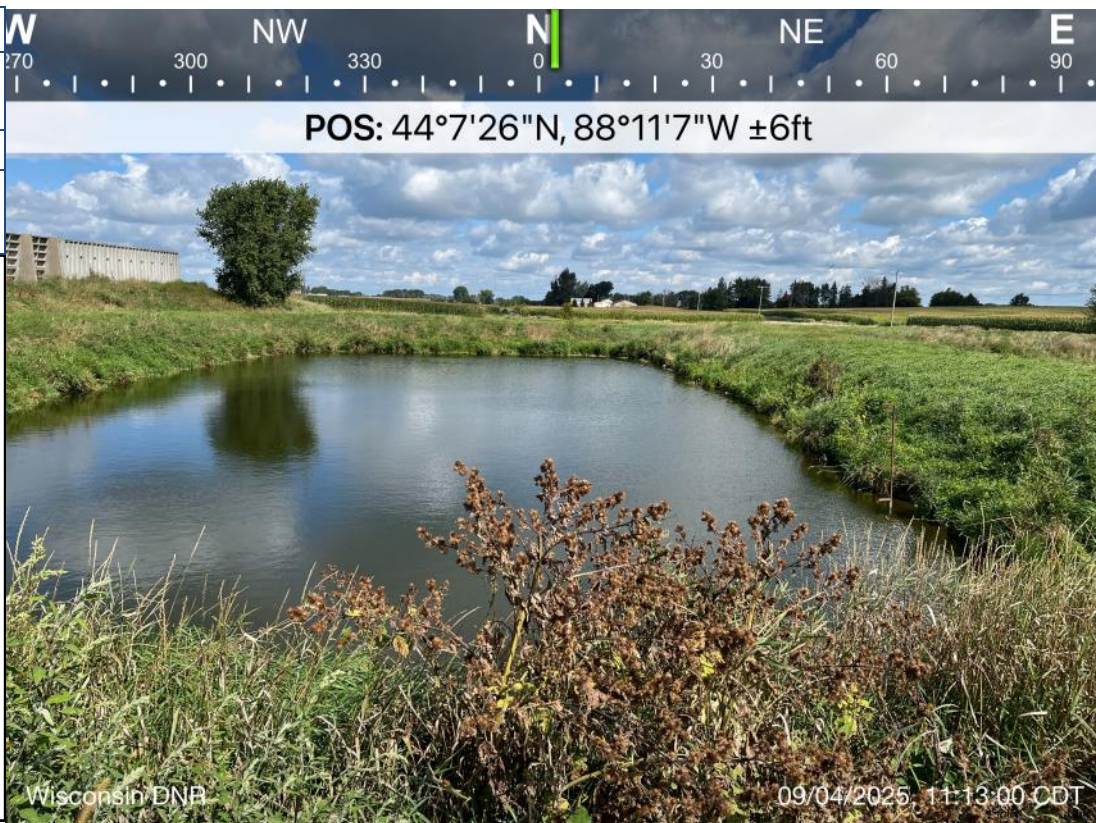


Photo #:	2685
Date/Time of Photo:	09/04/2025 11:13AM
Photo By:	Stegemann
Photo Location:	Faro Springs 5

Photo Description:

View of permanent marker in Faro Springs 5, looking northeast.



Photo #:	2689
Date/Time of Photo:	09/04/2025 11:13AM
Photo By:	Stegemann
Photo Location:	Faro Springs 6

Photo Description:

View of permanent markers in Faro Springs 6, looking northeast.



Photo #:	2691
Date/Time of Photo:	09/04/2025 11:13AM
Photo By:	Stegemann
Photo Location:	Faro Springs 6

Photo Description:

View of Faro Springs 6, looking northeast.

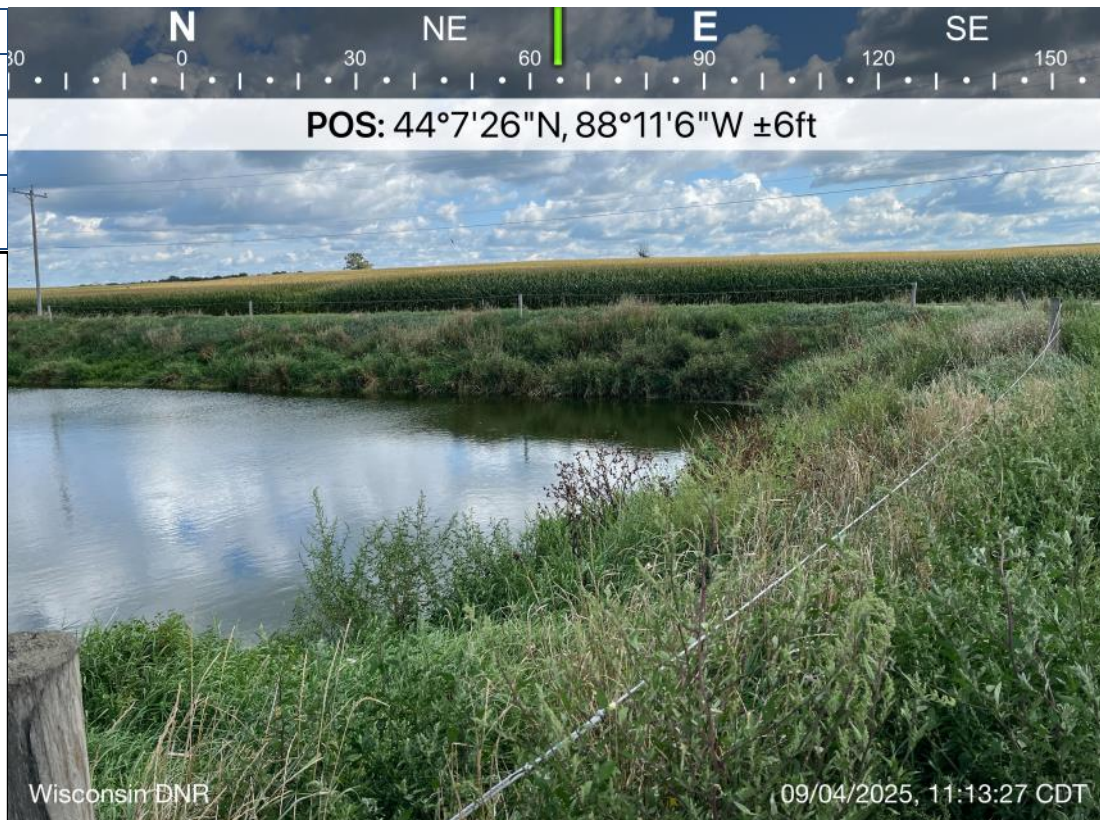


Photo #:	2693
Date/Time of Photo:	09/04/2025 11:18AM
Photo By:	Stegemann
Photo Location:	Faro Springs Calf Barn WSF
Photo Description:	
View of Faro Springs Calf Barn WSF, looking south.	



Photo #:	2695
Date/Time of Photo:	09/04/2025 11:19AM
Photo By:	Stegemann
Photo Location:	Faro Springs Calf Barn WSF
Photo Description:	
View of Faro Springs Calf Barn WSF, looking southwest.	



Photo #:	2459
Date/Time of Photo:	09/04/2025 9:51AM
Photo By:	Stegemann
Photo Location:	Irish Solid Stacking

Photo Description:

View of new Irish stacking pad, looking north.



Photo #:	2467
Date/Time of Photo:	09/04/2025 9:51AM
Photo By:	Stegemann
Photo Location:	Irish Solid Stacking

Photo Description:

View of new Irish stacking pad, looking north. Orange arrows indicate approximate runoff flow path.

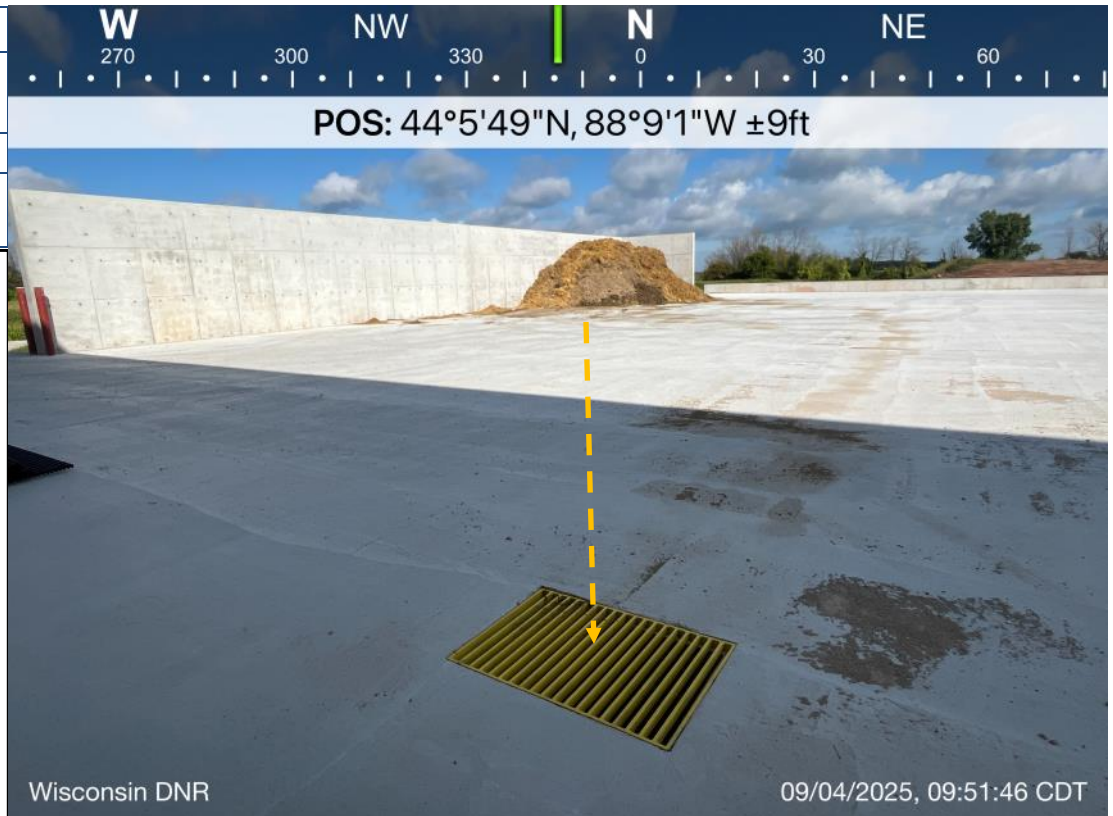


Photo #:	5471
Date/Time of Photo:	09/04/2025 10:24AM
Photo By:	Stegemann
Photo Location:	Elm Solid Stacking

Photo Description:

View of Elm solid stacking pad, looking northwest.



Photo #:	2477
Date/Time of Photo:	09/04/2025 9:54AM
Photo By:	Stegemann
Photo Location:	Irish Digester

Photo Description:

View of Irish digesters, looking east.



Photo #:	2479
Date/Time of Photo:	09/04/2025 9:55AM
Photo By:	Stegemann
Photo Location:	Irish Digester

Photo Description:

View of Irish Digesters, looking southeast.



Photo #:	2575
Date/Time of Photo:	09/04/2025 10:24AM
Photo By:	Stegemann
Photo Location:	Elm Digester

Photo Description:

View of Elm Digesters, looking west.

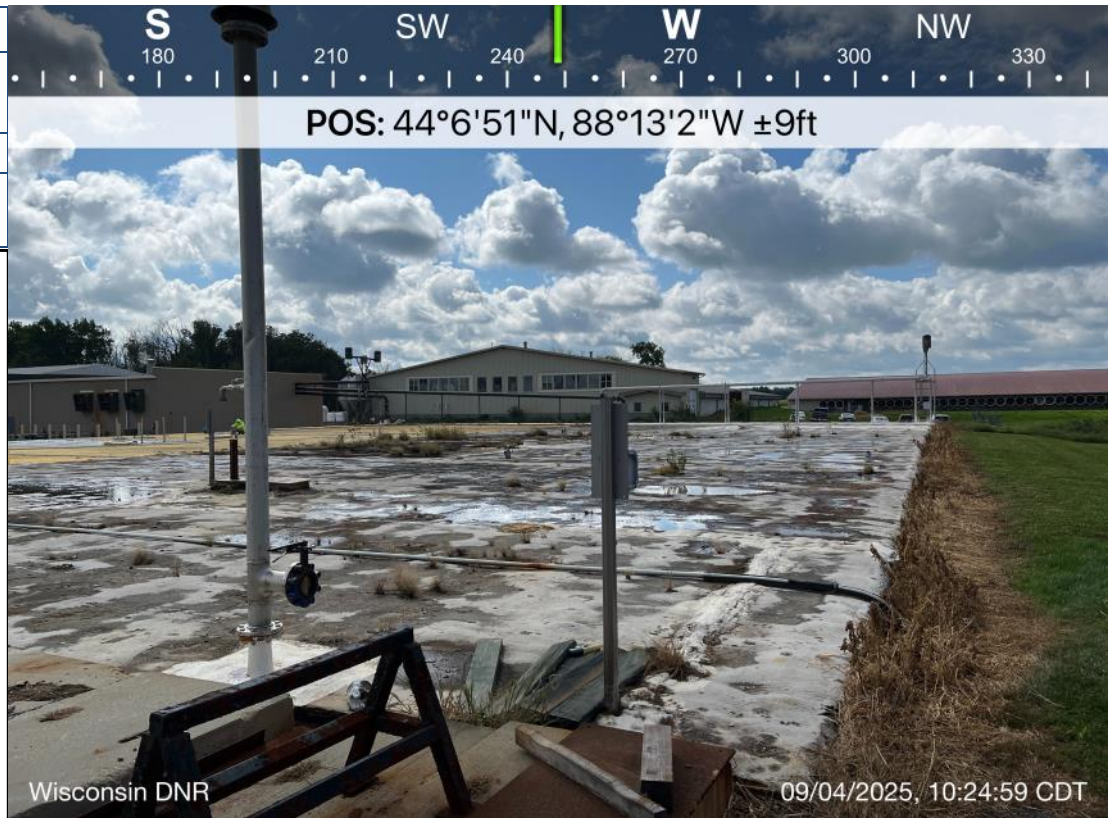


Photo #:	2517
Date/Time of Photo:	09/04/2025 10:01AM
Photo By:	Stegemann
Photo Location:	Irish FSA

Photo Description:

View of Irish feed storage area, looking west. Orange arrows indicate approximate runoff flow path.



Photo #:	2519
Date/Time of Photo:	09/04/2025 10:01AM
Photo By:	Stegemann
Photo Location:	Irish FSA

Photo Description:

View of Irish feed storage area, looking southeast. Orange arrows indicate approximate runoff flow path.

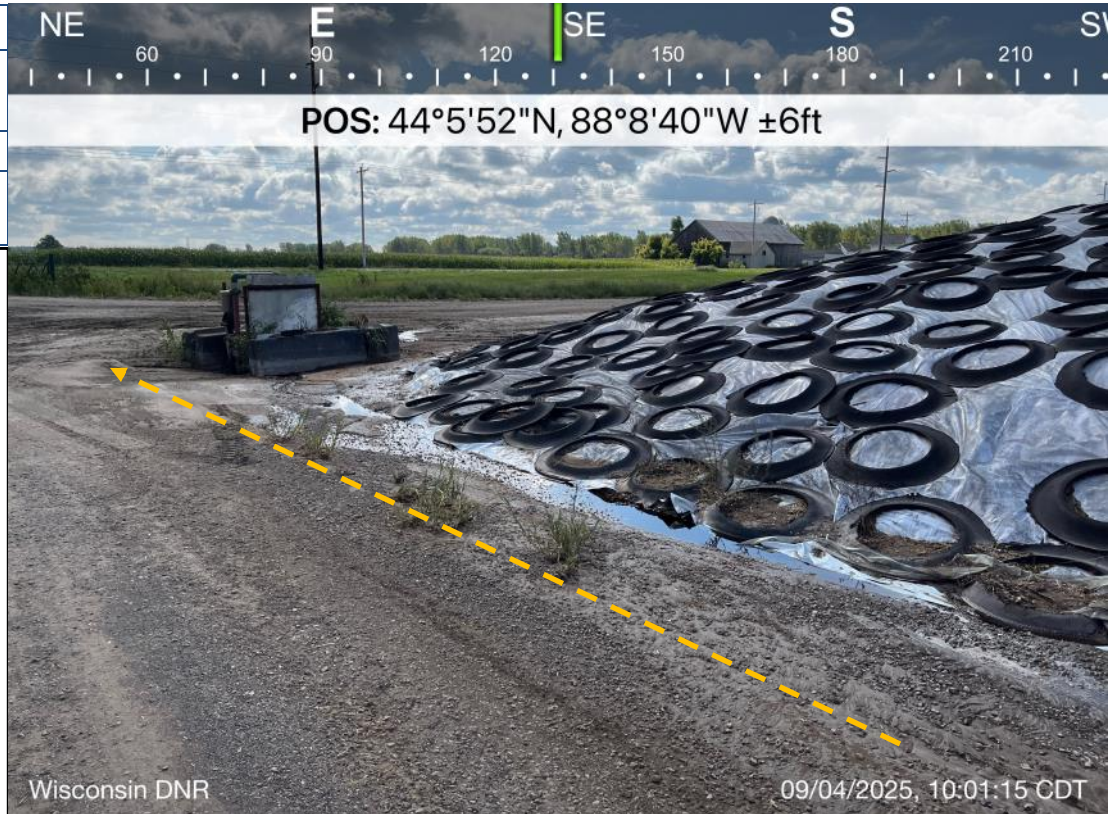


Photo #:	2523
Date/Time of Photo:	09/04/2025 10:01AM
Photo By:	Stegemann
Photo Location:	Irish FSA

Photo Description:

View of Irish feed storage area runoff controls, looking north. Orange arrows indicate approximate runoff flow path.



Photo #:	2537
Date/Time of Photo:	09/04/2025 10:05AM
Photo By:	Stegemann
Photo Location:	Irish FSA

Photo Description:

View of bunkers, located southeast of the FSA, that receive offsite waste which is utilized for animal feed, looking north.



Photo #:	2615
Date/Time of Photo:	09/04/2025 10:38AM
Photo By:	Stegemann
Photo Location:	Elm FSA

Photo Description:

View of Elm feed storage area, looking northeast. Orange arrows indicate approximate runoff flow path.



Photo #:	2627
Date/Time of Photo:	09/04/2025 10:40AM
Photo By:	Stegemann
Photo Location:	Elm FSA

Photo Description:

View of Elm feed storage area runoff controls, looking south. Orange arrows indicate approximate runoff flow path.



Photo #:	2617
Date/Time of Photo:	09/04/2025 10:39AM
Photo By:	Stegemann
Photo Location:	Elm FSA

Photo Description:

View of Elm feed storage area runoff collection pump.



Photo #:	2619
Date/Time of Photo:	09/04/2025 10:39AM
Photo By:	Stegemann
Photo Location:	Elm FSA

Photo Description:

View of Elm feed storage area runoff collection inlet. Orange arrows indicate approximate runoff flow path.



Photo #:	2673
Date/Time of Photo:	09/04/2025 11:08AM
Photo By:	Stegemann
Photo Location:	Faro Springs North FSA
Photo Description: View of Faro Springs north feed storage area, looking north. Orange arrows indicate approximate runoff flow path.	



Photo #:	2671
Date/Time of Photo:	09/04/2025 11:08AM
Photo By:	Stegemann
Photo Location:	Faro Springs North FSA
Photo Description: View of Faro Springs north feed storage area runoff controls inlet, looking southeast. Orange arrows indicate approximate runoff flow path.	



Photo #:	2675
Date/Time of Photo:	09/04/2025 11:09AM
Photo By:	Stegemann
Photo Location:	Faro Springs North FSA
Photo Description:	
View of Faro Springs north feed storage area, looking north.	



Photo #:	2677
Date/Time of Photo:	09/04/2025 11:10AM
Photo By:	Stegemann
Photo Location:	Faro Springs South FSA
Photo Description:	
View of Faro Springs south feed storage area, looking northwest.	



Photo #:	2681
Date/Time of Photo:	09/04/2025 11:10AM
Photo By:	Stegemann
Photo Location:	Faro Springs South FSA
Photo Description:	
View of Faro Springs south feed storage area, looking southwest.	



Photo #:	2441
Date/Time of Photo:	09/04/2025 9:46AM
Photo By:	Stegemann
Photo Location:	Irish Stormwater Pond
Photo Description:	
View of Irish stormwater pond, looking west.	



Photo #:	2415
Date/Time of Photo:	09/04/2025 9:33AM
Photo By:	Stegemann
Photo Location:	Irish Records
Photo Description:	View of Irish manure pit level records.

S SW W NW

180 210 240 270 300 330

POS: 44°5'40"N, 88°8'52"W ±85ft

Use this form to record visual inspections of storm water diversions, feed storage pump, digester storage structures, and storage levels.

date	Initials	Maternity Pond	Separation Pond	Feed Pond	Digester	Solid Stacking	Outside Feed	Storm water diversion	Feed storage pump	Notes
week 1	1-6 LB	X	X	X	X	X	X	X	X	
week 2	1-20 LB	X	X	X	X	X	X	X	X	
week 3	1-20 LB	X	X	X	X	X	X	X	X	
week 4	1-27 LB	X	X	X	X	X	X	X	X	
week 5	2-3 LB	X	X	X	X	X	X	X	X	
week 6	2-10 LB	X	X	X	X	X	X	X	X	
week 7	2-17 LB	X	X	X	X	X	X	X	X	
week 8	2-21 LB	X	X	X	X	X	X	X	X	
week 9	3-3 LB	X	X	X	X	X	X	X	X	
week 10	3-10 LB	X	X	X	X	X	X	X	X	
week 11	3-17 LB	X	X	X	X	X	X	X	X	
week 12	3-21 LB	X	X	X	X	X	X	X	X	
week 13	3-31 LB	X	X	X	X	X	X	X	X	
week 14	4-7 LB	X	X	X	X	X	X	X	X	
week 15	4-14 LB	X	X	X	X	X	X	X	X	
week 16	4-21 LB	X	X	X	X	X	X	X	X	
week 17	4-28 LB	X	X	X	X	X	X	X	X	
week 18	5-5 LB	X	X	X	X	X	X	X	X	
week 19	5-13 LB	X	X	X	X	X	X	X	X	
week 20	5-19 LB	X	X	X	X	X	X	X	X	
week 21	5-26 LB	X	X	X	X	X	X	X	X	
week 22	6-2 LB	X	X	X	X	X	X	X	X	
week 23	6-9 LB	X	X	X	X	X	X	X	X	
week 24	6-16 LB	X	X	X	X	X	X	X	X	
week 25	6-23 LB	X	X	X	X	X	X	X	X	
week 26	6-30 LB	X	X	X	X	X	X	X	X	
week 27	7-7 LB	X	X	X	X	X	X	X	X	
week 28	7-14 LB	X	X	X	X	X	X	X	X	
week 29	7-21 LB	X	X	X	X	X	X	X	X	
week 30	7-28 LB	X	X	X	X	X	X	X	X	
week 31	8-4 LB	X	X	X	X	X	X	X	X	
week 32	8-11 LB	X	X	X	X	X	X	X	X	
week 33	8-18 LB	X	X	X	X	X	X	X	X	
week 34	8-25 LB	X	X	X	X	X	X	X	X	
week 35	9-1 LB	X	X	X	X	X	X	X	X	
week 36										
week 37										
week 38										

Wisconsin DNR

09/04/2025, 09:33:13 CDT

Photo #:	2417
Date/Time of Photo:	09/04/2025 9:33AM
Photo By:	Stegemann
Photo Location:	Faro Springs Records
Photo Description:	View of Faro Springs manure pit level records.

S SW W NW

180 210 240 270 300 330

POS: 44°5'40"N, 88°8'52"W ±85ft

Use this form to record visual inspections of storm water diversions, feed storage pump, digester storage structures, and storage levels.

date	Initials	Maternity Pond	Separation Pond	Feed Pond	Digester	Solid Stacking	Outside Feed	Storm water diversion	Feed storage pump	Notes
week 1	1-6 LB	X	X	X	X	X	X	X	X	
week 2	1-13 LB	X	X	X	X	X	X	X	X	
week 3	1-20 LB	X	X	X	X	X	X	X	X	
week 4	1-27 LB	X	X	X	X	X	X	X	X	
week 5	2-3 LB	X	X	X	X	X	X	X	X	
week 6	2-10 LB	X	X	X	X	X	X	X	X	
week 7	2-17 LB	X	X	X	X	X	X	X	X	
week 8	2-24 LB	X	X	X	X	X	X	X	X	
week 9	3-3 LB	X	X	X	X	X	X	X	X	
week 10	3-10 LB	X	X	X	X	X	X	X	X	
week 11	3-17 LB	X	X	X	X	X	X	X	X	
week 12	3-24 LB	X	X	X	X	X	X	X	X	
week 13	3-31 LB	X	X	X	X	X	X	X	X	
week 14	4-7 LB	X	X	X	X	X	X	X	X	
week 15	4-14 LB	X	X	X	X	X	X	X	X	
week 16	4-21 LB	X	X	X	X	X	X	X	X	
week 17	4-28 LB	X	X	X	X	X	X	X	X	
week 18	5-5 LB	X	X	X	X	X	X	X	X	
week 19	5-12 LB	X	X	X	X	X	X	X	X	
week 20	5-19 LB	X	X	X	X	X	X	X	X	
week 21	5-26 LB	X	X	X	X	X	X	X	X	
week 22	6-2 LB	X	X	X	X	X	X	X	X	
week 23	6-9 LB	X	X	X	X	X	X	X	X	
week 24	6-16 LB	X	X	X	X	X	X	X	X	
week 25	6-23 LB	X	X	X	X	X	X	X	X	
week 26	6-30 LB	X	X	X	X	X	X	X	X	
week 27	7-7 LB	X	X	X	X	X	X	X	X	
week 28	7-14 LB	X	X	X	X	X	X	X	X	
week 29	7-21 LB	X	X	X	X	X	X	X	X	
week 30	7-28 LB	X	X	X	X	X	X	X	X	
week 31	8-4 LB	X	X	X	X	X	X	X	X	
week 32	8-11 LB	X	X	X	X	X	X	X	X	
week 33	8-18 LB	X	X	X	X	X	X	X	X	
week 34	8-25 LB	X	X	X	X	X	X	X	X	
week 35	9-1 LB	X	X	X	X	X	X	X	X	
week 36										
week 37										
week 38										
week 39										
week 40										

Wisconsin DNR

09/04/2025, 09:33:18 CDT

Photo #:	2419
Date/Time of Photo:	09/04/2025 9:33AM
Photo By:	Stegemann
Photo Location:	Elm Records
Photo Description: View of Elm manure pit level records.	

S 180 210 240 270 300 330 NW

POS: 44°5'40"N, 88°8'52"W ±85ft

2025 Weekly inspection report

Use this form to record visual inspections of storm water diversions, feed storage pump, digester storage structures, and storage levels.

Holsum Elm Dairy

date	Initials	Maternity	Pond 1	Pond 2	Pond 3	Digester	Storage	Feed	Storm water	Feed storage	Notes
week 1	1-16 LB	X	X	X	X	X	X	X	X	X	
week 2	1-23 LB	X	X	X	X	X	X	X	X	X	
week 3	1-30 LB	X	X	X	X	X	X	X	X	X	
week 4	1-27 LB	X	X	X	X	X	X	X	X	X	
week 5	2-3 LB	X	X	X	X	X	X	X	X	X	
week 6	2-10 LB	X	X	X	X	X	X	X	X	X	
week 7	2-17 LB	X	X	X	X	X	X	X	X	X	
week 8	2-24 LB	X	X	X	X	X	X	X	X	X	
week 9	3-3 LB	X	X	X	X	X	X	X	X	X	
week 10	3-10 LB	X	X	X	X	X	X	X	X	X	
week 11	3-17 LB	X	X	X	X	X	X	X	X	X	
week 12	3-24 LB	X	X	X	X	X	X	X	X	X	
week 13	3-31 LB	X	X	X	X	X	X	X	X	X	
week 14	4-7 LB	X	X	X	X	X	X	X	X	X	
week 15	4-14 LB	X	X	X	X	X	X	X	X	X	
week 16	4-21 LB	X	X	X	X	X	X	X	X	X	
week 17	4-28 LB	X	X	X	X	X	X	X	X	X	
week 18	5-5 LB	X	X	X	X	X	X	X	X	X	
week 19	5-12 LB	X	X	X	X	X	X	X	X	X	
week 20	5-19 LB	X	X	X	X	X	X	X	X	X	
week 21	5-26 LB	X	X	X	X	X	X	X	X	X	
week 22	6-2 LB	X	X	X	X	X	X	X	X	X	
week 23	6-9 LB	X	X	X	X	X	X	X	X	X	
week 24	6-16 LB	X	X	X	X	X	X	X	X	X	
week 25	6-23 LB	X	X	X	X	X	X	X	X	X	
week 26	6-30 LB	X	X	X	X	X	X	X	X	X	
week 27	7-7 LB	X	X	X	X	X	X	X	X	X	
week 28	7-14 LB	X	X	X	X	X	X	X	X	X	
week 29	7-21 LB	X	X	X	X	X	X	X	X	X	
week 30	7-28 LB	X	X	X	X	X	X	X	X	X	
week 31	8-4 LB	X	X	X	X	X	X	X	X	X	
week 32	8-11 LB	X	X	X	X	X	X	X	X	X	
week 33	8-18 LB	X	X	X	X	X	X	X	X	X	
week 34	8-25 LB	X	X	X	X	X	X	X	X	X	
week 35	9-1 LB	X	X	X	X	X	X	X	X	X	
week 36											
week 37											
week 38											
week 39											

Wisconsin DNR

09/04/2025, 09:33:22 CDT

Photo #:	2429
Date/Time of Photo:	09/04/2025 9:34AM
Photo By:	Stegemann
Photo Location:	Elm CAFO Calendar
Photo Description: View of Elm CAFO calendar.	

S 180 210 240 270 300 330 NW

POS: 44°5'39"N, 88°8'51"W ±127ft

Quarterly Inspection Summary Report Form

For WPDES-Permitted CAFO Operations

Date: 7-2-25 Monitoring Quarter: April-June

Facility Name: Holsum Elm Name of Person Performing Inspection: John Vandenberg

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

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

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

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

MANURE STORAGE CONDITION

Is fencing installed around all storages? ☐ NO ☒ YES

Are there any rodent holes or erosion problems in berm walls? ☒ NO ☐ YES

Are there any signs of leakage or seepage problems? ☒ NO ☐ YES

Are transfer lines and/or overflow channels and berms functioning? ☐ NO ☒ YES

Is vegetation on outside berm walls mowed regularly? ☐ NO ☒ YES

Are there any large cracks visible in concrete? ☒ NO ☐ YES

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

ADDITIONAL COMMENTS:

09/04/2025, 09:34:27 CDT



September 3, 2025

FILE REF: R-2025-0015
WPDES Permit #: WI-0061620

Brent Cousin
Holsum Dairies LLC
N5701 Irish Road
Hilbert, WI 54129

Subject: Days of Storage Review for Holsum Dairies LLC (Irish, Elm, and Faro Springs Sites) in Chilton Township, Calumet County – NO ADDITIONAL ACTION REQUIRED

Dear Mr. Cousin:

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 Brent Cousin, Holsum Dairies LLC on January 1, 2025 with revisions received on March 4, 2025 and June 24, 2025. The calculations were submitted in its entirety as required in the Department's Further Actions Are Required letter dated August 12, 2022 for DNR project number R-2022-0031.

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 (Irish): The submitted information states that Holsum Dairies LLC (Irish Site) has 234 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 at the Irish Site provided for the calculation is 5,740. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. All feed storage area runoff from the Irish site is captured and stored in WSF 3. Offsite waste is accepted from Briess Industries, C&R Pumpers, A&B Leist, and McCain Foods. WSFs are stated to have a remaining waste value of 0 ft. Justification for the remaining waste value include the solid separation system and anaerobic digester on site reducing solids content of manure, concrete ramps that allow solid/slurry removal, and agitation boats to put solids in suspension during pump out. WSFs are proposed to be surveyed following the next engineering submittal to verify the remaining waste content of the storages.

Waste Storage	Total Vol. from Settled Top to Bottom	Remaining Waste	25-yr, 24-hr Precip. on Storage	25-yr, 24-hr Collected Runoff	Freeboard Vol.	Max. Operating Level (MOL) Vol.
Irish WSF1	22,710,125	0	866,954	0	1,770,590	20,072,581
Irish WSF2	22,710,125	0	866,954	0	1,770,590	20,072,581
Irish WSF3	1,683,640	0	160,238	997,486	209,023	316,893
Total MOL Vol:						40,462,055
Days of Storage:						234

Liquids Collected/Stored	Annual Gallons
Manure and Bedding	32,350,140
Parlor Wastewater	11,908,490
Feed Storage Leachate	517,225
Feed Storage Runoff Collected	6,830,558
Net Precipitation on Storage Surfaces	6,459,150
Offsite Waste	4,959,079
TOTAL:	63,024,642

Days of Available Liquid Waste Storage (Elm): The submitted information states that Holsum Dairies LLC (Elm Site) has 242 days of liquid waste storage based on the volumes listed in the table below with respect to s. NR 243.15(3)(i) to (k), Wis. Adm. Code. The current number of animal units at the Elm Site provided for the calculation is 7,210. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. All feed storage area runoff from the Elm site is captured and stored in WSF 4. Offsite waste is accepted from Briess Industries and McCain Foods. WSFs are stated to have a remaining waste value of 0 ft. Justification for the remaining waste value include the solid separation system and anaerobic digester on site reducing solids content of manure, fully concrete floor and ramps that allow solid/slurry removal, and agitation boats to put solids in suspension during pump out. WSFs are proposed to be surveyed following the next engineering submittal to verify annual remaining waste content of the storages.

Waste Storage	Total Vol. from Settled Top to Bottom	Remaining Waste	25-yr, 24-hr Precip. on Storage	25-yr, 24-hr Collected Runoff	Freeboard Vol.	Max. Operating Level (MOL) Vol.
Elm WSF1	5,275,356	0	255,822	0	466,578	4,552,956
Elm WSF2	29,624,299	0	879,077	0	1,777,363	26,967,859
Elm WSF3	20,853,509	0	677,174	0	1,373,215	18,803,120
Elm WSF4	1,678,695	0	125,877	1,106,105	246,606	200,107
Total MOL Vol:						50,524,042
Days of Storage:						242

Liquids Collected/Stored	Annual Gallons
Manure and Bedding	42,113,335
Parlor Wastewater	13,070,285
Feed Storage Leachate	638,925
Feed Storage Runoff Collected	6,799,957
Net Precipitation on Storage Surfaces	7,649,362
Offsite Waste	5,851,247
TOTAL:	76,123,111

Days of Available Liquid Waste Storage (Faro Springs): The submitted information states that Holsum Dairies LLC (Faro Springs Site) has 389 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 at the Faro Springs Site provided for the calculation is 2,350. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. All feed storage area runoff from the Faro Springs site is captured and stored in WSF 6. Offsite waste is accepted from Briess Industries and A&B Leist. The Faro Springs site is the recently purchased Schneider Farms Inc that will now be included in Holsum Dairies LLC's permit. Approximate storage volumes for each WSF were obtained from the previous Schneider Farms Inc evaluation review (R-2022-0053). Storage facilities are proposed to be surveyed following the next engineering submittal to verify if current WSFs conditions are still consistent with the previous evaluation submittal.

Waste Storage	Total Vol. from Settled Top to Bottom	Remaining Waste	25-yr, 24-hr Precip. on Storage	25-yr, 24-hr Collected Runoff	Freeboard Vol.	Max. Operating Level (MOL) Vol.
Underbarn Tanks	4,100,000	0	0	0	415,000	3,685,000
Faro WSF2	5,610,000	389,000	187,200	0	445,770	4,588,030
Faro WSF3	1,300,000	107,000	65,700	0	154,395	972,905
Faro WSF4	1,500,000	164,000	65,700	0	154,395	1,115,905
Faro WSF5	4,800,000	0	142,500	0	336,720	4,320,780
Faro WSF6	1,100,000	125,000	67,500	112,620	154,395	640,485
Total MOL Vol:						15,323,105
Days of Storage:						389

Liquids Collected/Stored	Annual Gallons
Manure and Bedding	10,866,196
Feed Storage Leachate	80,322
Feed Storage Runoff Collected	818,574
Net Precipitation on Storage Surfaces	2,261,850
Offsite Waste	348,941
TOTAL:	14,375,883

A proposed expansion of the facility to construct a new satellite site is include in the submittal for years 2027 – 2029. Animal units will be transferred between the satellite sites, with the total combined animal units in years 2027, 2028, and 2029 being 16,326, 20,021, and 20,164 respectively. Calculations for proposed conditions have not been reviewed since all plans and specifications for the proposed satellite site have not been received to date.

Should you have any questions, please contact Tony Salituro, 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



Tony Salituro
CAFO Review Engineer
Watershed Management Program

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Matt Woodrow; DATCP
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Aaron O'Rourke; DNR, Eau Claire
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Holly Stegemann; DNR-Northeast Region
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Joe B Baeten; DNR-Northeast Region
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Anthony Salituro; DNR-Central Office
(608) 444-2869; anthony.salituro@wisconsin.gov



October 10, 2025

Calumet County
Approval

Brent Cousins
Holsum Dairies LLC
N5701 Irish Rd
Hilbert, WI 54129

SUBJECT: Conditional Approval of Holsum Dairies LLC Nutrient Management Plan, WPDES
Permit No. 0061620-05-0

Dear Mr. Cousins:

After completing a review of Holsum Dairies 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 Holsum Dairies 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 15,434 animal units (8,565 milking & dry cows, 3,600 heifers, and 1,300 calves). A planned herd size of 20,164 animal units (13,565 milking & dry cows, 1,200 heifers, and 900 calves) by 2029.
2. Manure generation and spreading records indicate your herd will annually generate approximately 154,178,884 gallons of manure and process wastewater and 4,008 tons of solid manure in the first year of the permit term. After the proposed expansion in 2029, your herd will annually generate approximately 210,881,191 gallons of manure and process wastewater and 5,255 tons of solid manure.
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 Holsum Dairies LLC currently has 25,578.3 acres (2,670.1 owned and 22,908.2 controlled through contracts, rental agreements or leases, or under manure agreements) of which 24,885.2 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 Holsum Dairies 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 #
B Bangart A	CHILTON WASTEWATER TREATMENT FACILITY	54-A	100308
B Bangart A	CHILTON WASTEWATER TREATMENT FACILITY	54-B	100309
B Bangart A	CHILTON WASTEWATER TREATMENT FACILITY	54-C	102388
B Bangart B	CHILTON WASTEWATER TREATMENT FACILITY	54-B	100309
B Bangart D	CHILTON WASTEWATER TREATMENT FACILITY	54-A	100308
B Bangart D	CHILTON WASTEWATER TREATMENT FACILITY	54-B	100309
B Bangart D	CHILTON WASTEWATER TREATMENT FACILITY	54-D	103598
Dan Bangart 2	CHILTON WASTEWATER TREATMENT FACILITY	BANGART-B2	120907
Dan Bangart 3	CHILTON WASTEWATER TREATMENT FACILITY	BANGART-B3	120909
Dan Bangart 4	CHILTON WASTEWATER TREATMENT FACILITY	BANGART-B4	120910
Dan Bangart 5	CHILTON WASTEWATER TREATMENT FACILITY	BANGART-B5	120911
Dan Bangart 6	CHILTON WASTEWATER TREATMENT FACILITY	BANGART-B6	120912
Dan Bangart 7	CHILTON WASTEWATER TREATMENT FACILITY	BANGART-B7	120913

Dan Bangart 8	CHILTON WASTEWATER TREATMENT FACILITY	BANGART-B8	120915
Gebhart A	CHILTON WASTEWATER TREATMENT FACILITY	DG-A	81416
Gebhart A	CHILTON WASTEWATER TREATMENT FACILITY	DG-B	123199
Gebhart B	CHILTON WASTEWATER TREATMENT FACILITY	DG-B	123199
Gebhart C	CHILTON WASTEWATER TREATMENT FACILITY	DG-C	81417
Gebhart D	CHILTON WASTEWATER TREATMENT FACILITY	DG-D	123201
Gebhart E	CHILTON WASTEWATER TREATMENT FACILITY	DG-E	123204
Gebhart F	CHILTON WASTEWATER TREATMENT FACILITY	DG-F	123202
Konen 46	APPLETON WASTEWATER TREATMENT FACILITY	CAF-1	123050
Konen 46	APPLETON WASTEWATER TREATMENT FACILITY	KO-22	123051
Konen 7	APPLETON WASTEWATER TREATMENT FACILITY	KO-21	120773

Prior to any manure applications on these fields Holsum Dairies 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 Holsum Dairies 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: Holsum Dairies LLC is responsible for obtaining nutrient content values for all other wastes spread on any field in their NMP.

- The following fields are prohibited from receiving applications of manure or process wastewater:

- SLD 02-03 (>200ppm P)

If Holsum Dairies 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.

- 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.
- All liquid manure samples collected may be analyzed, at a minimum, for percent dry matter, total nitrogen, percent $\text{NH}_4\text{-N}$, percent $\text{NO}_3\text{-N}$, phosphorus, potassium, and sulfur.
- 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, Holsum Dairies LLC may use the following equation to adjust the first year available nitrogen when applications are injected or incorporated within 1 hour:

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

7. Holsum Dairies LLC shall record daily manure applications by using a farm specific daily log form. These forms shall be retained at the farm and provided to the department upon request.
8. Holsum Dairies 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 form Annual Spreading Report.

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 winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:

- HD 01	- HD 04	- HD 08
- HD 14	- HD 21	- HD 27
- HD 52	- HD 60	- HD 62
- HD 63	- HD 64	- Vollmer V1-3
- Vollmer B9-10		
11. Winter spreading of solid and liquid manure may not occur during the “high risk runoff period” pursuant to s. NR 243.14(6)(c) and NR 243.14(7)(c), respectively.
12. Winter applications of liquid manure shall only occur under emergency situations, after notifying the Department and receiving verbal approval.
13. Liquid applications shall be limited to 3,500 gallons per acre or 30 lbs. P per acre, whichever is less, on slopes 2-6% and 7,000 gallons per acre or 60 lbs. P per acre, whichever is less, on slopes 0-2%. Winter applications of solid manure shall be limited to 60 lbs. P per acre.

HEADLAND STACKING

14. No headland stacking sites are approved.

MANURE & PROCESS WASTEWATER IRRIGATION

15. Irrigation of manure or process wastewater is prohibited.

NR243.143/151.075 SILURIAN BEDROCK PERFORMANCE STANDARDS

16. Manure generated by Holsum Dairies LLC that is mechanically applied to the following approved fields meet planning requirements under NR243.143/151.075, Silurian bedrock performance standards. The following fields are required to meet all requirements under NR243.143/151.075, Silurian bedrock performance. Any fields not on this list that are identified as <20ft to Silurian bedrock must abide by the same rules:

B Bangart A	GX 02	Jim Bangart 1
B Bangart B	GX 03	Jim Bangart 2
B Bangart C	GX 04	Jim Bangart 3
B Bangart D	GX 05	John Mueller C2

B Bangart E	GX 08	John Mueller Cty H1
B Bangart M1	GX 09	John Mueller Har 1
Casper BS1	GX 10.11	John Mueller Har 2
Casper BS3	GX 12	John Mueller Holz A-D
Casper C1-2	GX 13	John Mueller Lem 1
Casper C4	GX 14	John Mueller P23
Casper D1	GX 15	John Mueller SR1
Casper DR2	GX 16	John Mueller SR2
Casper DR5	GX 17	Kiesner 12-13
Casper E1-RS3	GX 18	Kiesner 14
Casper E4-5	GX 19	Kiesner 15
Casper GH3	GX 20	Kiesner 16-21
Casper Kam 1	GX 21	Kiesner 36
Casper N1	GX 23	Konen 10
Casper R1	GX 26	Konen 11
Casper S2	GX 28	Konen 12
Casper S4	GX 32-33	Konen 13
Casper S6	GX 40	Konen 16
Casper TB1	GX 42	Konen 17
Clay Hill NNF	GX 47	Konen 18
CRF Kemps 1	GX 48	Konen 19
Dan Bangart 1	GX 49	Konen 2
Dan Bangart 2	GX 50-51	Konen 20
Dan Bangart 3	GX 52	Konen 21
Dan Bangart 5	GX 53	Konen 22
Dan Bangart 6	GX 54	Konen 3
Dan Bangart 7	GX 55	Konen 47
Dan Bangart 8	GX 56	Konen 7
Degeneffe 01	GX 59	Konen 8
Ecker 12	GX 60	Konen 9
Ecker 13	GX 61	Konen DL G1
Ecker 17	GX 62	Konen DL G2
Ecker 18	GX 63	Konen DL G3
Ecker 19	GX 66	Konen DL14
Ecker 8	GX 70	Moehn S16-20
FBF 130-132	GX 72	Popp 1
FBF 130W	GX 73	Popp 2
FBF 133	GX 74-75	Popp 3
FBF 134	GX 79	Propson 1
FBF 135-137	GX 80	Propson 10
FBF 138-141	GX 83	Propson 11-12
FBF 144-146	GX 84	Propson 2
FBF 147-150	HD 15	Propson 5A
FBF 151	HD 61	Propson 5B
FBF 38-41	Heller B1	Propson 6
FBF 43-44	Heller G and L 1-2 4-5	Propson 7
FBF 45	Heller Propson	Propson 8
FBF 46-49	Heller Puetz 1	Propson 9
FBF 47	Hilrose 11S	Schaefer 13
FBF 48	Hilrose 25	Schaefer 14
FBF 50-51	Hilrose 26	Schaefer 20

FBF 52	Hilrose 27	Schaefer 21-26
FBF 68-69	Hilrose 28	Schwarz 31
FBF 70	Hilrose 29	Schwarz 32
FBF 85-88	Hilrose 30	Schwarz 33
FBF 89 98-105	Hilrose 31	Schwarz 36
FBF 90-96	Hilrose 32	Schwarz 37
FBF 97	Hilrose 33	Schwarz 38
Gebhart A	Hilrose 34	Schwarz 41
Gebhart B	Hoerth H-1	Schwarz 42
Gebhart C	Hoerth H-2	Schwarz 43
Gebhart D	Hoerth H-3	SLD 09
Gebhart E	Hoerth H-4	SLD 10-11
Gebhart F	Hoerth H-5	SLD 15
Gebhart N	Hoerth H-6	SLD 16
GX 01	Hoerth H-7	SLD 18-19
SLD 20		

SUBMITAL AND RECORDKEEPING REQUIREMENTS

17. A copy of this conditional approval shall be included in all future annual Nutrient Management Plan Updates in addition to the NR 243 and NRCS 590 checklists.
18. **Within 30 days of this approval, please submit the farm specific Daily Log form that will be used by the farm. This form must be reviewed and approved by the department prior to use.**

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

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

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

Sincerely,



Aaron O'Rourke
WDNR Nutrient Management Program Coordinator

Wisconsin Department of Natural Resources

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