Permit Fact Sheet

General Information

Permit Number	WI-0058572-06-1
Permittee Name and Address	Siemers Holstein Farm Inc 14421 Mineral Springs Rd, Newton, WI 53063
Permit Term	April 01, 2024 to March 31, 2028
Discharge Location	Main Farm: 14421 Mineral Springs Road; Newton, WI (T17N, R22E, Sec. 21); WKK Farm: N8775 County Road M; Herman, WI (T16N, R22E, Sec. 16); Satellite WSF (WSF 8): South Cleveland Road; Newton, WI (NE ¼ of T17, R22E, Sec. 33)
Receiving Water	Tributaries of the Meeme River and Fisher Creek within the Pigeon River Watershed, and groundwaters of the state
Discharge Type	Existing

Animal Units					
	Current AU		**Proposed AU** **(Note: If all zeroes, expansions are not expected during permit term)**		
Animal Type	**Mixed**	**Individual**	**Mixed**	**Individual**	**Date of Proposed Expansion**
Dairy Calves (under 400 lbs.)	900			0	
Milking and Dry Cows	6600			0	
Heifers (400 lbs. to 800 lbs.)	240			0	
Total	9,564		11,046	0	

Facility Description

Siemers Holstein Farm Inc is an existing Concentrated Animal Feeding Operation (CAFO). Siemers Holstein Farm Inc is owned and operated by the Siemers family. The facility currently has a herd size of 9,564 animal units. The facility plans to expand to 11,046 animal units during the permit term. When the full expansion is reached, the farm will generate approximately 94,546,926 gallons of manure and process wastewater and 5,749 tons of solid manure. After the planned expansion is completed, the facility will have approximately 365 days of liquid waste storage onsite. Siemers Holstein Farm Inc currently has 10,723 acres (1,946 owned, and 8,777 controlled through contracts, rental agreements or leases, or under manure agreements).

Siemers Holstein Farm Inc requested a modification to its WPDES permit to accommodate the use of a new waste storage facility. A new sample point describing this facility has been added to the permit. Only aspects of the modification action are subject to the public input process. This includes the addition of sample point 019.

After a desk top review of all discharge monitoring reports, land application reports, compliance schedule items, and a site visit on 4/11/2025; this facility has been found to be in substantial compliance with their current permit.

Compliance determination made by Trenton Brenny (CAFO Specialist) on 6/8/2026.

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	Sample point 001 is for liquid waste storage facility 1 (WSF 1; "Upper Lagoon"). WSF 1 is a clay lined storage that serves as the third stage of storage at the Main Farm. WSF 1 has a capacity of 10,514,230 gallons and was constructed in 1995. This storage accepts manure and process wastewater from the freestall barns, sand settling lanes, and feed storage runoff control systems. WSF 1 was last evaluated in 2018 and met permit requirements.	
002	Sample point 002 is for liquid waste storage facility 2 (WSF 2; "Lower Lagoon). WSF 2 is a clay lined storage that serves as the second stage for manure storage at the Main Dairy. WSF 2 has a capacity of 17,786,895 gallons and was constructed in 2006. This storage accepts manure and process wastewater from WSF 1 - Upper Lagoon.	
003	Sample point 003 is for the liquid waste storage facility (WSF) located at the WKK Farm. The WKK Farm WSF is an in-place earthen storage with a concrete bottom. This facility has a capacity of 1,860,000 gallons and was constructed in 1983. This storage accepts manure and process wastewater from the freestall barn at the WKK Farm. The WKK Farm WSF was last evaluated in 2011 and met permit requirements.	
004	Sample point 004 is for the sand settling lanes at the Main Farm. This facility was constructed in 2006 and accepts manure and process wastewater from the milking parlors and holding areas.	
005	Sample point 005 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 should be taken for each manure source type.	
007	Sample point 007 is for visual monitoring and inspection of the feed storage area and associated runoff control system located at the Main Dairy. 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 the monitoring program.	
010	Sample point 010 is for liquid waste storage facility 3 (WSF 3) located at the Main Dairy. WSF 3 is a concrete composite storage that serves as the first stage of the manure storage. The facility has a capacity of 5,539,188 gallons and was constructed in 2012. This storage accepts manure and process wastewater from the freestall barns.	
011	Sample point 011 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	

Sample Point Designation For Animal Waste		
Sample Point Number	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**	
	is required to keep uncontaminated runoff diverted away from manure and process wastewater handling systems. Weekly inspections are required and shall be recorded according to the monitoring program.	
012	Sample point 012 is for manure solids removed from the bottom of liquid waste storage facilities. This includes manure-laden sand solids, manure fiber solids, etc. Representative samples shall be taken from each waste storage facility.	
013	Sample point 013 is for the solid waste sand stacking area at the Main Dairy. The sand stacking pad is a concrete storage located on the east side of the "Upper Lagoon". The facility was constructed in 2014 and serves as storage for new and recycled sand at the operation.	
014	Sample point 014 is for the liquid waste storage facility that accepts feed storage runoff at the Main Dairy. The feed storage runoff basin is a concrete composite storage located north of the feed storage areas. The facility has a capacity of 3,758,441 gallons and was constructed in 2017.	
015	Sample point 015 is for solid manure stacked in approved headland stacking locations. Representative samples shall be taken of this manure prior to land application. Note: Headland stacking sites are subject to production site discharge limitations; weekly visual monitoring is required during use of stacking sites to ensure discharges meet permit requirements	
016	Sample point 016 is for separated manure solids. These are typically reused as bedding and stored in the separation buildings. 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. Separated solids may also be distributed to another party according to Department approval and Distribution of Manure and Process Wastewater section of permit.	
017	Sample point 017 addresses all digested liquids located within the proposed digester cells. Manure will be piped from a proposed manure processing building to the digesters and then returned to the existing & proposed manure processing buildings (for solids removal) after the digestion is completed. Liquids will then be transferred to WSF 1, WSF 2, or WSF 3 for long term storage. Sampling from within the digester cell(s) for nutrient content is only required if the liquids are to be manually pumped from the cell(s) and directly land applied. Plans and specifications for the digesters were reviewed & approved by the Department on August 12, 2021.	
019	Sample point 019 is for liquid waste storage facility 8 (WSF 8) located approximately one mile south of the Home Farm production area. WSF 8 is a clay-lined storage with a maximum operation level of 53,147,597 gallons. It was constructed in 2025 with Department approval. This storage accepts manure and process wastewater from the WSFs at the Home Farm via subsurface pipeline.	

Permit Requirements

1 Livestock Operations - Proposed Operation and Management

Production Area Discharge Limitations

Beginning on the effective date of the permit, the permittee may not discharge pollutants from the operation's production area (e.g., manure storage areas, outdoor animal lots, composting and leachate containment systems, milking center

wastewater treatment/containment systems, raw material storage areas) to navigable waters, except in the event a 25-year, 24-hour rainfall event (or greater) causes the discharge from a structure which is properly designed and maintained to contain a 25-year, 24-hour rainfall event for this location as determined under s. NR 243.04. If an allowable discharge occurs from the production area, state water quality standards may not be exceeded.

Runoff Control

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

Manure and Process Wastewater Storage

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

The permittee currently has approximately 365 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 10,786 animal units, it is estimated that approximately 94,546,926 gallons of manure and process wastewater will be produced per year. The permittee owns *approximately* 1,946 acres of cropland and rents about 8,777 acres. Given the rotation commonly used by the permittee, 10,624 acres are available (or open) to receive manure and process wastewater on an annual basis. The permit requires all landspreading of manure and process wastewater be completed in accordance with an approved nutrient management plan. The permit will require sampling and analysis of manure and process wastewater that will be landspread. Landspreading rates must be adjusted based on sample analysis. The permit requires the permittee to maintain a daily log that documents landspreading activities. The permit also requires the submittal of an annual report that summarizes all landspreading activities. Plans must be updated annually to reflect cropping plans and other operational changes. Among the requirements, the plans must include detailed landspreading information including field by field nutrient budgets.

The permittee is required to implement a number or practices to address potential water quality impacts associated with the land application of manure and process wastewater. Among the permit conditions are restrictions on manure ponding, restrictions on runoff of manure and process wastewater from cropped fields, and setbacks from wells and direct conduits to groundwater (e.g., sinkholes, fractured bedrock at the surface). In addition, the permittee must implement a phosphorus

based nutrient management plan that addresses phosphorus delivery to surface waters by basing manure and process wastewater applications on soil test phosphorus levels or the Wisconsin Phosphorus index. Additional phosphorus application restrictions apply to fields that are high in soil test phosphorus (>100 ppm).

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

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

Monitoring and Sampling Requirements

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

Sampling Points

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

1.1 Sample Point Number: 001- WSF 1 - Upper Lagoon; 002- WSF 2 - Lower Lagoon; 003- WKK Farm WSF; 010- WSF 3; 014- Feed Storage Runoff Basin; 017- Digested Liquids, and 019- WSF 8

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

No changes were made to Sample Point 001, 002, 003, 010, 014, or 017. Sample Point 019 was added to the permit.

1.1.2 Explanation of Operation and Management Requirements

Liquid manure and process wastewater is required to be sampled twice per month that land application occurs. Samples are to be analyzed for the parameters listed in the table above. Land application shall occur in accordance with the operation's approved nutrient management plan. Liquid manure storage structures shall be inspected according to the operation's monitoring and inspection program. Inspection findings shall be submitted to the department annually on January 31.

1.2 Sample Point Number: 004- Sand Settling Lanes; 005- Solid Manure; 012- Settled Solid Manure; 013- Sand Stacking Pad; 015- Headland Stacking Sites, and 016- Separated Solids

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

1.2.1 Changes from Previous Permit

No changes were made to Sample Point 004, 005, 012, 013, 015 or 016.

1.2.2 Explanation of Operation and Management Requirements

Solid manure is required to be sampled once per quarter that land application occurs. Samples are to be analyzed for the parameters listed in the table above. Land application shall occur in accordance with the operation's approved nutrient management plan. Solid manure storage structures shall be inspected according to the operation's monitoring and inspection program. Inspection findings shall be submitted to the department annually on January 31.

1.3 Sample Point Number: 007- Feed Storage & Runoff Controls and 011- Storm Water Runoff Controls

1.3.1 Changes from Previous Permit

No changes were made to Sample Point 007 or 011.

1.3.2 Explanation of Operation and Management Requirements

Sample Points 007 and 011 are required to be inspected in accordance with the operation's monitoring and inspection program. Results shall be submitted to the department annually on January 31.

2 Schedules

2.1 Emergency Response Plan

Required Action	Due Date
Develop Emergency Response Plan: Develop a written Emergency Response Plan within 30 days of permit coverage, available to the Department upon request.	05/01/2023

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 60 days of the effective date of this permit.	06/01/2023

2.3 Annual Reports

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.	01/31/2024
Submit Annual Report #2: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2025
Submit Annual Report #3: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2026
Submit Annual Report #4: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2027
Submit Annual Report #5: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2028
Ongoing Annual Reports: Continue to submit Annual Reports until permit reissuance has been completed.	

2.4 Nutrient Management Plan

Required Action	Due Date
Management Plan Submittal: Submit any necessary updates to the Nutrient Management Plan to meet the conditions outlined in this permit (see conditions in the Livestock Operational and Sampling Requirements section).	
Management Plan Annual Update #1: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2024
Management Plan Annual Update #2: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2025
Management Plan Annual Update #3: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2026
Management Plan Annual Update #4: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2027
Management Plan Annual Update #5: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2028
Ongoing Management Plan Annual Updates: Continue to submit Annual Updates to the Nutrient Management Plan until permit reissuance has been completed.	

2.5 Permit Application Submittal

Required Action	Due Date
Permit Application Submittal: Submit a complete permit application to the Department no later than 180 days prior to permit expiration.	10/01/2027

2.6 Explanation of Schedules

Schedule items 2.1, 2.2, 2.3, 2.4, 2.5 and 2.6 are typical and required for all CAFO permittees.

Attachments

Map(s)

Plan Approval Letter(s)

Justification Of Any Waivers From Permit Application Requirements

Reason for permit modification does not require a new 5-year NMP submittal.

Prepared By: Trent Brenny

Agricultural Runoff Management Specialist

Date: 6/8/2026


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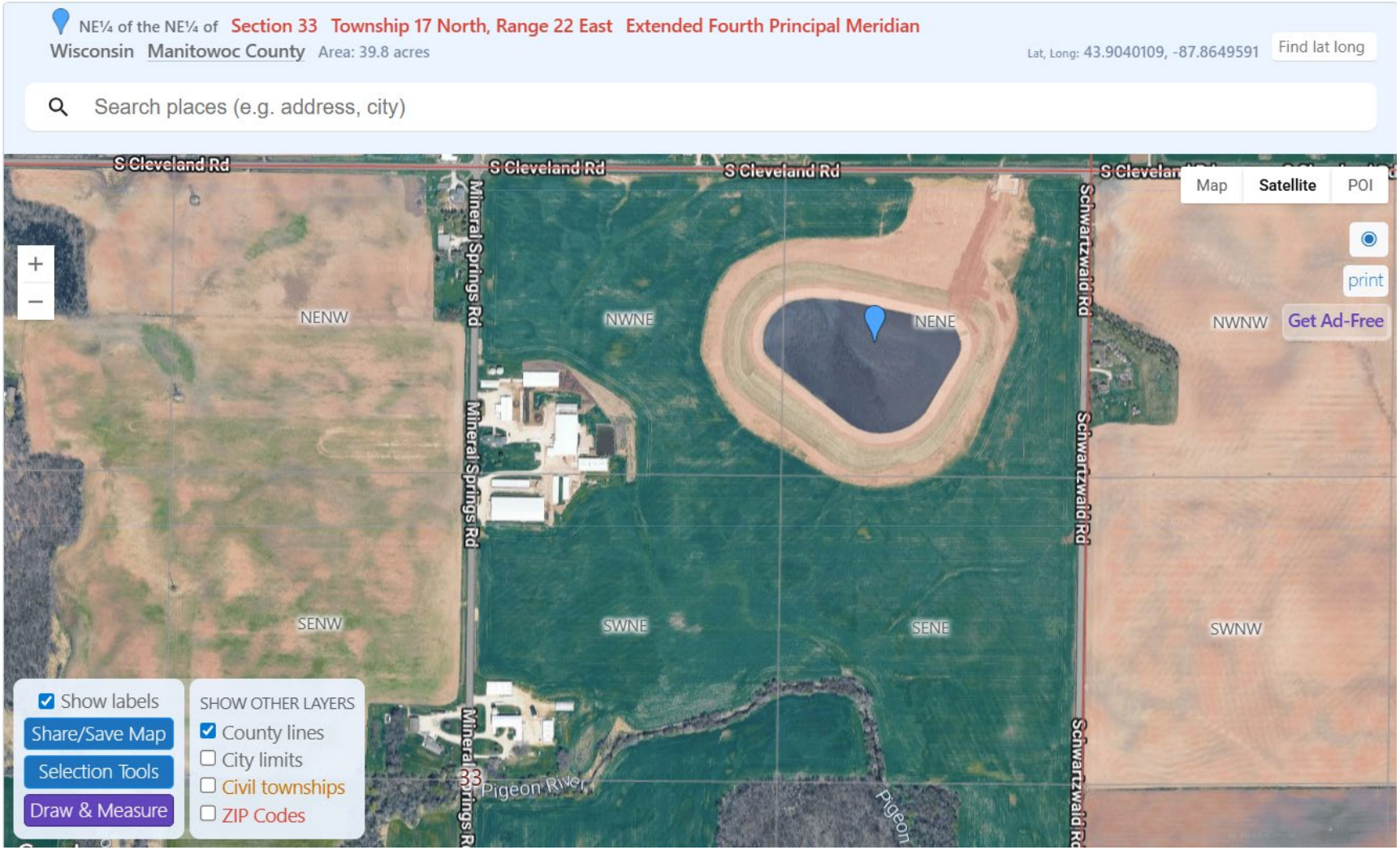
XX
M
Siemers Holsteins
W Washington Rd
W Washington Rd
Siemers WSF 8

Manitowoc County, Wisconsin - Section Township and Range Map



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April 18, 2025

FILE REF: R-2024-0067
WPDES Permit #: WI-0058572

Dan Siemers
Siemers Holstein Farm Inc.
14421 Mineral Spring Road
Newton, WI 53063

Subject: Days of Storage Review for Siemers Holstein Farm Inc. in T17N, R22E, Section 21 in Meeme Township, Manitowoc County – NO ADDITIONAL ACTION REQUIRED

Dear Mr. Siemers:

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 originally submitted by Andy Dexheimmer, Miller Engineers & Scientists on March 18, 2024, with a revised set of information submitted on April 15, 2025 for a permit modification to allow the addition of WSF8 as a new sample point, on behalf of Siemers Holstein Farm Inc.

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 Siemers Holstein Farm Inc. has 365 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 11,046. There is currently no plan for expansion noted. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values and based upon a collection period of 365 days. There is full collection of leachate and contaminated runoff from the feed storage areas and the sand stacking bunker for up to the 25-yr, 24-hr storm.

Waste Storage	Total Volume	Remaining Waste	25-yr, 24-hr Precipitation on Storage	25-yr, 24-hr Collected Runoff	Freeboard Volume	Max. Operating Level (MOL) Volume
WSF1 (Cell#1)	6,542,507	407,151	162,328	0	433,840	5,539,187
WSF2 (Lower)	23,462,267	3,542,528	580,744	0	1,552,100	17,786,895
WSF3 (Upper)	17,235,959	4,766,130	512,174	74,707	1,368,840	10,514,108
WSF4 (LMP)	5,160,602	0	197,313	822,831	527,340	3,613,118

WSF5 (WKK)	2,366,770	171,666	89,561	0	239,360	1,866,183
WSF8	66,468,387	72,017	1,279,565	0	11,969,208	53,147,597
					Total MOL Volume:	92,467,088
					Days of Storage:	**365**

Manure & Bedding:	61,860,326 gallons
Wastewater:	10,639,750 Gallons
Total Feed Storage Leachate:	654,500 gallons
Total Feed Storage Runoff Collected:	6,515,068 gallons
Net Precipitation on Storage Surfaces:	12,757,288 gallons
Total Liquid Waste Stored Below the MOL:	**92,426,932 gallons**

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

NOTICE OF APPEAL RIGHTS

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

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

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

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