

Permit Fact Sheet

General Information

Permit Number	WI-0049034-07-0
Permittee Name and Address	Verhasselt Farms Ltd W873 Golden Glow Rd, Kaukauna, WI 54130
Permitted Facility Name and Address	Verhasselt Farms Ltd N3835 Section Line Road Kaukauna
Permit Term	October 01, 2026 to September 30, 2031
Discharge Location	Apple-Ashwaubenon Creek and groundwaters of the state
Receiving Water	groundwater in Apple and Ashwaubenon Creeks Watershed of Lower Fox River Basin in Outagamie County
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
Total	6000	0	0	0	

Facility Description

Verhasselt Farms Ltd is an existing Concentrated Animal Feeding Operation (CAFO). Verhasselt Farms Ltd is owned and operated by Bruce, Mike, and Ken Verhasselt. It currently has 6,000 animal units and based on current herd size Verhasselt Farms has approximately 271 days of liquid manure storage. Verhasselt Farms generates 43,033,300 gallons of liquid manure and process wastewater and 2,957 tons of solid manure annually. Verhasselt Farms has a total of 8,768.2 acres available for land application of manure and process wastewater. Of this acreage, 2,148.8 acres are owned and 6,619.4 acres are rented or controlled through contacts.

Substantial Compliance Determination

There was no enforcement on their last term.

After a desktop review of all discharge monitoring reports, CMARs, land app reports, compliance schedule items, and a site visit on 5/26/2026 this facility has been found to be in substantial compliance with their current permit.

Compliance determination made by Makayla Jacobs, Agricultural Runoff Specialist on 8/12/2026.

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	WSF 1: Sample point 001 is for liquid manure and process wastewater land applied from waste storage facility 1. WSF 1 is an earthen lined pit located south of the furthest barn to the east, at the dairy site, directly west of Section Line Road, with a maximum operating level of 3,014,936 gallons and was constructed in 1991. This storage accepts process wastewater from the adjacent animal barns and the feed storage area runoff controls.	
002	WSF 2: Sample point 002 is for liquid manure and process wastewater land applied from waste storage facility 2. WSF 2 is an earthen lined pit located directly west of WSF 1, with a maximum operating level of 9,976,713 gallons and was combined with WSF 3 in 2023 with department approval. This storage accepts manure and process wastewater from the adjacent animal barns and emergency overflow from the digester pad.	
003	WSF 3: Sample point 003 is for liquid manure and process wastewater land applied from waste storage facility 3. WSF 3 is an earthen lined pit located west of WSF 2, with a maximum operating level of 12,032,047 gallons and was constructed in 2007. This storage accepts manure and process wastewater from the adjacent animal barns and digester system.	
004	WSF 4: Sample point 004 is for liquid manure and process wastewater land applied from waste storage facility 4. WSF 4 is an earthen lined pit located at the Van Rossum Farm, north of the parlor, with a maximum operating level of 7,084,500 gallons and was constructed in 2000. The west side of the basin has a ramp and concrete floor to aid in the removal of solids. This storage accepts manure and process wastewater from the adjacent animal barns. An evaluation was submitted for this facility in 2025 and is pending department approval.	
005	WSF 6: Sample point 005 is for liquid manure and process wastewater land applied from waste storage facility 6. WSF 6 is an earthen lined pit located at the Home Farm on Golden Glow Rd and serves as additional storage as needed. It was constructed in 1981 and has a maximum operating level of 2,005,946 gallons.	
006	Misc. Solid Manure: Sample point 006 is for any solid manure directly hauled and land applied and not stored in a waste storage facility. Representative samples from all sources (maternity pen bedpack, concrete stackings pads, etc.) shall be taken.	
009	Feed Storage Area - Dairy Site: Sample point 009 is for visual monitoring and inspection of the feed storage area and associated runoff control system located at Dairy Site. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program.	
010	Settled Solid Manure: Sample point 010 is for any manure solids removed from bottom of liquid waste storage facilities. This includes manure-laden sand solids, manure fiber solids, etc. Representative samples shall be taken from each waste storage facility.	
011	Storm Water Runoff Controls: 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 is required to keep uncontaminated runoff diverted away from manure	

Sample Point Designation For Animal Waste		
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)	
	and process wastewater handling systems. Weekly inspections are required and shall be recorded according to monitoring program.	
012	Digested Liquids: Sample point 012 is for all digested liquids located within the digester system. Manure is transferred from the existing animal barns to the digester. After the digestion process is complete, liquids will then be transferred to WSF 2 or 3. 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.	
013	Separated Solids: Sample point 013 is for separated manure solids. These are typically reused as bedding and stored in the solid's separation building located to the south of the existing storage lagoons. Separated solids may also be distributed to another party according to Department approval and Distribution of Manure and Process Wastewater section of permit.	
014	WSF 5: Sample point 014 is for liquid manure and process wastewater land applied from waste storage facility 5. WSF 5 is an earthen lined pit located at the Van Rossum Farm, east of the parlor and north of the steer barn, with a maximum operating level of 216,000 gallons. This storage accepts manure and process wastewater from the adjacent animal barn. This facility was last evaluated in 2025 and is pending department approval.	
015	WSF 7: Sample point 015 is for liquid manure and process wastewater land applied from waste storage facility 7. WSF 7 is an earthen lined pit located at the County J site, with a maximum capacity of 1,002,000 gallons and serves as additional storage as needed.	
016	Feed Storage Area - Van Rossum: Sample point 016 is for visual monitoring and inspection of the feed storage area and associated runoff control system located at the Van Rossum Farm. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program. This facility has a compliance schedule item to be evaluated.	

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 271 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.

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 6000 animal units, it is estimated that approximately 43,033,300 of manure and process wastewater will be produced per year. The permittee owns *approximately* 2,148.8 acres of cropland and rents about 6,619.4. Given the rotation commonly used by the permittee, 8,528.3 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- WSF 1 ; 002- WSF 2 ; 003- WSF 3 ; 004- WSF 4; 005- WSF 6; 012- Digested Liquids ; 014- WSF 5; 015- WSF 7

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

- WSF 2 is now a combined site that incorporates what was previously known as WSF 3.
- WSF 3 was previously known as WSF 4.
- WSF 4 is now a WSF located at the Van Rossum Farm and was previously identified as a pit at the Dairy Site.
- WSF 5 is now a WSF located at the Van Rossum Farm and was previously known as the Home Farm Pit.
- WSF 6 is now the Home Farm Pit, which was previously known as WSF 5.
- WSF 7 is a new pit located on County JJ.

1.1.2 Explanation of Operation and Management Requirements

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

1.2 Sample Point Number: 006- Misc. Solid Manure; 010- Settled Solid Manure; 013- Separated Solids

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

1.2.1 Changes from Previous Permit

N/A

1.2.2 Explanation of Operation and Management Requirements

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

1.3 Sample Point Number: 009- Feed Storage Area - Dairy Site; 011- Storm Water Runoff Controls, and 016- Feed Storage Area - Van Rossum Farm

1.3.1 Changes from Previous Permit

Added sample point 016 which is a new feed storage area located at the Van Rossum Farm

1.3.2 Explanation of Operation and Management Requirements

There is no required nutrient sampling for the runoff control sample points. Rather, weekly or quarterly inspections are required and shall be recorded according to the monitoring plan and submitted with the Annual Report.

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.	11/01/2026

2.2 Monitoring & Inspection Program

Required Action	Due Date
Proposed Monitoring and Inspection Program: Consistent with the Monitoring and Sampling Requirements subsection, the permittee shall submit a proposed monitoring and inspection program within 30 days of the effective date of this permit.	11/01/2026

2.3 Annual Reports

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

Required Action	Due Date
Submit Annual Report #1: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2027
Submit Annual Report #2: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2028
Submit Annual Report #3: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2029
Submit Annual Report #4: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2030
Submit Annual Report #5: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2031
Ongoing Annual Reports: Continue to submit Annual Reports until permit reissuance has been completed.	

2.4 Nutrient Management Plan

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

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

Submit NMP Update #5: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.	03/31/2031
Ongoing Management Plan Annual Updates: Continue to submit Annual Updates to the Nutrient Management Plan until permit reissuance has been completed.	

2.5 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	03/30/2031

2.6 Manure Storage Facility - Engineering Evaluation

Applicable to WSF 4, 5, and 7 (sample point 004, 0014, 015)

Required Action	Due Date
Retain Expert: Retain a qualified expert to complete an engineering evaluation for the manure storage facilities and report the name of the expert to the Department.	11/01/2026
Written Report: Submit a written report evaluating the existing manure storage facility's ability to meet the conditions in the Production Area Discharge Limitations and Manure and Process Wastewater Storage subsections and s. NR 243.15, Wis. Adm. Code. (See Standard Requirements for report details.)	06/01/2027
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.	08/01/2027
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.	08/01/2028

2.7 Feed Storage - Engineering Evaluation

Applicable to the FSA and associated runoff controls at the Van Rossum Site (sample point 016)

Required Action	Due Date
Retain Qualified Expert: The permittee shall retain a qualified expert to complete an engineering evaluation for the feed storage area and report the name of the expert to the Department.	11/01/2026
Written Description of Existing System: Submit an engineering evaluation that includes a written description of the existing feed storage area and its adequacy to meet the conditions found in the Production Area Discharge Limitations subsection and NR 243.15, Wis. Adm. Code.	06/01/2027

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.	06/01/2028
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.	06/01/2029

2.8 Explanation of Schedules

- An emergency response plan is required to be developed per s. NR 243.13(6)(a) Wis. Admin. Code.
- A monitoring and inspection program is required to be submitted per s. NR 243.19(1) Wis. Admin. Code.
- Annual reports are required to be submitted per s. NR 243.19(3) Wis. Admin. Code.
- Nutrient management plan updates are required to be submitted per s. NR 243.19(3) Wis. Admin. Code.
- A permit reissuance application is required per s. NR 243.12(1)(d) Wis. Admin. Code.
- Engineering evaluation of feed storage area and associated runoff controls (Sample Point 016) has been included per s. NR 243.16(1) Wis. Admin. Code as the Department has not previously evaluated the facility.
- Engineering evaluations of WSF 4, WSF 5, and WSF 7 (Sample Point 004, 014, 015) have been included per s. NR 243.16(1) Wis. Admin. Code as the Department has not previously evaluated the facility.

Attachments

Map(s)

Plan Approval Letter(s)

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: 8/12/2026



May 20th, 2026

Outagamie County
Approval

Ken Verhasselt
Verhasselt Farms Ltd
W873 Golden Glow Road
Kaukauna, WI 54130

SUBJECT: Conditional Approval of Verhasselt Farms Ltd Nutrient Management Plan, WPDES
Permit No. 0049034-07-0

Dear Contact Name:

After completing a review of Verhasselt Farms Ltd 2026-2030 Nutrient Management Plan (NMP) the Wisconsin Department of Natural Resources (Department) is providing conditional approval that it is consistent with Nutrient Management Requirements in s. NR 243, Wis. Adm. Code. This part of your WPDES permit application is now ready for the public notice and comment process as required by Ch. 283 Stats.

Before applying manure onto approved fields each season, the Department recommends Verhasselt Farms Ltd 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 6,000 animal units (4,150 milking & dry cows, 70 steers, and 600 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 43,033,300 gallons of manure and process wastewater and 1,862 tons of solid manure in the first year of the permit term. There is an additional amount of solid manure contributing to this land base generated by Oneida Nation Farms which contributes 2,957 tons annually.
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 Verhasselt Farms Ltd currently has 8,768.2 acres (2,148.8 owned and 6,619.4 controlled through contracts, rental agreements or leases, or under manure agreements) of which 8,528.3 are spreadable acres.
6. That all fields will be checked for the following features prior to/during manure or process wastewater applications: soil areas with possible shallow groundwater (i.e., within 24 inches of surface) at the time of manure application; required setbacks associated with wells, navigable waters, conduits to navigable waters, grassed waterways, wetlands, possible soil erosion/flow channels.
7. That surface applications of manure will not be completed when precipitation capable of producing runoff is forecasted within 24 hours of the time of planned application.

CONDITIONAL NUTRIENT MANAGEMENT PLAN APPROVAL

The Department hereby approves the 2026-2030 Verhasselt Farms Ltd 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 #
16	Green Bay Dressed Beef LLC	5	57969
16	Green Bay Dressed Beef LLC	11	57967
210-163	Green Bay Dressed Beef LLC	6	119948
210-163	Green Bay Dressed Beef LLC	7	119949

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

3. If existing fields yield soil test results equal to or greater than 200 ppm P, those fields would be prohibited from receiving manure or process wastewater applications, unless you obtain Department approval in accordance with NR 243.14(5)(b)2., Wis. Adm. Code.
4. All liquid manure samples collected may be analyzed, at a minimum, for percent dry matter, total nitrogen, percent NH₄-N, percent NO₃-N, phosphorus, potassium, and sulfur.
5. If manure sample results have a dry matter (DM) content less than 2.0% and the percent ammonium (NH₄⁺) is greater than 75% of the total N, VERHASSELT FARMS LTD may use the following equation to adjust the first year available nitrogen when applications are injected or incorporated within 1 hour:

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

6. Verhasselt Farms Ltd shall record daily manure applications by using form 3200-123A. These forms shall be retained at the farm and provided to the department upon request.
7. Verhasselt Farms Ltd shall annually submit a spreading report that summarizes the land application activities listed under NR 243.19(3)(c)5., Wis. Adm. Code by using form 3200-123.

WINTER SPREADING

8. Liquid manure applications during winter conditions, as defined by NR 243.14(7), Wis. Adm. Code, are prohibited with the exception of emergency applications.
9. The following field(s) are approved for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:

- 01	- 02	- 03
- 04	- 05 VH-2	- 113
- 08 R-5	- 12	- 13
- 14	- 15	- 16
- 17	- 18	- 20
- 21	- 22	- 23
- 24	- 25	- VS-4
- 27	- 101	- 102
- 103	- 104	- 105
- 106	- 107	- 109
- 109B	- 111	- 112
10. The following field(s) are denied for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure due to potential in-field verification required to make sure all areas of concentrated or channelized flow are marked:

- 07G	- 09	- 11
- 26	- 10 R-2	
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. The following fields are approved for feed storage runoff applications using Center Pivot irrigation equipment:

- 02	- 04
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16. Irrigation application rates shall be limited to 10,000 gallons per acre (may be less in SWQMAs), per application event or 10,000 gallons per acre over a 5 day period if split applications are used.
17. Verhasselt Farms Ltd shall allow a rest period of 5 days or more between each application event.

18. Irrigation applications during daytime hours shall not occur if sustained wind speeds of 10 miles per hour or more are documented. Sustained wind shall be defined as the average wind speed over a 15 minute period.
19. Irrigation applications during night time hours are prohibited.
20. Irrigation applications shall not occur when wind gusts exceed 20 miles per hour.
21. Verhasselt Farms Ltd shall visually monitor fields receiving manure irrigation applications every 2 hours or more frequently. Visual monitoring results shall be documented using the 'Irrigation Application Record Sheet' form. Copies of these forms shall be submitted to the department annually with the NMP Update and provided to the department upon request.
22. If Verhasselt Farms Ltd receives approval from an adjacent dwelling resident to apply within 250 feet, the reduced setback does not become effective until a copy of the agreement is submitted to the department.
23. If additional fields are selected by Verhasselt Farms Ltd for irrigation applications, those fields cannot be used for that purpose until department review and written approval is obtained.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

24. 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.
25. The farm is required to take a minimum number of manures samples to meet permit requirements as follows:
 - Solid Manure: One solid sample per source on a quarterly basis when hauling occurs.
 - Liquid Manure: Two liquid samples per source on a monthly basis when hauling occurs.
26. Modified irrigation questionnaire in regard to wind speed is due no later than May 29th, 2026.

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 608-212-8460 or Ashley.Scheel@Wisconsin.gov.

Sincerely,



Ashley Scheel, CCA
WDNR Nutrient Management Plan Reviewer
Wisconsin Department of Natural Resources

CC:

Makayla Jacobs, WDNR Agricultural Runoff Management Specialist (makayla.jacobs@wisconsin.gov)

Erin Hanson, WDNR Watershed Field Supervisor (erin.hanson@wisconsin.gov)

Joe Baeten, WDNR Agricultural Runoff Section Manager (joseph.baeten@wisconsin.gov)

Aaron O'Rourke, WDNR Nutrient Management Program Coordinator (aaron.orourke@wisconsin.gov)

Falon French, WDNR Intake Specialist (falon.french@wisconsin.gov)

Rob Davis, WDNR CAFO Engineer (robert.davis@wisconsin.gov)

Greg Baneck, Outagamie County (greg.baneck@outagamie.org)

Nick Peltier, Brown County (nick.peltier@browncountywi.gov)

Todd Schaumberg, Tilth Agronomy (todd@tilthag.com)

File



July 10, 2026

FILE REF: R-2025-0080a
WPDES Permit #: WI-0049034

Bruce Verhasselt
Verhasselt Farms Ltd
W873 Golden Glow Road
Kaukauna, WI 54130

Subject: REVISED Days of Storage Review for Verhasselt Farms Ltd in T22N, R19E, Section 18,
Kaukauna Township, Outagamie County – NO ADDITIONAL ACTION REQUIRED

Dear Mr. Verhasselt:

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 initially submitted by Robert Pofahl, P.E., Resource Engineering Associates, Inc. on March 28, 2025 with revisions received on May 22, 2025 on behalf of Verhasselt Farms. Additional revisions to the days of storage calculations were received from Ethan Schaefer, The Sigma Group, Inc. on July 1, 2026. The revised calculations were requested because the names/numbers of the waste storage facilities were incorrect in the initial submittal and approval. This letter serves to supersede the previous “no additional actions” letter that was issued by the Department on May 29, 2025 for project R-2025-0080.

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 Verhasselt Farms has 271 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. However, because several of the waste storage ponds currently require evaluations to be completed, the number of days of storage is currently 201 in accordance with s. NR 243.15(3). Specifically, an evaluation is required to be submitted for #7 (Van Austin Site on Hwy J). Additionally, evaluations have been submitted for #4 and #5 (Van Rossum Site), but have not yet been reviewed. The number of days of storage will change once the evaluations for the waste storages have been submitted, reviewed, and require no further actions. The current number of animal units provided for the calculation is 6,000. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. The farm has full collection of leachate and contaminated runoff from the feed storage areas, up to the 25-year, 24-hour storm. Feed storage runoff at the Main Farm is collected in the Process Wastewater Basin located east of WSF #2. The process wastewater at the Home Farm is handled separate from manure and is not included in the liquid waste volumes listed in the table below. The volume of PWW that is stored separately from manure at the Home Farm is 6,017,637 gallons and the storage has approximately 155 days of PWW storage. At the Van Rossum Farm the collected feed pad runoff is added to WSF #4 and WSF #5 and co-mingled with manure and therefore is included in the liquid waste volumes listed in the table below.

Name, Number, and Location for Verhasselt Farms Waste Storage Facilities. The numbering is intended to match the current WPDES permit. Waste storage numbering:

#1 – Main Farm. Process Wastewater only. This facility is not included in DOS calcs.

#2 – Main Farm. Combined WSF 2 and WSF 3.

#3 – Main Farm. Formerly WSF 4.

#4 – Van Rossum Farm. Combined WSF 4 and WSF 5.

#5 – Van Rossum – Young Stock Site.

#6 – Home Farm – Golden Glow Road. Formerly “Home Basin”.

#7 – Van Austin Site – Hwy J. Formerly WSF #1.

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure and Bedding:	29,888,000
Parlor Wastewater:	7,555,000
Total Feed Storage Leachate:	20,000
Total Feed Storage Runoff Collected:	1,154,000
Net Precipitation on Storage Surfaces:	4,909,097
Total Liquid Waste Stored Below the MOL:	43,526,097

Total Liquid Waste Storage Capacity (Gallons)						
Waste Storage	Total Volume from Top to Bottom	-Remaining Solids	-25-yr, 24-hr Precipitation on Storage	-25-yr, 24-hr Collected Runoff	-Freeboard Volume	Max. Operating Level (MOL) Volume
#1 (PWW)	-	-	-	-	-	-
#2	11,841,581	621,655	377,500	0	865,713	9,976,713
#3	14,072,761	896,164	332,900	0	811,650	12,032,047
#4	8,613,600	480,500	255,600	150,000	643,000	7,084,500
#5	364,000	0	42,000	0	106,000	216,000
#6	2,773,414	307,338	175,935	0	284,195	2,005,946
#7	1,188,000	0	57,000	0	129,000	1,002,000
					Total MOL Volume:	32,317,206

Should you have any questions, please contact Rob Davis, DNR Madison office or your Agricultural Runoff Specialist, Makayla Jacobs.

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



Rob Davis, P.E.
Water Resources Engineer
Watershed Management Program

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Matt Woodrow, P.E.; DATCP
(920) 427-8505; matthew.woodrow@wisconsin.gov

Greg Baneck; Outagamie County
(920) 832-5074; greg.baneck@outagamie.org

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

Erin Hanson; DNR, Northeast Region
(920) 360-7845; erine.hanson@wisconsin.gov

Ashley Scheel; DNR, Central Office
(608) 261-6419; ashley.scheel@wisconsin.gov

Rob Davis, P.E.; DNR, Central Office
(608) 225-2720; Robert.Davis@wisconsin.gov



7/28/2026

Bruce Verhasselt
Verhasselt Farms LTD
W873 Golden Glow Rd
Kaukaun, WI 54130

WPDES Permit No. 0049034-06-1
Outagamie County

Dear Mr. Verhasselt:

On 5/26/2026, the department met with you to inspect your facility, Verhasselt Farms LTD, for a revoke/reissue compliance inspection. Observations made by the department during the inspections are included in the enclosed report.

At the end of the enclosed report, you will find detailed lists of action items and areas of concern observed during the inspection. Please review this section carefully, as there may be actions required with associated deadlines.

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

Sincerely,

Makayla Jacobs
Agricultural Runoff Management Specialist

Electronic CC:
Gregory Baneck - Outagamie County
Todd Schaumberg - Tilth Agronomy
Erin Hanson - WDNR

CAFO Compliance Report (DRAFT/Date Report is Finalized)



Inspection Date: 5/26/2026

Inspection Type: Permit Reissuance Inspection

Operation Name: Verhasselt Farms LTD

Operation Address: **VF2:** W236 County Road UU, Kaukauna, WI 54130

County Road J Site: N4496 County Road J, Kaukauna, WI 54130

Home Farm: W873 Golden Glow Rd, Kaukauna, WI 54130

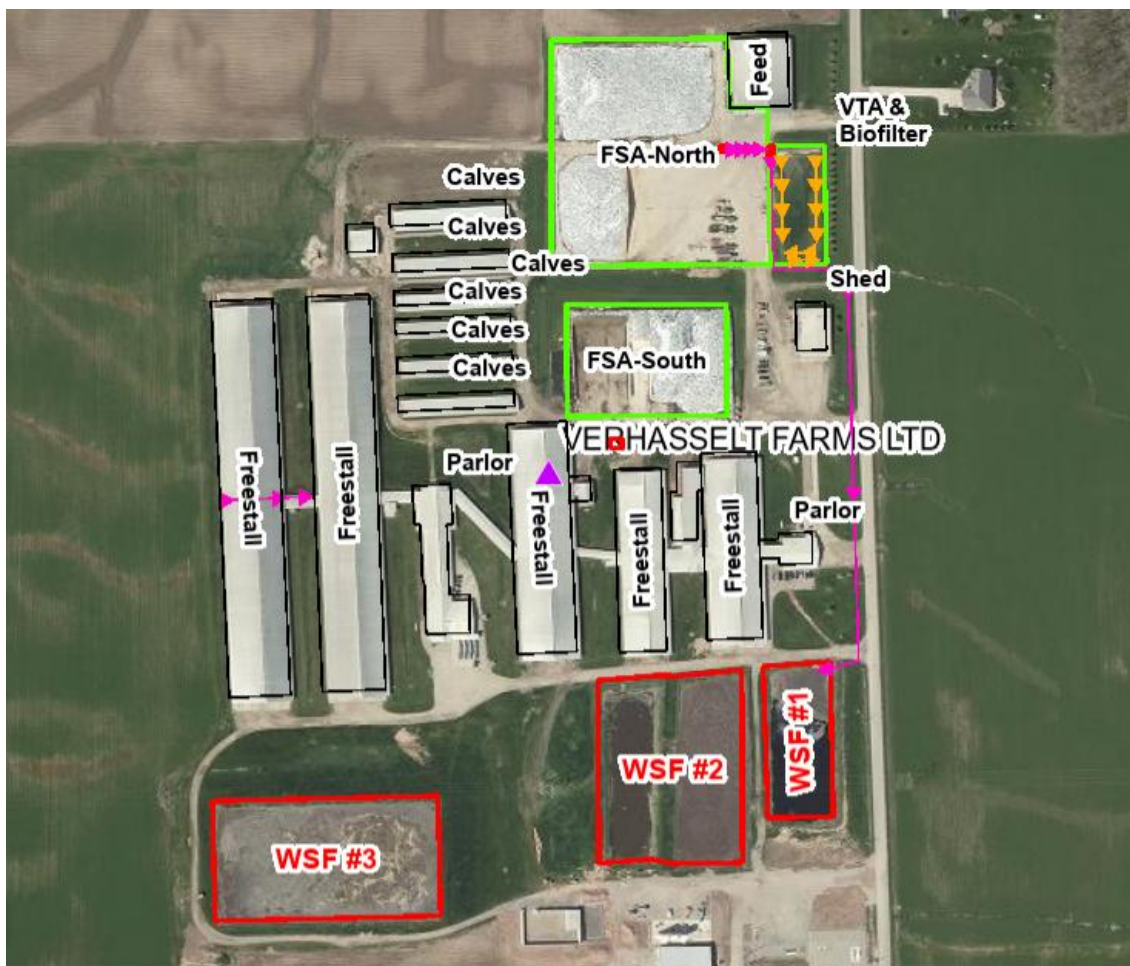
Van Rossum Farm: W236 CTH-UU, Kaukauna, WI 54130

On-Site Representative(s): Bruce Verhasselt & Chad Verhasselt, Owners/Operators

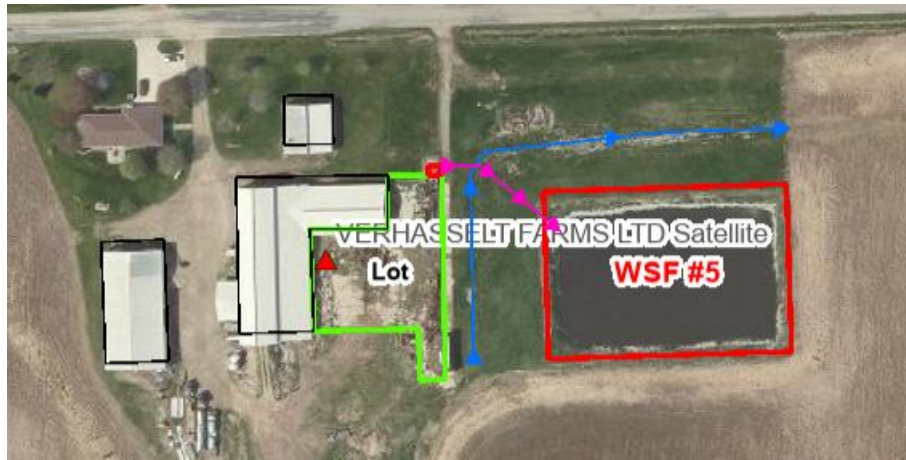
DNR Staff (indicate who is the report writer): Makayla Jacobs (Report Writer), Agricultural Runoff Specialist and Teona Ditzman (Intake Specialist)

Summary

On May 26, 2026 Jacobs and Ditzman met with Bruce Verhasselt (Authorized Representative) and other farm representatives to conduct a reissuance inspection of Verhasselt Farms LTD. All facilities currently covered under Verhasselt Farms' WPDES permit were inspected with additional sites they are adding to the permit. Precipitation had fallen 24 hours prior to the inspection, conditions during the inspection were hot and dry.



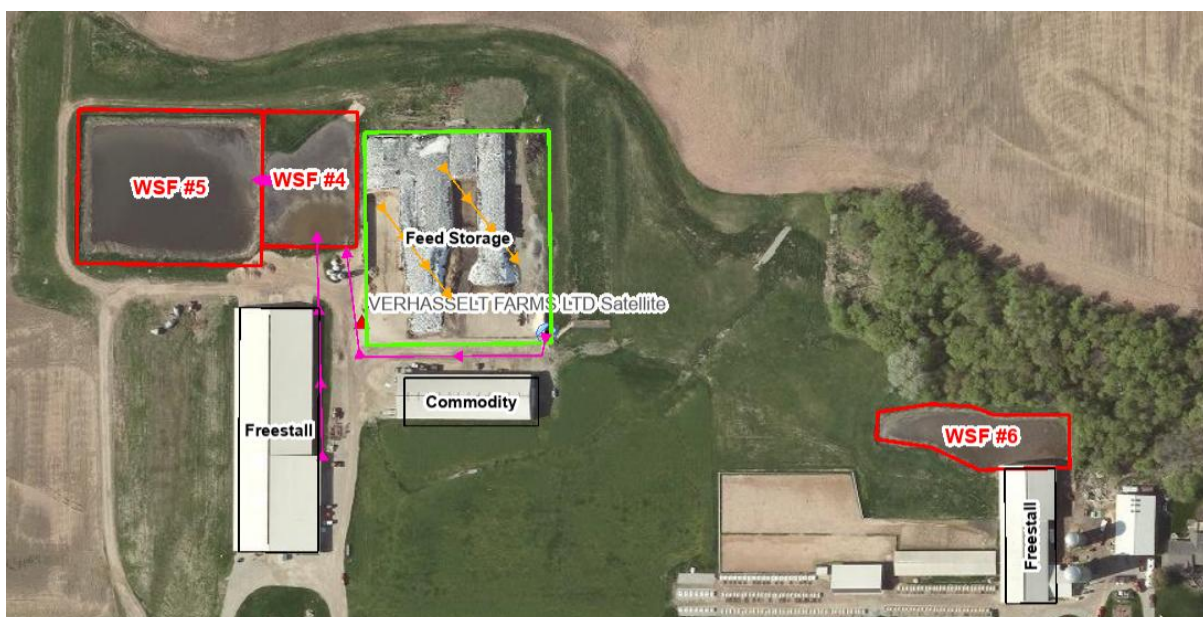
VF2 Site



Home Farm



County J Site



Van Rossum Farm

SITE OBSERVATIONS

Outdoor Feedlots and Runoff Control System

Verhasselt Farms does not utilize feedlots at the Dairy site; all animals are kept under roof.

Outdoor Calf Hutch Areas and Runoff Control System

Verhasselt Farms does not utilize calf hutch areas. All calves are kept under roof.

Waste Storage Facilities

Manure and process wastewater is approved to be stored in seven waste storage facilities, three at the dairy site, two at the Van Rossum farm, one on county j and one on golden glow rd.

WSF 1 is an earthen lined pit located south of the feed storage area at the dairy site, directly west of Section Line Road, with a maximum operating level of 3,014,936 gallons and was constructed in 1991. This storage accepts manure and process wastewater from the adjacent animal barns and the feed storage area runoff controls.

WSF 2 is an earthen lined pit located directly west of WSF 1, with a maximum operating level of 9,976,713 gallons and was combined with WSF 3 in 2023 with department approval. This facility was last evaluated in 1994. This storage accepts manure and process wastewater from the adjacent animal barns and emergency overflow from the digester pad.

WSF 3 is an earthen lined pit located west of WSF 2, with a maximum operating level of 12,032,047 gallons and was constructed in 2007. This storage accepts manure and process wastewater from the adjacent animal barns and digester system.

WSF 4 is an earthen lined pit located at the Van Rossum Farm, north of the parlor, with a maximum operating level of 7,084,500 gallons and was constructed in 2000. The west side of the basin has a ramp and concrete floor to aid in the removal of solids. This storage accepts manure and process wastewater from the adjacent animal barns. This facility was last evaluated in 2025 and is pending department approval.

WSF 5 is an earthen lined pit located at the Van Rossum Farm, east of the parlor and north of the steer barn, with a maximum operating level of 216,000 gallons. This storage accepts manure and process wastewater from the adjacent animal barn. This facility was last evaluated in 2025 and is pending department approval.

WSF 6 is an earthen lined pit located at the Home Farm on Golden Glow Rd and serves as additional storage as needed. It was constructed in 1981 and has a maximum operating level of 2,005,946 gallons. At the time of the inspection, fencing needed repair.

WSF 7 is an earthen lined pit located at the County J site, with a maximum capacity of 1,002,000 gallons and serves as additional storage as needed.

Solid manure sources are stored under roof, and land applied when applicable.

Solid and liquid waste storage facilities appear managed to not have current or past indicators of discharges.

Solid and liquid waste storage facilities are well-maintained, and in good repair.

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

Current or past indicators of discharges from process wastewater sources (milking center, wash water, etc.) were not observed during the inspection.

Feed Storage Area and Runoff Control System

At the main farm and the Van Rossum Farm, all feed is kept on concrete under plastic on the designated feed pads.

North Feed Storage Area:

The north feed storage area runoff control system consists of a dry basin (converted from the previous vegetated treatment area) and two inlets for runoff. Runoff from the feed pad flows east towards the first collection inlet, additional runoff flows through a spreader bar to the basin. In the southwest corner of the basin, an additional inlet has been placed to collect the remaining runoff. All collected runoffs are stored in WSF 1.

South Feed Storage Area:

The south feed storage area runoff control system consists of a collection tank and pump, as well as a berm to contain runoff to the pad and runoff controls. A pipe has been installed under the driveway to convey runoff south from the pad to the collection area. Runoff appeared well contained within the designated flow path. Once collected via the collection tank, the runoff from this area is stored in WSF 1. At the time of the inspection, runoff was present in the designated flow path, and controls appeared to be functioning as intended.

Van Rossum Farm Feed Storage Area:

The feed storage runoff controls consist of first collection leading to a VTA. The runoff controls flow southeast to the pump which pumps to WSF 4. The feed storage area had leachate ponding to the north of it. Feed was also scattered off the pad.

Current or past indicators of discharges from feed storage areas and associated wastewater (leachate, runoff) were observed during the inspection.

Feed storage areas and runoff control systems are well-maintained, in good repair and in compliance with permit requirements.

Animal Mortality Disposal

Mortalities are picked up as needed by OJ Krull.

Animal mortalities are managed to not have current or past indicators of discharges.

Ancillary Service Areas

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.).

Management practices are implemented to sustain sufficient vegetative cover on CAFO outdoor vegetated areas.

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

- FSA at the Van Rossum Farm has leachate ponding to the north and feed that is off the pad on the east
- There is no fencing around WSF 6
- Rodent holes around WSF 2 and WSF 5
- Woody Vegetation around multiple waste storage facilities

Permit Violations

No permit Violations

Require Actions

- Conduct maintenance actions for the rodent holes along the waste storage facilities.
 - o Submit documentation of repairs to the department no later than **August 31, 2026**
- Conduct maintenance actions for the woody vegetation along the waste storage facilities.
 - o Submit documentation of repairs to the department no later than **August 31, 2026**
- Clean and remove feed and prevent runoff from leaving the north side of the feed storage area at the Van Rossum Farm.
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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)
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- A soil survey map of the dairy's production area
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- 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 land spreading or treatment systems (proposed or active)
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CAFO Compliance Report (DRAFT/Date Report is Finalized)



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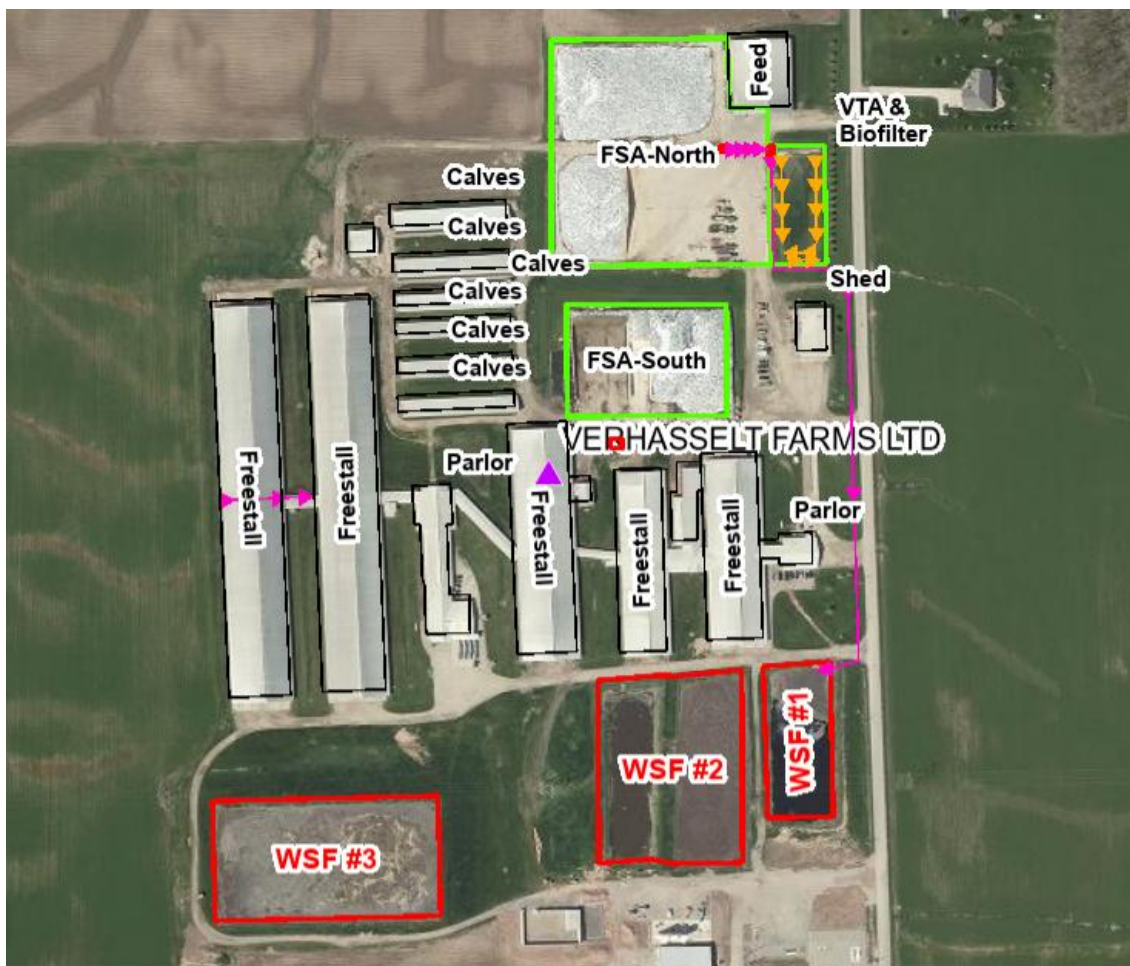
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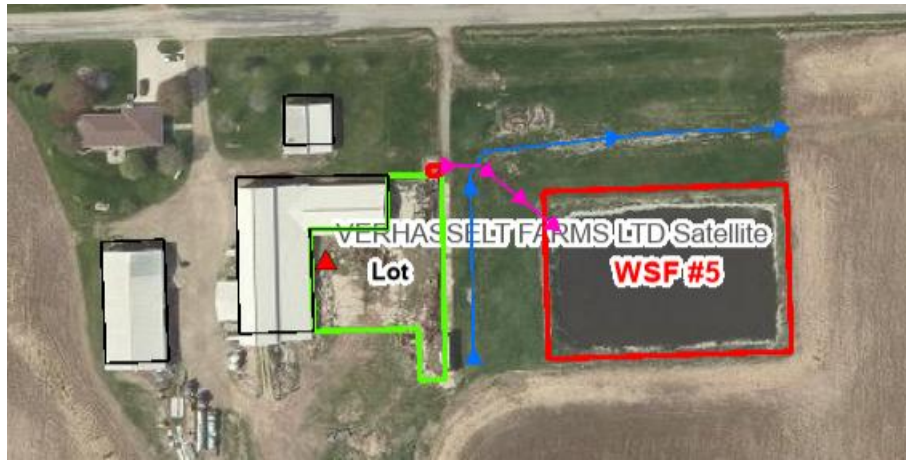
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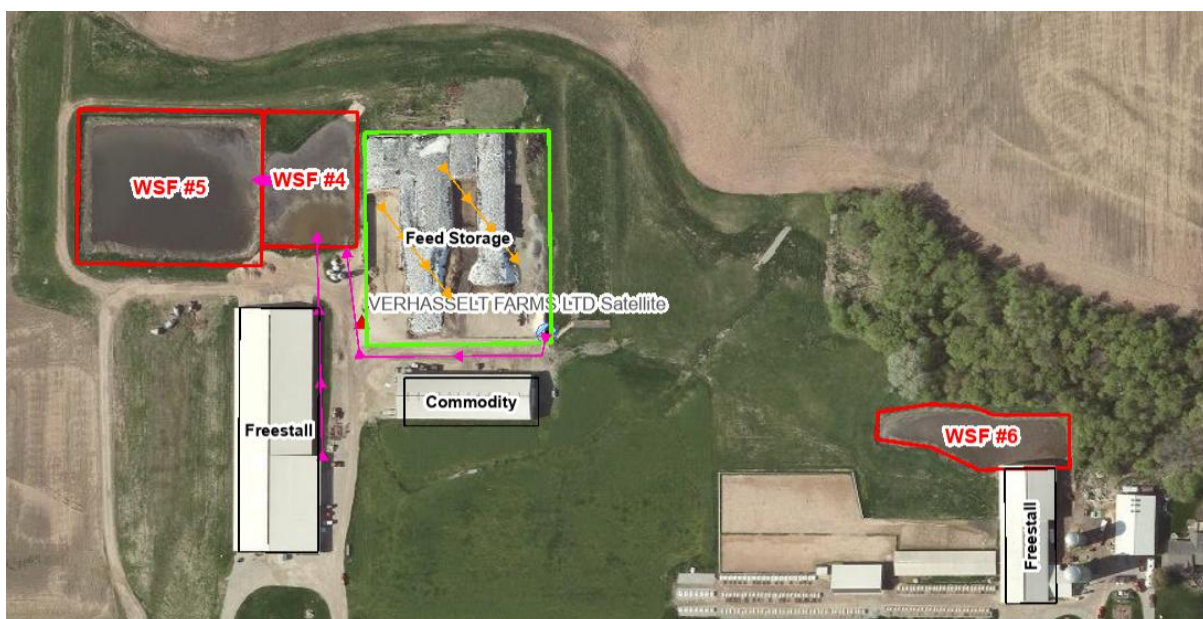
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- Supporting documentation for days storage calculations
- A complete 5-year Nutrient Management Plan (NMP). If necessary, include a description of permanent spray irrigation systems and any other land spreading or treatment systems (proposed or active)
- Plans and specifications for any proposed facilities

Photo Description:

Standing on the west side of the South FSA looking southwest. View of calves under roof.

**Photo Description:**

Standing on the west side of the South FSA looking southwest. View of calves under roof.



Photo Description:

Standing on the southeast side of WSF 3 looking west.

**Photo Description:**

Standing on the southeast side of WSF 3 looking north.



Photo Description:

Standing on the northeast side of WSF 3 looking north.

**Photo Description:**

Standing on the southwest side of WSF 3 looking northeast.

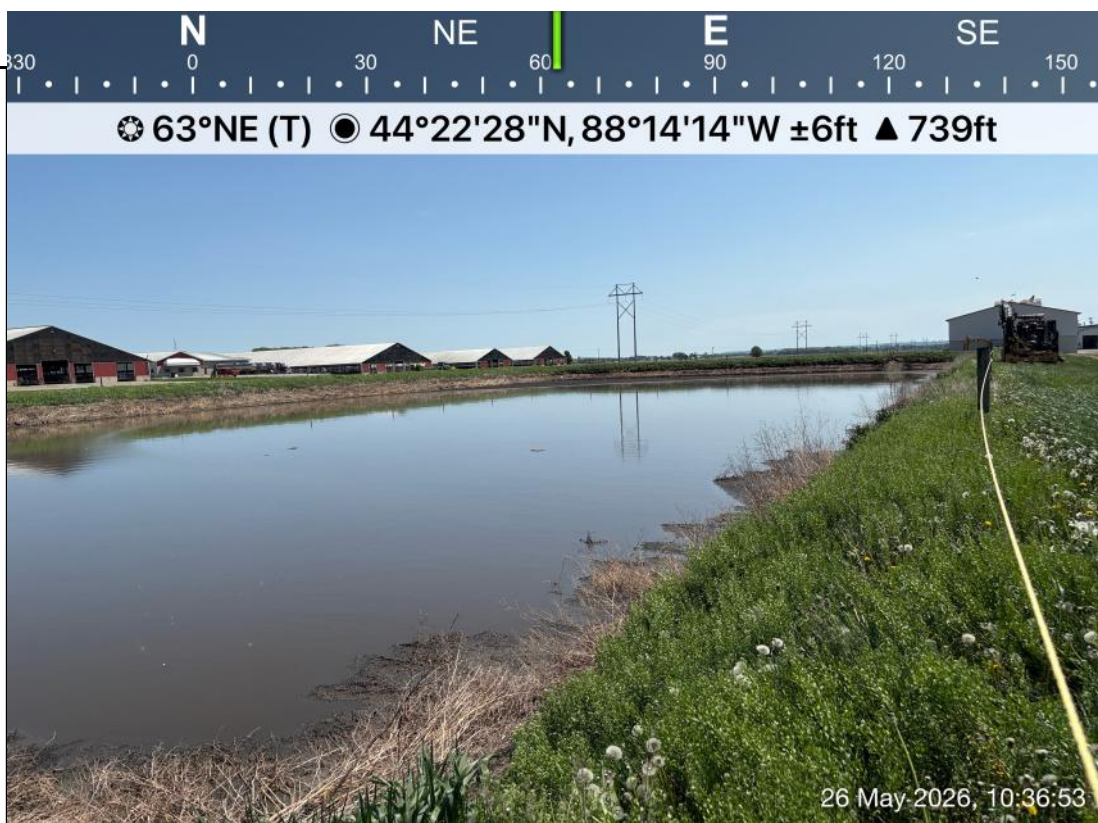


Photo Description:

Standing on the west sided of
WSF 3 looking east.

**Photo Description:**

Standing on the west side of
WSF 3 looking south.



Photo Description:

Standing on the west side of WSF 2 looking east.

**Photo Description:**

Standing on the southwest side of WSF 2 looking north.



Photo Description:

Standing on the southwest side of WSF 2 looking north.

**Photo Description:**

Standing on the south side of WSF 2 looking east.

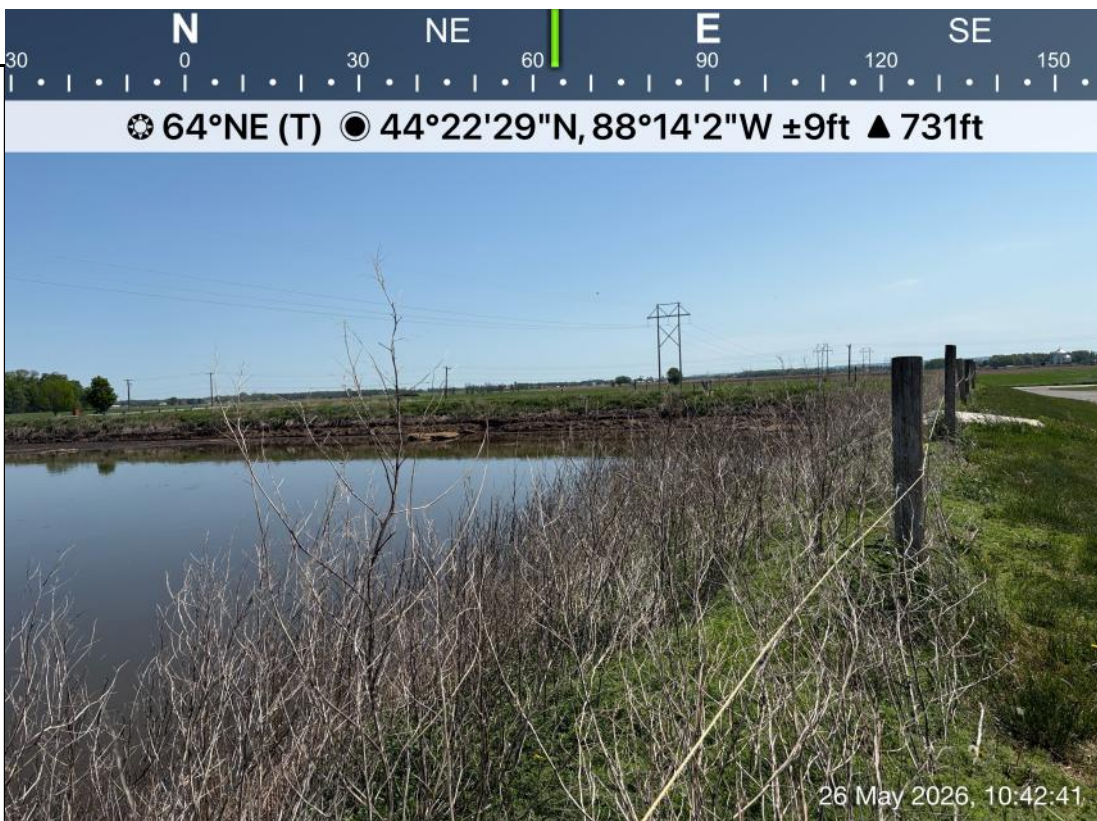


Photo Description:

Standing on the south side of WSF 2 looking north.

**Photo Description:**

Standing on the south side of WSF 1 looking north.



Photo Description:

Standing on the southwest side of WSF 1 looking northeast.

**Photo Description:**

Standing on the north side of WSF 1 looking south.



Photo Description:

Standing on the north side of WSF 6 looking east.

**Photo Description:**

Standing on the northeast side of WSF 6 looking south.



Photo Description:

Standing on the east side of WSF 6 looking south.

**Photo Description:**

Standing on the north side of WSF 6 looking southwest.

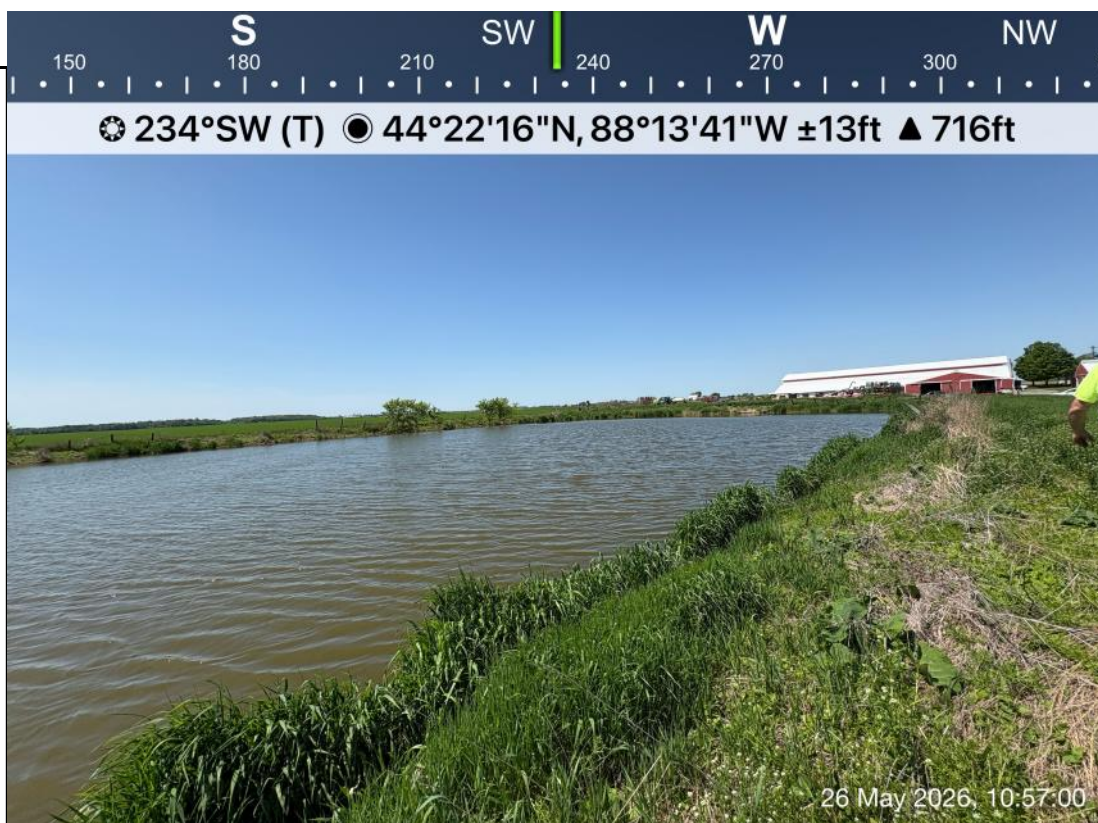


Photo Description:

Standing on the south side of WSF 4 looking northeast.

**Photo Description:**

Standing on the south side of WSF 4 looking west.



Photo Description:

Standing on the southwest side of WSF 4 looking east.

**Photo Description:**

Standing on the northwest side of WSF 4 looking south.



Photo Description:

Standing on the north side of WSF 4 looking southwest. View of access ramp/

**Photo Description:**

Standing on the north side of WSF 4 looking southwest.

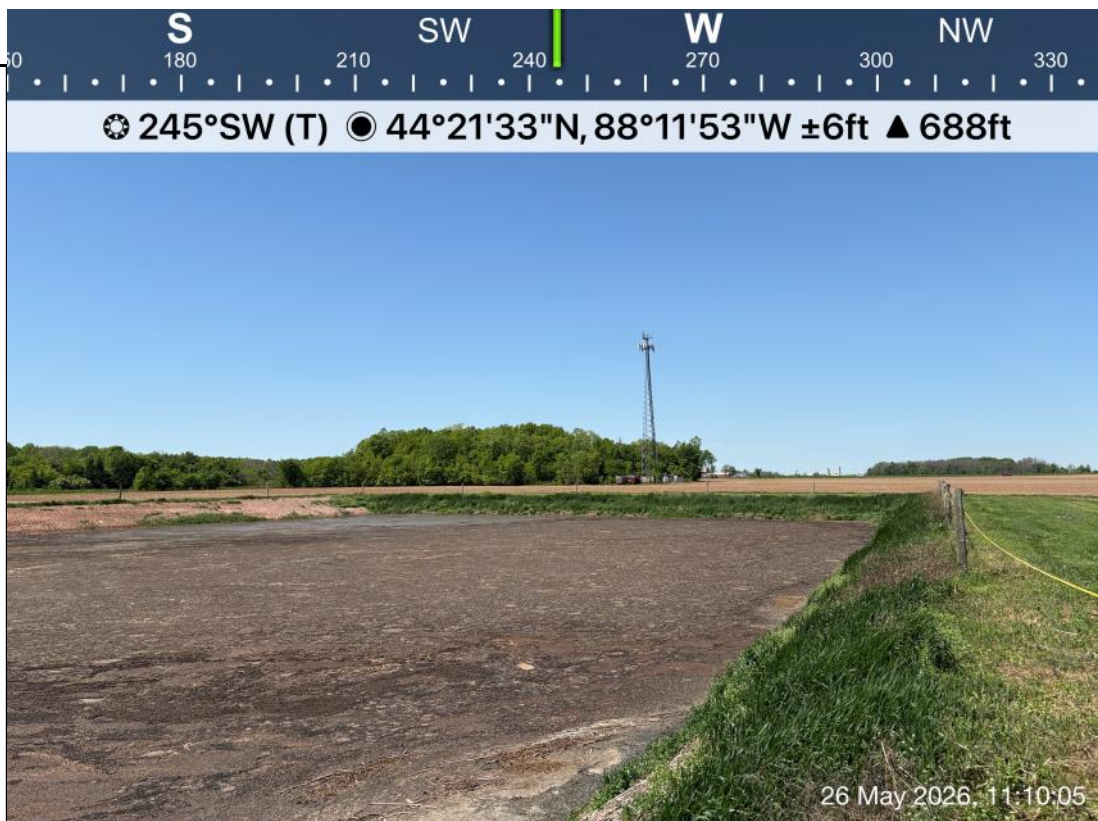


Photo Description:

Standing on the west side of
WSF 5 looking east.

**Photo Description:**

Standing on the south side of
WSF 5 looking northwest.



Photo Description:

Standing on the west side of the north FSA looking east.

**Photo Description:**

Standing on the north side of the north FSA looking south.



Photo Description:

Standing on the west side of the north FSA looking north.

**Photo Description:**

Standing on the south side of the north FSA looking east.



Photo Description:

Standing on the west side of the south FSA looking northeast.

**Photo Description:**

Standing on the west side of the south FSA looking east.



Photo Description:

Standing on the east side of the south FSA. View of runoff collection area from the south FSA.

**Photo Description:**

Standing on the north side of the north FSA looking southeast.



Photo Description:

Standing on the north side of the FSA at the Van Rossum Farm looking east. View of ponding leachate.

**Photo Description:**

Standing on the east side of the FSA at the Van Rossum Farm looking west.



Photo Description:

Standing on the southeast side of the FSA at the Van Rossum Farm looking north. View of feed off the pad.

**Photo Description:**

Standing on the southeast side of the FSA at the Van Rossum Farm looking northwest.

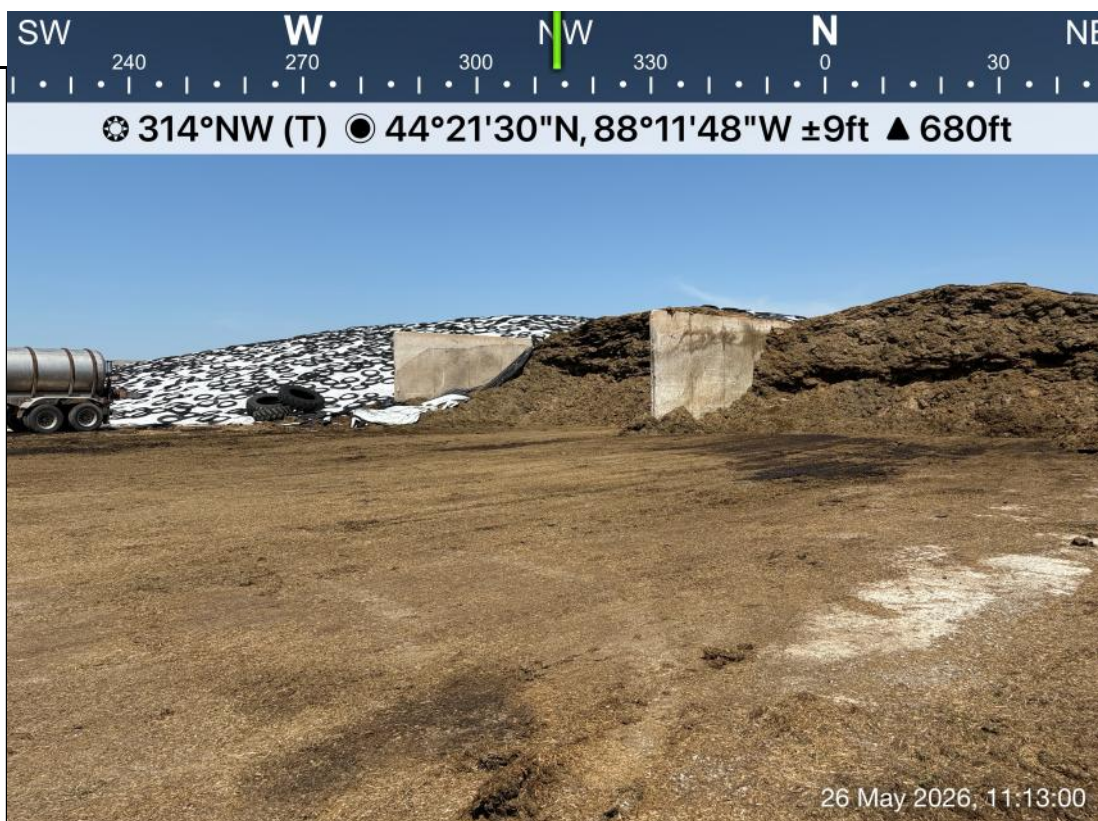


Photo Description:

Standing on the east side of the FSA at the Van Rossum Farm looking east. View of first flush pump.

**Photo Description:**

Standing on the east side of the FSA at the Van Rossum Farm looking northeast. View of VTA.



Photo Description:

View of animal burrow around
WSF 2.

**Photo Description:**

View of animal burrow around
WSF 5.



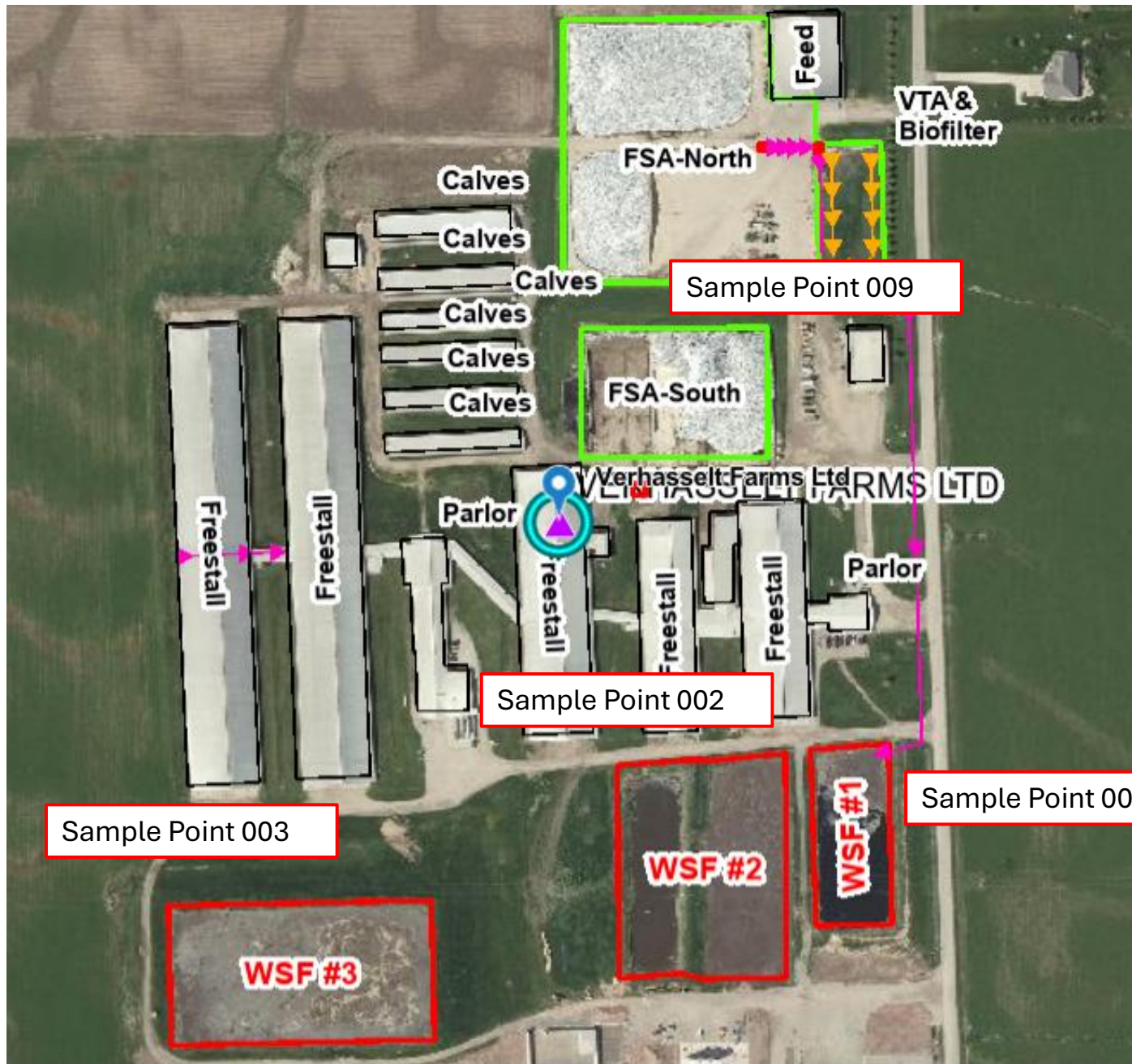
Photo Description:

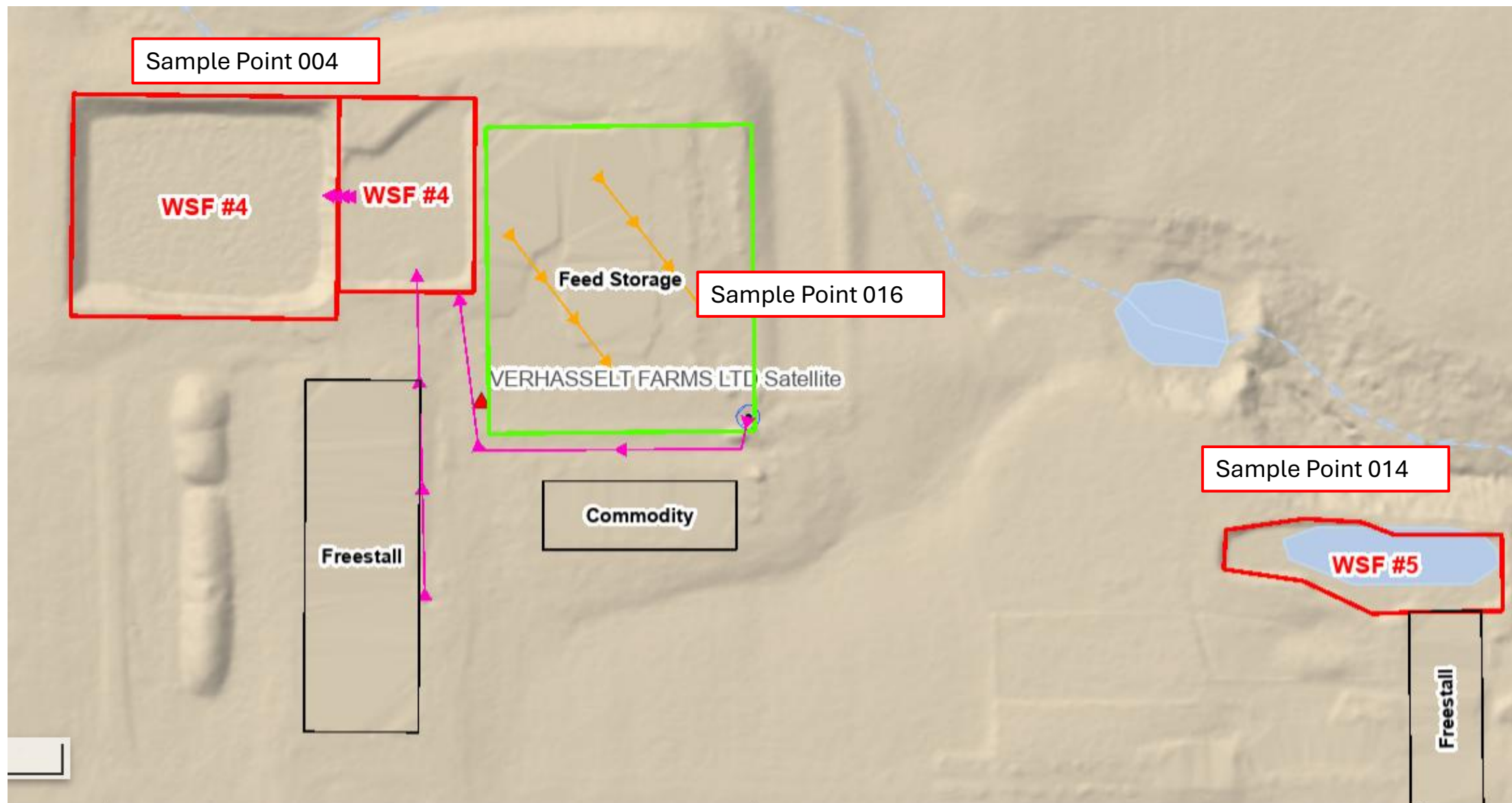
View of ancillary area south of the parlor.

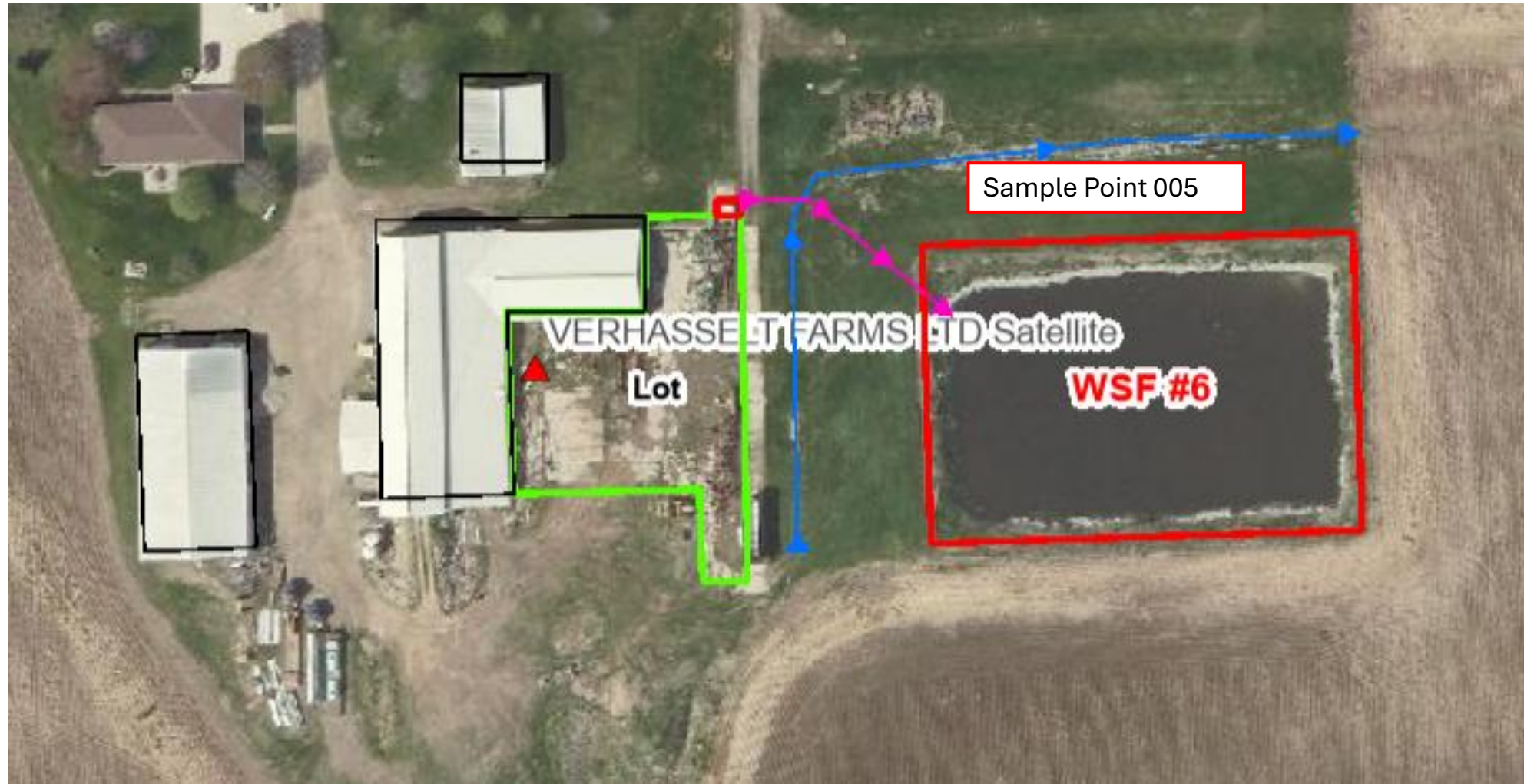
**Photo Description:**

View of ancillary area between the free stall barns.









Sample Point 005

VERHASSET FARMS, LTD Satellite

Lot

WSF #6

