

Permit Fact Sheet

General Information

Permit Number	WI-0065986-02-0
Permittee Name and Address	Allen VandeHei N8322 County Rd Y, Seymour, WI 54165
Permitted Facility Name and Address	Allen VandeHei n8370 cty rd y seymour
Permit Term	August 01, 2024 to July 31, 2029
Discharge Location	Main Dairy- N8370 Cty Rd Y, Seymour, WI 54165 SW¼ NW¼ Sec.24 T24N R18E Linsmeyer Rd Farm- W1598 Linsmeyer Rd, Seymour, WI 54165 SE¼ SW¼ Sec.13 T24N R18E Green Farm (Offsite Waste Storage)- N9916 State Rd 55, Seymour, WI 54165 SE¼ NW¼ Sec.9 T24N R18E Rottier Place- N8322 Cty Rd Y, Seymour, WI 54165 SE ¼ NE ¼ Sec.14 T24N R18E.
Receiving Water	Unnamed tributary streams within the Duck Creek, Suamico, and Little Suamico River Watersheds, Lake Michigan Basin, 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.)	60	0	0	0	
Milking and Dry Cows	1890	1931	0	0	
Heifers (400 lbs. to 800 lbs.)	150	250	0	0	
Heifers (800 lbs. to 1200 lbs.)	550	500	0	0	
Total	2650	2681	0	0	

Facility Description

Brief Facility Description: Allen VandeHei doing business as Vande Hei Farms is an existing Concentrated Animal Feeding Operation (CAFO). Vande Hei Farms was previously covered by general permit number WI-0063274-01 for large dairy CAFOs. Vande Hei Farms is owned and operated by Allen Vande Hei. Schedules have been included in the permit for engineering evaluations of the feed pad runoff controls, and engineering evaluations of a waste storage structures. As of the most recent submittal, Vande Hei Farms currently has 2,650 animal units. At this animal unit level it

is expected that 24,402,085 gallons of manure and process wastewater and 2,500 tons of solid manure will be produced. The current herd size and liquid manure storage capacity yields 213 days of liquid manure storage. The operation's nutrient management plan has a total of 2,947 acres available for land application of manure and process wastewater.

Substantial Compliance Determination

Enforcement During Last Permit: No enforcement actions were taken during the previous permit term.

After a desk top review of all annual reports, NMP updates, land app reports, compliance schedule items. This facility has been found to be in substantial compliance with their current permit.

Compliance determination entered by Makayla Jacobs on 3/17/2025.

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 the small liquid waste storage facility (WSF) located at the main dairy. The small WSF is an in-place earthen storage with a concrete floor located just north of the freestall barns. The facility has a MOL capacity of 1 million gallons and was modified in 2008, when it became cell one of a two-cell waste storage system. This storage accepts manure and process wastewater from animal housing.
002	Sample point 002 is for the big liquid waste storage facility (WSF) located at the main dairy. The big WSF is an in-place earthen storage located just north of the small WSF. The facility has a MOL capacity of 3 million gallons and was constructed in 2008. It is cell two of a two-cell waste storage system. This storage accepts manure and process wastewater from the small WSF, parlor wash water, and feed storage area runoff.
003	Sample point 003 is for the liquid waste storage facility (WSF) located at the Linsmeyer Rd Farm. The Linsmeyer Rd WSF is an in-place earthen storage. The facility has a MOL capacity of 0.6 million gallons and was constructed in 1990. This storage accepts manure and process wastewater from animal housing and the Linsmeyer Rd Farm concrete lots.
004	Sample point 004 is for the Green farm offsite liquid waste storage facility (WSF). It is an above-ground circular concrete storage, and was constructed in 2006. The facility has a MOL capacity of 1.4 million gallons. Manure and process wastewater is periodically transferred to this WSF from the main dairy or Linsmeyer Rd farm. The Green farm WSF was last evaluated in 2019.
005	Linsmeyer Rd West Concrete Lot - Sample point 005 is for visual monitoring and inspection of the west concrete feedlot and associated runoff control system located at the Linsmeyer Rd farm. Feedlot runoff gravity flows into the Linsmeyer Rd farm WSF. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program. The lot is occasionally used to stack solid manure during the winter or times of wet weather. This was last evaluated in 2024.
006	WSF Solids Removal - Sample point 006 is for and manure solids removed from bottom of all liquid waste storage facilities (WSF). This includes manure-laden sand solids, manure fiber solids, etc. Representative samples shall be taken from each liquid WSF.

Sample Point Designation For Animal Waste	
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)
007	Headland Stacking Sites (solids) - Sample point 007 is for solid manure land applied from approved headland stacking sites. Headland stacking sites are subject to production site discharge limitations. Weekly visual monitoring of runoff controls is required during use of stacking sites to ensure discharges meet permit requirements.
008	Miscellaneous Solid Manure (solids) - Sample point 008 is for any miscellaneous solid manure generated by Vande Hei Farms and land applied without being stored in a WSF. Representative samples from all sources (maternity pen bedpack, calf hutches, waste feed mixed with manure, solids stacked on concrete lots, etc) shall be taken.
009	Sample point 009 is for visual monitoring and inspection of animal outdoor vegetated areas located at the Linsmeyer Rd farm. Proper operation and maintenance is required to ensure sufficient vegetative cover, as defined in s. NR 243.03 is sustained. Quarterly inspections are required and shall be recorded according to monitoring program.
010	Feed Storage Area - Sample point 010 is for visual monitoring and inspection of the concrete feed storage area and associated runoff control system. Its surface area was expanded in 2017 to approximately 150,000 square feet. Runoff controls consist of a collection system and vegetated treatment area. See the permit schedules section for requirements.
012	Linsmeyer Rd East Concrete Lot - Sample point 012 is for visual monitoring and inspection of the east concrete feedlot and associated runoff control system located at the Linsmeyer Rd farm. Feedlot runoff gravity flows into the Linsmeyer Rd farm WSF. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program. The lot is occasionally used to stack solid manure during the winter or times of wet weather.
013	Calf Hutch Area - Sample point 013 is for visual monitoring and inspection of the calf hutch area runoff controls. Calves are housed at the main dairy in hutches bedded in straw on a gravel base. There are no engineered runoff controls. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program.
014	Sample point 014 is for liquid waste storage facility (WSF) 5 located at Rottier Place. WSF 5 is the first cell in a two-cell system used for sand settling. It is an in place clay pit with a concrete floor and ramp which holds 0.7 million gallons at the MOL. This pit was constructed in 2007. This storage accepts manure and process wastewater from animal housing. WSF 5 was last evaluated in 2017 and met permit requirements.
015	Rottier Place WSF 5 (solids) - Sample point 015 is for solids removed from waste storage facility (WSF) 5 located at Rottier Place. A description of the WSF is included in sample point 014.
016	Sample point 016 is for liquid waste storage facility (WSF) 6 located at Rottier Place. WSF 6 is the second cell in a two-cell system. It is a concrete lined pit after 2022 expansion which holds 7 million gallons at the MOL. This storage accepts manure and process wastewater from Rottier Place WSF 5. WSF 6 was built in 2007 and reconstructed in 2022.
017	Sample point 017 is for the Rottier Place stacking pad located on the north side of the production site on the west end of the small barn. It was constructed in 2022 and used to store solid manure from the adjacent

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

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 213 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 2650, it is estimated that approximately 24,402,085 of manure and process wastewater will be produced per year. The permittee owns *approximately* 600 acres of cropland and rents about 2,347. Given the rotation commonly used by the permittee, 2,906.9 acres are available (or open) to receive manure and process wastewater on an annual basis. The permit requires all landspreading of manure and process wastewater be completed in accordance with an approved nutrient management plan. The permit will require sampling and analysis of manure and process wastewater that will be landspread. Landspreading rates must be adjusted based on sample analysis. The permit requires the permittee to maintain a daily log that documents landspreading activities. The permit also requires the submittal of an annual report that summarizes all landspreading activities. Plans must be updated annually to reflect cropping plans and other operational changes. Among the requirements, the plans must include detailed landspreading information including field by field nutrient budgets.

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

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

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

Monitoring and Sampling Requirements

The permittee must submit a monitoring and inspection program that outlines how the permittee will conduct self-inspections to determine compliance with permit conditions. These self-inspections include visual inspections of water lines, diversion devices, storage and containment structures and other parts of the production area. The permit requires periodic inspections and calibrations of land spreading 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- Main Dairy Small WSF (liquids); 002- Main Dairy Big WSF (liquids); 003- Linsmeyer WSF (liquids); 004- Green Farm WSF (liquids); 014- Rottier Place WSF 5 (liquids); 016- Rottier Place WSF 6 (liquids)

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

1.1.1 Changes from Previous Permit

Sample point language was updated to describe existing facilities more accurately.

1.1.2 Explanation of Operation and Management Requirements

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

1.2 Sample Point Number: 005- Linsmeyer Rd W Lot; 009- Animal Outdoor Vegetated Areas; 010- Feed Storage Area; 012- Linsmeyer Rd E Lot; 013- Calf Hutch Area, and 017- Rottier Place Stacking Pad

1.2.1 Changes from Previous Permit

Sample point language was updated to describe existing facilities more accurately.

1.2.2 Explanation of Operation and Management Requirements

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

1.3 Sample Point Number: 006- WSF Solids Removal (solids); 007- Stacking Sites (solids); 008- Misc. Solid Manure (solids), and 015- Rottier Place WSF 5 (solids)

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

1.3.1 Changes from Previous Permit

Sample point language was updated to more accurately describe existing facilities.

1.3.2 Explanation of Operation and Management Requirements

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

2 Schedules

2.1 Emergency Response Plan

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

2.2 Monitoring & Inspection Program

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

Required Action	Due Date
Proposed Monitoring and Inspection Program: Consistent with the monitoring and sampling requirements subsection, the permittee shall update and submit a proposed monitoring and inspection program within 30 days of the effective date of this permit.	06/01/2025

2.3 Annual Reports

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

Required Action	Due Date
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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.	

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
NMP 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).	
NMP 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	03/31/2026
NMP 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	03/31/2027
NMP 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	03/31/2028
NMP 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	03/31/2029
NMP 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	03/31/2030
Ongoing Management Plan Annual Updates: Continue to submit Annual Updates to the Nutrient Management Plan until permit reissuance has been completed.	

2.5 Feed Storage - Engineering Evaluation

Applicable to sample point 010, run off controls for existing feed storage area.

Required Action	Due Date
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Written Description of Existing System: Submit an engineering evaluation that includes a written description of the existing feed storage area run off controls and its adequacy to meet the conditions found in the Production Area Discharge Limitations subsection and NR 243.15, Wis. Adm. Code.	12/31/2025
Plans and Specifications: Submit plans and specifications for Department review and approval to permanently correct any adverse conditions identified as part of the engineering evaluation for the feed storage area in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code.	12/01/2026
Corrections and Post Construction Documentation: Complete construction of improvements to permanently correct 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.	07/31/2027

2.6 Manure Storage Facility - Engineering Evaluation

Applicable to sample point 003 (Linsmeyer WSF 3)

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.)	08/01/2026
Plans and Specifications: Submit plans and specifications for Department review and approval in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code, to permanently correct any adverse manure storage conditions.	12/31/2027
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.	10/01/2028

2.7 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	11/01/2029

2.8 Explanation of Schedules

Emergency Response Plan, Monitoring and Inspection Program – Schedules consistent with permit requirements.

Annual Reports, Nutrient Management Plan, Submit Permit Reissuance Application - Schedules consistent with permit requirements.

Schedule 2.5 was included to ensure the feed storage area described in sample point 010 at the main site meets permit discharge limitations. The feed storage area was not previously approved or evaluated by the department, therefore requires an evaluation under NR 243.16.

Schedule 2.6 was included to ensure that the WSF described in sample point 003 meets permit discharge limitations. An evaluation is required per 243.16 (2).

Attachments

Map(s)

Plan Approval Letter(s)

- 3/4/2025 – Conditional NMP Approval
- 2/28/2025 – Days of Storage Review
- 7/27/2023 – Reissuance Inspection Report

Public Notice

Justification Of Any Waivers From Permit Application Requirements

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

Prepared By: Makayla Jacobs

Agricultural Runoff Management Specialist

Date: 3/18/2025



February 28, 2025

FILE REF: R-2024-0274
 WPDES Permit #: WI-0065986

Allen Vandehei
 Allen VandeHei
 N8322 County Rd Y
 Seymour, WI 54165

Subject: Days of Storage Review for Allen VandeHei, NE¼ of T24N, R18E, Section 14 in Seymour Township, Outagamie County – NO ADDITIONAL ACTION REQUIRED

Dear Mr. Vandehei:

This letter is to inform you that the Wisconsin Department of Natural Resources (Department) has completed its review of the calculation of days of storage submitted under certification by Quint Krueger, Outagamie County LCD on October 10, 2024 with revisions received on February 3, 2025 on behalf of Allen VandeHei.

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 Allen VandeHei has 213 days of liquid waste storage based on the volumes listed in the table below with respect to s. NR 243.15(3)(i) to (k), Wis. Adm. Code. The current number of animal units provided for the calculation is 2,650. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. The existing feed storage area has first flush collection of 0.25", with the remainder transferred to a vegetated treatment area on site. It is proposed to include upgrading the feed storage area runoff controls in the permit schedule. Two feedlots on site capture all runoff, up to the 25yr – 24hr storm.

Waste Storage	Total Vol. from Settled Top to Bottom	Solids Storage	25-yr, 24-hr Precip. on Storage	25-yr, 24-hr Collected Runoff	Freeboard Vol.	Max. Operating Level (MOL) Vol.
Main Farm Sand Cell	1,354,059	0	78,231	27,496	216,262	1,032,070
Main Farm Liquid Cell	4,541,848	525,371	166,981	0	465,126	3,384,370
Wiliquet Pit	1,155,870	187,922	68,349	73,792	188,574	637,233
Green Pit	2,037,515	339,562	59,989	0	169,781	1,468,183
Rottier Sand Cell	952,174	0	75,805	0	208,814	667,555
Rottier Main Pit	5,306,770	589,707	194,599	0	542,025	3,980,439
Rottier Pit Expansion	3,737,974	249,084	117,941	0	325,848	3,045,102
Total MOL Vol:						14,214,953
Days of Storage:						213

Liquids Collected/Stored	Annual Gallons
Manure and Bedding	15,460,184
Parlor Wastewater	3,921,195
Feed Storage Leachate	10,001
Feed Storage Runoff Collected (0.25" Flush)	861,548
West Feedlot Runoff	180,252
East Feedlot Runoff	321,157
Net Precipitation on Storage Surfaces	3,647,748
TOTAL:	24,402,085

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

NOTICE OF APPEAL RIGHTS

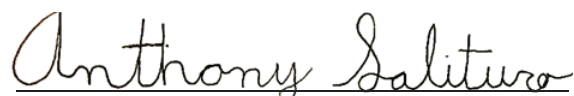
If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to WIS. STAT. §§ 227.52 and 227.53, 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
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Watershed Management Program

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Makayla Jacobs; DNR-Northeast Region
(920) 573-8033; makayla.jacobs@wisconsin.gov

Joe B Baeten; DNR-Northeast Region
(920) 366-2072; Joseph.Baeten@wisconsin.gov

Anthony Salituro; DNR-Central Office
(608) 444-2869; anthony.salituro@wisconsin.gov

Falon French; DNR-Central Office
(608) 228-5265; falon.french@wisconsin.gov



March 4, 2025

Outagamie County
Approval

Allen Vandehei
Allen VandeHei
N8322 County Rd Y
Seymour, WI 54165

SUBJECT: Conditional Approval of Allen VandeHei Nutrient Management Plan, WPDES Permit No. 0065986-02-0

Dear Allen Vandehei:

After completing a review of Allen VandeHei 2024-2028 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 Allen VandeHei 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 2650 animal units (1350 milking & dry cows, 750 heifers, and 300 calves). Currently there are no planned expansions in the next permit term.
2. Manure generation and spreading records indicate your herd will annually generate approximately 24,402,085 gallons of manure and process wastewater and 2,500 tons of solid manure in the first year of the permit term.
3. The use of application restriction options 1 and 5 within surface water quality management areas.
4. The use of phosphorus delivery method P Index.
5. That Allen VandeHei currently has 2,947 acres (600 owned and 2,347 controlled through contracts, rental agreements or leases, or under manure agreements) of which 2,906.9 are spreadable acres.
6. That all fields will be checked for the following features prior to/during manure or process wastewater applications: soil areas with possible shallow groundwater (i.e., within 24 inches of surface) at the time of manure application; required setbacks associated with wells, navigable waters, conduits to navigable waters, grassed waterways, wetlands, possible soil erosion/flow channels.

7. That surface applications of manure will not be completed when precipitation capable of producing runoff is forecasted within 24 hours of the time of planned application.

CONDITIONAL NUTRIENT MANAGEMENT PLAN APPROVAL

The Department hereby approves the 2024-2028 Allen VandeHei 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 #
Bob Leigang goat east	BADGER STATE WASTE LLC	ALE-1	84457

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

3. The following fields are prohibited from receiving applications of manure or process wastewater until updated soil samples can be taken:
 - Rettman

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

4. If existing fields yield a soil test results equal to or greater than 200 ppm P, those fields would be prohibited from receiving manure or process wastewater applications, unless you obtain Department approval in accordance with NR 243.14(5)(b)2., Wis. Adm. Code.
5. All liquid manure samples collected may be analyzed, at a minimum, for percent dry matter, total nitrogen, percent NH₄-N, percent NO₃-N, phosphorus, potassium, and sulfur.
6. If manure sample results have a dry matter (DM) content less than 2.0% and the percent ammonium (NH₄⁺) is greater than 75% of the total N, Allen VandeHei 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. Allen VandeHei shall record daily manure applications by using form 3200-123A.

8. Allen VandeHei shall annually submit a spreading report that summarizes the land application activities listed under NR 243.19(3)(c)5., Wis. Adm. Code by using form 3200-123.

WINTER SPREADING

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:
 - Frank L
 - W3-4
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.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

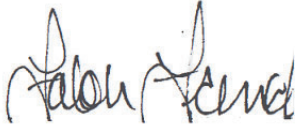
16. A copy of this conditional approval shall be included in all future annual Nutrient Management Plan Updates in addition to the NR 243 and NRCS 590 checklists.

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

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

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

Sincerely,



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

cc: Makayla Jacobs, WDNR Agricultural Runoff Specialist (makayla.jacobs@wisconsin.gov)
Joe B Baeten, WDNR Watershed Field Supervisor (Joseph.Baeten@wisconsin.gov)
Christopher Clayton, WDNR Runoff Management Section Chief (Christopherr.Clayton@Wisconsin.gov)
Aaron O'Rourke, WDNR Nutrient Management Program Coordinator (Aaron.Orourke@Wisconsin.gov)
Ashley Scheel, WDNR CAFO Nutrient Management Plan Reviewer (Ashley.Scheel@Wisconsin.gov)
Anthony Salituro, WDNR CAFO Engineer (anthony.salituro@wisconsin.gov)
Greg Baneck, Outagamie County (greg.baneck@outagamie.org)
Scott Frank, Shawano County (scott.frank@shawanocountywi.gov)
Phil Stern, Stern Crop Consulting (sterncrop@gmail.com)
File

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

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



July 27, 2023

Allen VandeHei
VandeHei Farms
N8322 County Rd Y
Seymour, WI 54165

WPDES Permit No. WI- 0065986-01-1
Outagamie County

Subject: Permit Reissue Application Reminder and Walkover Inspection Report

Dear Mr. VandeHei:

On May 17, 2023, the department conducted a walkover inspection of your dairy, VandeHei Farms. Results and photos are included in the enclosed report. The department has noted actions items required prior to permit reissuance on page 21 in the enclosed report.

VandeHei Farm's WPDES permit will expire July 31, 2024. A permit reissuance application is due to the department by January 1, 2024.

Page 21 of the enclosed report includes a detailed list of "materials required as part of the permit application". Review this section carefully.

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

Sincerely,



Bethani Chambers
Agricultural Runoff Management Specialist

Enclosure: VandeHei Farms Reissuance Inspection Report

Electronic CC:
Joe Baeten, McKenna Arnoldi, Falon French- DNR
Outagamie County LCD
Phil Stern - Stern Crop Consulting

CAFO Compliance Report (7/27/2023)



Inspection Date: May 17, 2023

Inspection Type: Reissuance Inspection

Operation Name: VandeHei Farms

WPDES Permit No. 0065986-01-1

Operation Addresses:

Main Farm: N8370 Cty Rd Y, Seymour, WI 54165

Linsmeyer Rd Farm: W1598 Linsmeyer Rd, Seymour, WI 54165

Rottier Place: N8322 Cty Rd Y, Seymour, WI 54165

Green Farm (Offsite Waste Storage)- N9916 State Rd 55, Seymour, WI 54165

On-Site Representative(s): Allen VandeHei - Authorized Representative, Owner/Operator

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

On May 17, 2023 Chambers and Kenna Arnoldi (DNR Nutrient Management Specialist) met with Allen VandeHei (Authorized Representative) to conduct a reissuance inspection of VandeHei Farms. Inspections were conducted at sites currently covered under the WPDES Permit: Main Farm, Linsmeyer Road Farm, Rottier Place, and the Green Farm. No precipitation had fallen 24 hours prior to the inspection, conditions during the inspection were warm and dry. The farm is currently in substantial compliance with its permit conditions. Follow up permit items are described on page 21. Several items will be included in Vandehei Farm's reissued WPDES Permit, a follow up discussion will take place to determine appropriate dates for those items.



Figure 1. Aerial overview of Vandehei Farms: Main Farm. Yellow arrows indicate flow paths for manure or leachate, blue arrows indicate surface water flow.

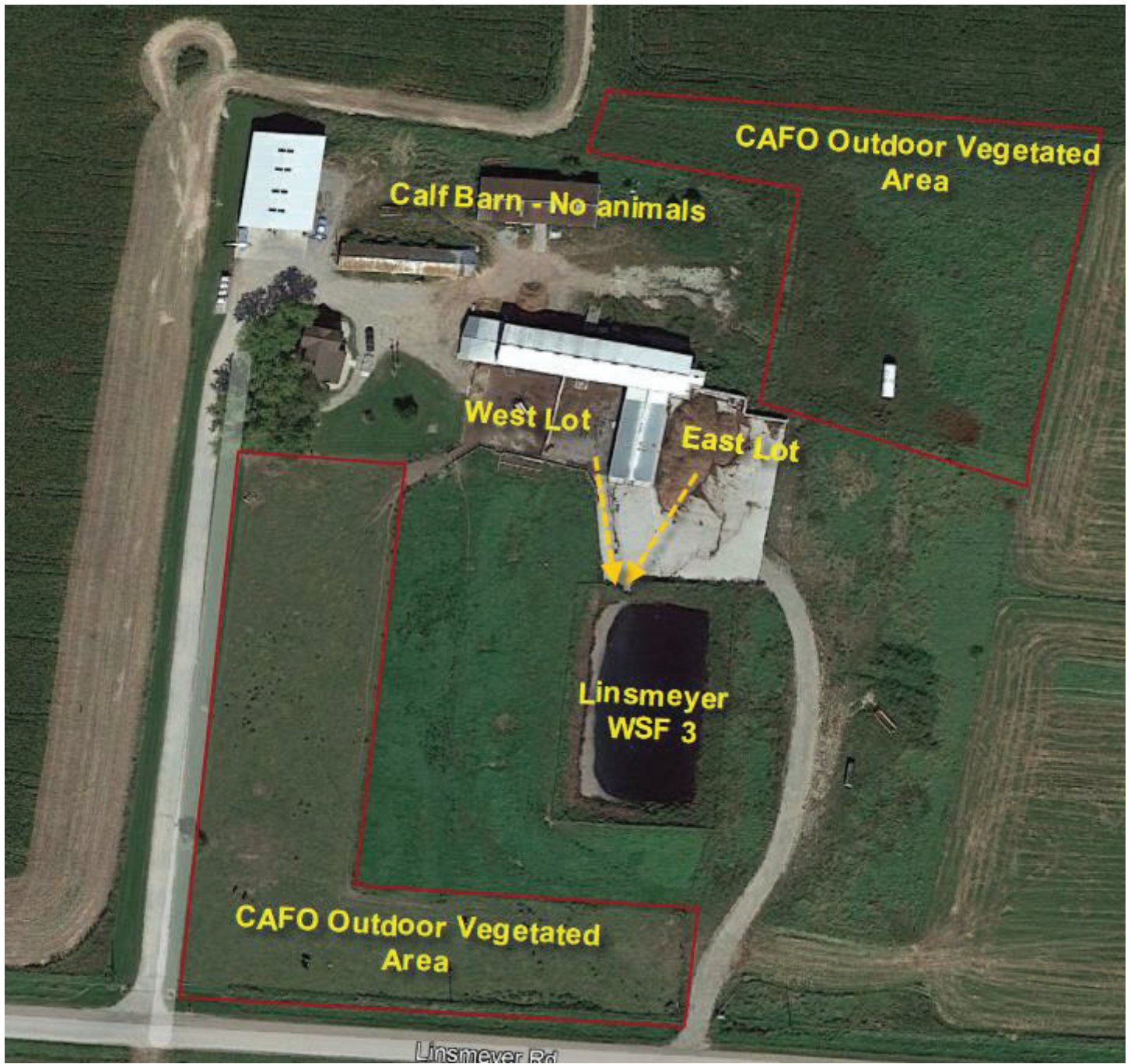


Figure 2. Aerial overview of Vandehei Farms: Linsmeyer Road site yellow arrows indicate flow paths for manure or leachate.



Figure 3. Aerial overview of Vandehei Farms: Green Farm site



Figure 4. Aerial overview of Vandehei Farms: Rottier Place site



Figure 5. Aerial overview of Vandehai Farms, Main Farm and Linsmeyer Road sites in relation to surface water features.



Figure 6. Aerial overview of Vandehei Farms, Rottier Place site in relation to surface water features.

SITE OBSERVATIONS

Feedlot Runoff

Vandehei Dairy utilizes outdoor feedlot areas at the Linsmeyer Road site. The Main Farm lot has been abandoned since the last inspection. No manure or animals were present on the lot during the last inspection. The west animal lot at the Linsmeyer Road site had animals at the time of the inspection, the east animal lot was being used to store animal feed. Animals have access to an outdoor vegetated area from the west lot. Runoff from both lots is intended to be stored in WSF 3. Runoff controls on site appear to be functioning as designed, no indications of unauthorized discharges were observed.

Feedlot areas are managed to not have current or past indicators of discharges.

Feedlot areas runoff controls are well-maintained, in good repair, and meet permit requirements.



Photo #:	001
Date/ Time:	5/17/ 2023/ 2:46 PM
Photo Location:	Main Farm
Photo By:	Bethani Chambers

Photo Description: Abandoned outdoor lot at the main farm

Photo Direction: SW



Photo #:	002
Date/ Time:	5/17/ 2023/ 3:01 PM
Photo Location:	Linsmeyer Farm
Photo By:	Bethani Chambers

Photo Description: View of the west lot at the Linsmeyer Farm

Photo Direction: SE

Calf Hutch Area

Calves are kept in hutches at the Main farm. Larger youngstock kept in barns at the Linsmeyer site, A. Vandehei stated that these animals would be moved to the Rottier site once ready. At the Main Site calves are bedded on straw with a gravel base. The gravel based had been recently cleared and replaced. No engineered runoff controls are present. No runoff was observed during the inspection, the adjacent grassed ditch was clear of manure or contaminated runoff.

Calf Hutch areas are managed to not have current indicators of discharges



Photo #:	003
Date/ Time:	5/17/ 2023/ 2:20 PM
Photo Location:	Main Farm
Photo By:	Bethani Chambers

Photo Description: Calf hutch area, calves are bedded on a hay with a gravel base

Photo Direction: E



Photo #:	004
Date/ Time:	5/17/ 2023/ 2:23 PM
Photo Location:	Main Farm
Photo By:	Bethani Chambers

Photo Description: View of ditch adjacent to calf hutch area

Photo Direction: W

Waste Storage Facilities

Manure and process wastewater are permitted to be stored in six waste storage facilities, WSF 1-2 located at the Main Farm, WSF 3 at the Linsmeyer Road site, WSF 4 at the Green Farm, and WSF 5-6 located at the Rottier Place site.

Main Farm:

- WSF 1-2: WSF 1-2 are an earthen lined 2-celled system located to the west of the Main Farm Feed storage area. WSF 1 was modified in 2008, and WSF 2 was constructed in the same year. WSF 1 serves as the initial cell of the system and has a concrete bottom. Overflow from this storage flows into WSF 2, via a concrete channel. Permanent marker designations were not observed during the inspection, suspected to have been damaged. Required fencing was also observed. WSF 1 accepts manure and process wastewater from the adjacent animal barns and parlor. WSF 2 accepts manure and process wastewater from WSF 1 and runoff from the feedlot and feed storage areas.

Linsmeyer Road Site:

- WSF 3: WSF 3 is an earthen lined storage located to the east side of the Linsmeyer site and was constructed in 1990. WSF 3 accepts manure and process wastewater from the animal barns and feedlot areas. Permanent markers and required fencing were observed.

Green Farm:

- WSF 4: WSF 4 is a concrete lined above-ground circular storage located at the Green site and was constructed in 2019 and was last evaluated in 2021. WSF 4 is intended to be used as a transfer storage for land applications. Permanent markers and required fencing were observed. Manure levels in the pit were above the MOL, the storage was due to be pumped following the inspection.

Rottier Place Site:

- WSF 5-6: WSF 5-6 are a concrete lined 2-celled system located to the south side of the Rottier place site and were last evaluated in 2017 and upgraded in 2022. WSF 5 accepts manure and process wastewater from the adjacent animal barns. WSF 6 accepts manure and process wastewater from WSF 5. Permanent markers were observed, and only partial fencing was present.
- Solid manure is also stored in a concrete storage area, no indications of runoff.

Solid and liquid waste storage facilities are managed to not have current or past indicators of discharges. Solid and liquid waste storage structures are well-maintained, in good repair. Additional markers and fencing are needed.



Photo #:	005
Date/ Time:	5/17/ 2023/ 2:42 PM
Photo Location:	Main Farm
Photo By:	Bethani Chambers

Photo Description: View of earthen lined with a concrete floor, first cell WSF 1

Photo Direction: SW



Photo #:	006
Date/ Time:	5/17/ 2023/ 2:43 PM
Photo Location:	Main Farm
Photo By:	Bethani Chambers

Photo Description: View of earthen lined, second cell WSF 2 with concrete overflow channel from WSF 1

Photo Direction: NW



Photo #:	007
Date/ Time:	5/17/ 2023/ 3:14 PM
Photo Location:	Linsmeyer Farm
Photo By:	Bethani Chambers

Photo Description: View of earthen lined WSF 3

Photo Direction: SW



Photo #:	008
Date/ Time:	5/17/ 2023/ 3:14 PM
Photo Location:	Linsmeyer Farm
Photo By:	Bethani Chambers

Photo Description: View of WSF 3's permanent marker

Photo Direction: W



Photo #:	009
Date/ Time:	5/17/ 2023/ 3:48 PM
Photo Location:	Green Farm
Photo By:	Bethani Chambers

Photo Description: View of concrete lined WSF 4

Photo Direction: NW



Photo #:	010
Date/ Time:	5/17/ 2023/ 3:48 PM
Photo Location:	Green Farm
Photo By:	Bethani Chambers

Photo Description: View of WSF 4's permanent maker

Photo Direction: NE



Photo #:	011
Date/ Time:	5/17/ 2023/ 3:24 PM
Photo Location:	Rottier Place
Photo By:	Bethani Chambers

Photo Description: View of concrete lined, first cell WSF 5

Photo Direction: W



Photo #:	012
Date/ Time:	5/17/ 2023/ 3:25 PM
Photo Location:	Rottier Place
Photo By:	Bethani Chambers

Photo Description: View of concrete lined, second cell WSF 6

Photo Direction: SW

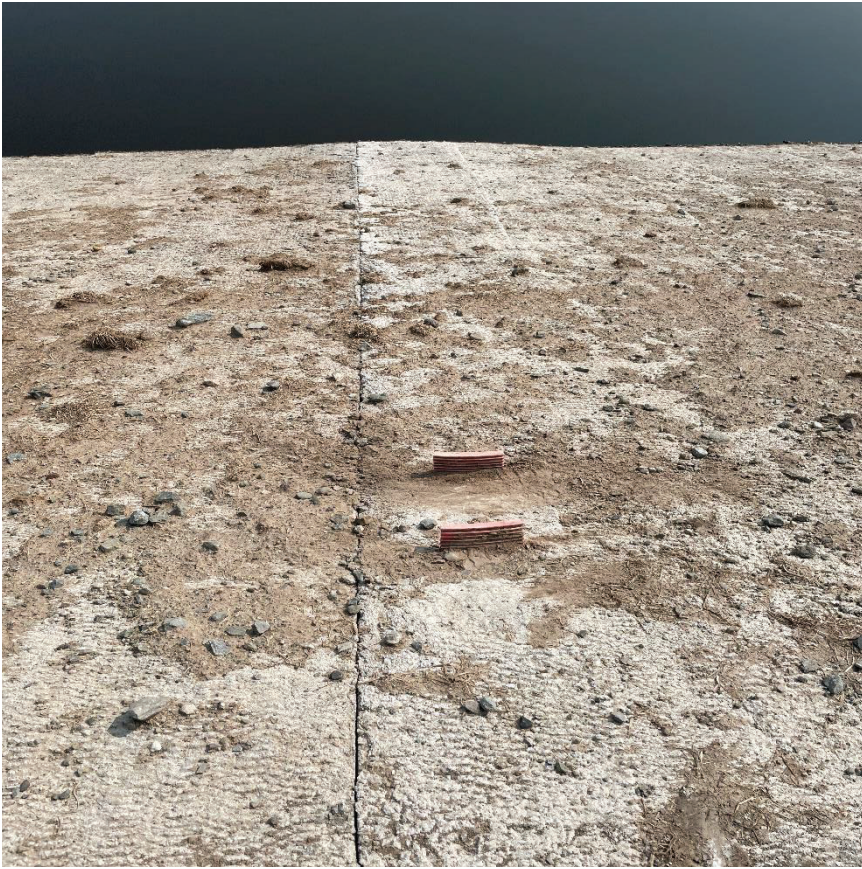


Photo #:	013
Date/ Time:	5/17/ 2023/ 3:26 PM
Photo Location:	Rottier Place
Photo By:	Bethani Chambers

Photo Description: View of WSF 6's permanent marker

Photo Direction: S



Photo #:	014
Date/ Time:	5/17/ 2023/ 3:33 PM
Photo Location:	Rottier Place
Photo By:	Bethani Chambers

Photo Description: View of concrete solids storage area

Photo Direction: N

Feed Storage Area Runoff

Feed is kept on a designated concrete pad and covered with plastic at the Main Farm, with an additional temporary stack present at the Linsmeyer site. Runoff from the feed storage area is directed towards the east side of the pad to a collection tank and pump. First flush runoff volume is collected in WSF 2, while additional runoff is directed towards a VTA. At the time of the inspection the VTA did not appear to be in sufficient vegetation. A. Vandehei indicated that there had been a pump failure prior to the inspection which led to an overflow. No indications of pollutants leaving the system was observed. Chambers requested that Vandehei Farms regrade and reseed the VTA as soon as possible. On 6/1/2023 Chambers received documentation that this had been completed by A. Vandehei. Proper operation and maintenance as well as weekly inspections should be occurring for the feed storage runoff controls.

Feed storage areas and runoff control systems are in need of repair. Repairs completed on 6/1/2023



Photo #:	015
Date/ Time:	5/17/ 2023/ 2:39 PM
Photo Location:	Main Farm
Photo By:	Bethani Chambers

Photo Description: View of concrete feed storage area

Photo Direction: NW



Photo #:	015
Date/ Time:	5/17/ 2023/ 2:28 PM
Photo Location:	Main Farm
Photo By:	Bethani Chambers

Photo Description: View of pump, part of the FSA runoff controls

Photo Direction: N



Photo #:	016
Date/ Time:	5/17/ 2023/ 2:29 PM
Photo Location:	Main Farm
Photo By:	Bethani Chambers

Photo Description: View of VTA and spreader bar. Solids observed, with sparse vegetation

Photo Direction: SE



Photo #:	017
Date/ Time:	5/17/ 2023/ 2:34 PM
Photo Location:	Main Farm
Photo By:	Bethani Chambers

Photo Description: View of VTA facing farm, vegetation present, some solids observed

Photo Direction: W



Photo #:	018
Date/ Time:	5/17/ 2023/ 3:33 PM
Photo Location:	Linsmeyer Farm
Photo By:	Bethani Chambers

Photo Description: View of covered feed pile at the Linsmeyer farm

Photo Direction: S



Photo #:	019
Date/ Time:	5/26/ 2023/ 12:47 PM
Photo Location:	Main Farm
Photo By:	Allen Vandehei

Photo Description: View of regraded and reseeded VTA, provided by Allen Vandehei

Photo Direction: SE

Animal Mortality Disposal

Mortalities are kept in designated areas prior to pickup by OJ Krull. Animal mortalities are managed to not have current or past indicators of discharges.

Ancillary Service Areas

Barn gutters are in placed on buildings at the Linsmeyer site, driveways and walkways appeared to be maintained to prevent contamination of clean water from manure.

A CAFO outdoor area is used at the Linsmeyer site. Sufficient vegetation was observed.

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.).



Photo #:	020
Date/ Time:	5/17/ 2023/ 3:02 PM
Photo Location:	Linsmeyer Farm
Photo By:	Bethani Chambers

<p>Photo Description: View of outdoor vegetated area, sufficient vegetation observed</p> <p>Photo Direction: SE</p>

RECORDS REVIEW

The permittee has a 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 on site, a monitoring and inspection plan was provided to the farm.

The permittee is not up to date on required reporting and actions as specified in the Schedules section of permit.

Vandehei Dairy utilizes the CAFO calendar to keep track of inspections and pit levels are recorded weekly on a separate document.

SUMMARY

Substantial Compliance

The permittee is in substantial compliance with the permit.

Areas of Concern

- The feed storage area VTA has the potential for an unauthorized discharge.

Permit Noncompliance

None

Action Items

1. Submit to the department by 9/1/2023 an operation and maintenance plan for the feed storage VTA to include a commitment for the required weekly inspection of the system
2. Submit to the department by 10/1/2023 documentation of the installation of the missing MOL and MOS marker(s)
 - a. WSF 2 – MOL & MOS
3. Create or modify current hauling log for manure applications to include groundwater verification and weather information as applicable. A copy of this log should be included in the farms next NMP update, March 31, 2024

Items for Next Permit Term

1. Per [NR 243.16\(2\)](#), an evaluation of WSF 3, constructed in 1990 will be required
2. As supported by the signed stipulated agreement, plans and specifications for permanent FSA runoff controls will be required

Materials Required as part of the Permit Application

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

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

Manure Hauling Audit 5-19-2023

On May 19, 2023, Chambers conducted an announced manure hauling audit on 1 field applied to by Vandehel Farms. The field audited was John Krouse and is approved to receive manure and process wastewater according to Tidy View Dairy's nutrient management plan as fields 190-Krause West and 190-Krause East. The field received manure applications on 5/19/2023. Associated audit form is included with this report. Observations and photo log are included below. Information regarding groundwater verification was not received, the department recommends that the farm works with its agronomist to discuss verification of groundwater prior to manure applications.

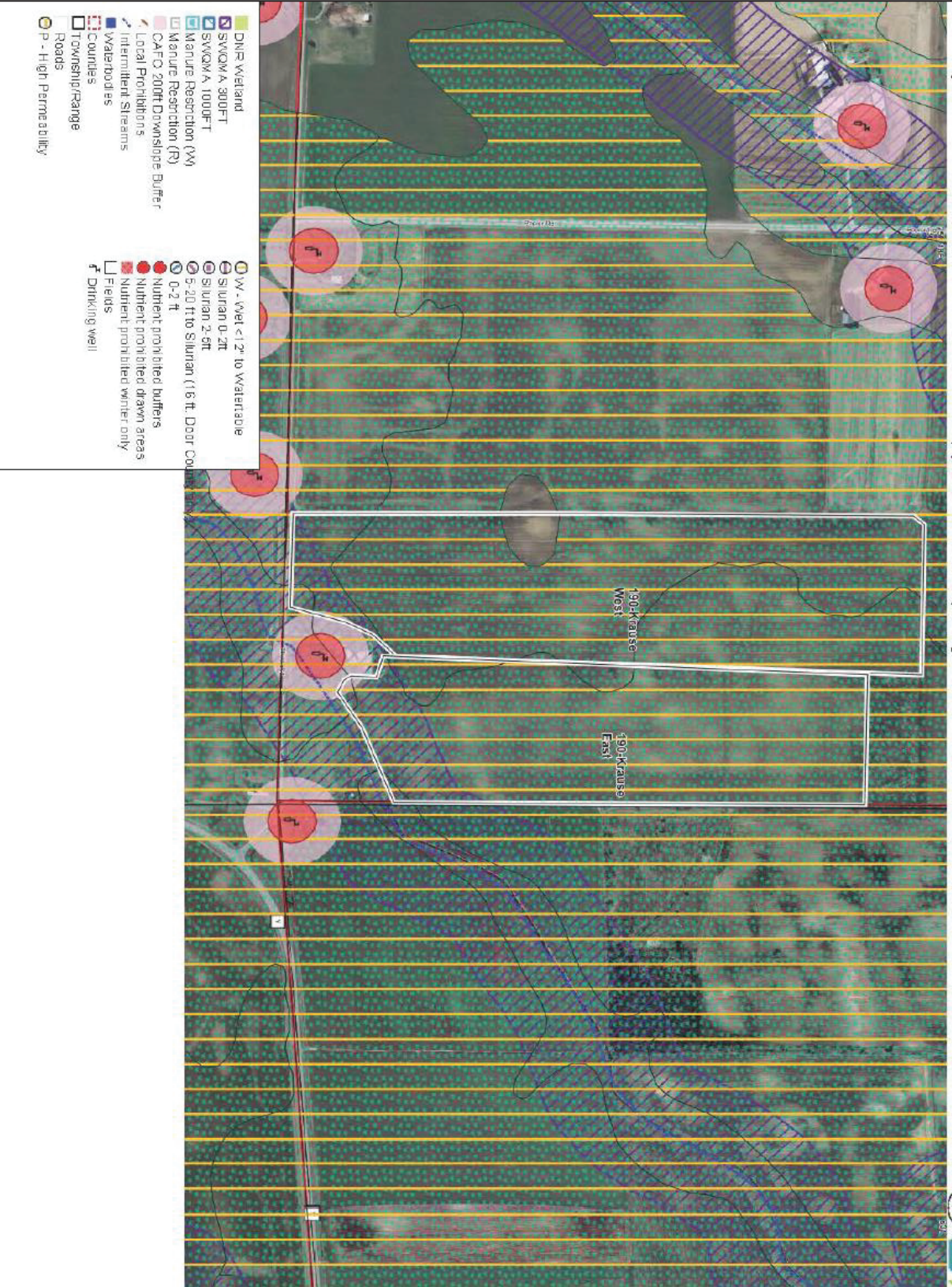


Photo #:	001	Photo Description: View of application on field John Krouse, looking towards the west. Hose seen in the background Photo Direction: NW
Date/ Time:	5/19/2023 / 12:15 PM	
Photo Location:	John Krouse	
Photo By:	Bethani Chambers	



Photo #:	002	Photo Description: View of application on field John Krouse, looking towards the west. Hose seen in the background Photo Direction: NW
Date/ Time:	5/19/2023 / 12:15 AM	
Photo Location:	John Krouse	
Photo By:	Bethani Chambers	

190-Krause West, 190-Krause East
 Farm: Tidy View Farms Inc., V18 Generated: 3/19/2020, Crop year: 2019, Township Range Section: 25N 19E S31



- DNR Wetland
- SWQM A 300FT
- SWQM A 1000FT
- Manure Restriction (M)
- CARO 200th Downslope Buffer
- Local Prohibitions
- Intermittent Streams
- Waterbodies
- Counties
- Township/Range
- Roads
- P - High Permeability
- W - Wet < 12' to Waterable
- S - Suran 0-2ft
- S - Suran 2-5ft
- S - 5-20 ft to Suran (16 ft. Door Col 0-2 ft)
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Nutrient prohibited winter only
- Fields
- Drinking well