

Permit Fact Sheet

General Information

Permit Number	WI-0061492-06-0
Permittee Name and Address	Green Valley Dairy LLC N5365 Hintz Rd., Krakow, WI 54137
Permitted Facility Name and Address	(Green Valley Dairy): N5365 Hintz Road, Green Valley, WI in the SE ¼ of Section 27, T27N- R18E (Sponenberg Pit): W2048 Cedar Drive, Pulaski, WI in the SW ¼ of SW ¼ of Section 20, T25N- R18E (Tauscher Pit): 2100 County Rd C, Green Bay, WI in the SW ¼ of NW ¼ of Section 35, T25N-R19E (Garbrecht Pit): 3897 County Rd C, Oconto Falls , WI in NW ¼ of the SE ¼ of Section 16, T27N-R19E
Permit Term	October 01, 2026 to September 30, 2031
Receiving Water	Unnamed Tributaries within the Pensaukee River, Shioc River, and Suamico & Little Suamico River Watersheds, and groundwaters of the state
Discharge Type	Existing source CAFO per NR 243.03(23) as the facility has been permitted since 2000.

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.)	2	0	5	0	09/01/2028
Milking and Dry Cows	6265	6399	9513	9717	09/01/2028
Heifers (800 lbs. to 1200 lbs.)	209	190	374	340	09/01/2028
Total	6476	6399	9892	9717	

Facility Description

Brief Facility Description: Green Valley Dairy is an existing Concentrated Animal Feeding Operation (CAFO) located in Shawano County WI. There are also 3 satellite waste storage facilities located in Shawano, Brown & Oconto counties. Green Valley Dairy is owned and operated by the Jacobs family & others. It currently has 6,476 animal units (4,475 milking & dry cows, 190 heifers, and 10 calves) and is proposing to expand to 9,898 animal units (6,795 milking & dry cows, 340 heifers, and 25 calves). Green Valley Dairy has a total of 9,901 acres available for land application of manure and process wastewater. Of this acreage, 8,185 acres are owned, and 1,716 acres are rented/agreements of which 9,768 are spreadable.

Substantial Compliance Determination

Enforcement During Last Permit: None

After a desk top review of annual reports, nutrient management plan updates, compliance schedule items, and a site visit on October 1, 2025, this facility has been found to be in substantial compliance with their current permit.

Sample Point Descriptions

Sample Point Designation For Animal Waste		
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)	
001	Sample point 001 is for liquid manure and process wastewater land applied from waste storage facility #1 (WSF #1). WSF #1 is an earthen lined impoundment located at the Green Valley Dairy site west of freestall barns & feed storage area that was constructed in 2000. The facility has a total storage volume of 20.3 million gallons with maximum operating level capacity of 16.8 million gallons. This storage accepts manure and process wastewater from all the barns at this site as well as parlor wastewater & feed storage runoff after it has been routed through the anaerobic digesters & solid separator. This storage facility is connected to WSF #2 via gravity transfer pipes. This facility has not been evaluated since time of construction.	
002	Sample point 002 is for liquid manure and process wastewater land applied from waste storage facility #2 (WSF #2). WSF #2 is an earthen lined impoundment located at the Green Valley Dairy site located west of WSF #1 that was constructed in 2001. The facility has a total storage volume of 13.1 million gallons with maximum operating level capacity of 10.7 million gallons. This storage accepts manure and process wastewater from WSF #1 and can accept manure directly from the robot barn if needed. This facility has not been evaluated since time of construction.	
003	Sample point 003 addresses all digested liquids located within the 3 existing digester cells located to the south of WSF #1. Manure is transferred from an existing manure processing building to the digesters and then returned to the manure processing buildings (for solids removal) after the digestion is completed. Liquids will then be transferred to WSF #1. Sampling from within the digester cell(s) for nutrient content is only required if the liquids are to be manually pumped from the cell(s) and directly land applied. The first 2 digesters were constructed in 2005 and the third in 2008.	
004	Sample point 004 is for land applied separated manure solids. Fiber is typically reused as bedding and stored in the solid separation shed. The solid separation shed has a concrete floor and walls and was constructed in 2005. Representative samples are only required when the separated solids are directly land applied from this stacking area.	
005	Sample point 005 is for any miscellaneous solid manure directly land applied and not stored in a waste storage facility. This includes calf bedded manure, maternity pen bedpack, waste feed and any solids produced at the farm. Representative samples shall be taken for each manure source type.	
006	Sample point 006 is for visual monitoring and inspection of the feed storage area and associated runoff control system at Green Valley Dairy. The storage pad's surface area is approximately 12.2 acres in size. Runoff Controls were installed in 2023 and all leachate & runoff up to the 25 year storm are pumped to the	

Sample Point Designation For Animal Waste		
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)	
	leachate basin known as WSF #6. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program.	
007	Sample point 007 is for liquid manure and process wastewater land applied from waste storage facility #3 (WSF #3). WSF #3 is an earthen lined impoundment located at the Tauscher site in Brown County that was constructed in 2002 and last evaluated in 2013. The facility has a total storage volume of 5.1 million gallons with maximum operating level capacity of 3.4 million gallons. This storage accepts manure and process wastewater transferred from the main dairy via tanker trucks and unloaded into this facility prior to land application.	
008	Sample point 008 is for solid manure land applied from approved headland stacking sites. Representative samples must be taken prior to land application. Stacks are defined as part of the production area and therefore subject to the production area discharge limitations of this permit. Weekly inspections of stack runoff controls are required and shall be recorded according to monitoring program.	
009	Sample point 009 is for liquid manure and process wastewater land applied from waste storage facility #4 (WSF #4). WSF #4 is a concrete lined impoundment located at the Garbrecht site in Oconto County that was constructed in 2019. The facility has a total storage volume of 7.9 million gallons with maximum operating level capacity of 7.0 million gallons. This storage accepts manure and process wastewater transferred from the main dairy via tanker trucks and unloaded into this facility prior to land application. This facility has not been evaluated since time of construction.	
010	Sample point 010 is for liquid manure and process wastewater land applied from waste storage facility #5 (WSF #5). WSF #5 is a Vertical Walled Concrete Structure located at the Sponenberg site in Shawano County that was constructed in 2020. The facility has a total storage volume of 6.4 million gallons with maximum operating level capacity of 5.4 million gallons. This storage accepts manure and process wastewater transferred from the main dairy via tanker trucks and unloaded into this facility prior to land application. This facility has not been evaluated since time of construction.	
011	Sample point 011 is for manure solids land applied from waste storage facilities 1-5. These facilities are described in sample points 001, 002, 007, 009, and 010 respectively. Representative samples shall be taken from each waste storage facility when land application occurs	
012	Sample point 012 is for visual monitoring and inspection of all production site storm water conveyance systems. This includes roof gutter and downspout structures, drainage tile systems, grassed waterways and other diversion systems that transport uncontaminated storm water. Proper operation and maintenance is required to keep uncontaminated runoff diverted away from manure and process wastewater handling systems. Weekly inspections are required and shall be recorded according to monitoring program	
013	Sample point 013 is for process wastewater land applied from waste storage facility #6 (WSF #6). WSF #6 is a concrete lined impoundment located north of WSF #2 at the Green Valley Dairy site in Shawano County that was constructed in 2023. The facility has a total storage volume of 3.6 million gallons with maximum operating level capacity of 1.8 million gallons. This storage accepts leachate & runoff from the feed storage area. This facility has not been evaluated since time of construction.	

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 273 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 6,476 animal units (4,475 milking & dry cows, 190 heifers, and 10 calves), it is estimated that approximately 58,114,937 gallons & 1,261 tons of manure and process wastewater will be produced per year. The permittee owns *approximately* 8,185 acres of cropland and 1,716 acres are rented/agreements. Given the rotation commonly used by the permittee, 9,768 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- Digested Liquids; 007- WSF #3-Tauscher; 009- WSF #4-Garbrecht; 010- WSF #5-Sponenberg, and 013- WSF #6 - Leachate

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	

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
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 013 added for new Waste Storage Facility #6 (WSF#6) approved by the department on 7/12/2022 (R-2022-0107)

Other sample points did not change, but sample point language was updated to more accurately describe the sample point.

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: 004- Separated Manure Fiber; 005- Misc. Solid manure; 008- Headland Stacking Sites; 011- Settled Solid Manure

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

1.2.1 Changes from Previous Permit

Sample points did not change, but sample point language was updated to more accurately describe the sample point.

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: 006- Feed Storage and 012- Stormwater Runoff

1.3.1 Changes from Previous Permit

Sample points did not change, but sample point language was updated to more accurately describe the sample point.

1.3.2 Explanation of Operation and Management Requirements

The 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: Update the written Emergency Response Plan within 30 days of permit coverage, and submit to the Department.	10/31/2026

2.2 Explanation of Schedules

An emergency response plan is required to be developed per s. NR 243.13(6)(a) Wis. Admin. Code.

2.3 Monitoring & Inspection Program

Required Action	Due Date
Proposed Monitoring and Inspection Program: Consistent with the Monitoring and Sampling Requirements subsection, the permittee shall submit a proposed monitoring and inspection program within 60 days of the effective date of this permit.	11/30/2026

2.4 Explanation of Schedules

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

2.5 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,	01/31/2028

consistent with the requirements of department form 3400-025E.	
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.	

2.6 Explanation of Schedules

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

2.7 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.	

2.8 Explanation of Schedules

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

2.9 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	04/01/2031

2.10 Explanation of Schedules

A permit reissuance application is required per s. NR 243.12(1)(d) Wis. Admin. Code.

Other Comments

None

Attachments

Inspection Report – 10/9/2025

Justification Of Any Waivers From Permit Application Requirements

No waivers requested or granted as part of this permit reissuance

Prepared By: Brian Hanson Wastewater Specialist

Date: 8/6/2026



July 13, 2026

Shawano County
Approval

John Jacobs IV
Green Valley Dairy LLC
N5365 Hintz Rd
Krakow, WI 54137

SUBJECT: Conditional Approval of Green Valley Dairy LLC Nutrient Management Plan, WPDES Permit No. 0061492-06-0

Dear John Jacobs IV:

After completing a review of Green Valley Dairy LLC 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 Green Valley Dairy LLC review the NMP with those individuals involved with manure applications to ensure all remain familiar with the approved manure spreading protocol, spreading maps, field and map verification, record keeping requirements, and all the conditions of this approval.

FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 6476 animal units (4475 milking & dry cows, 190 heifers, and 10 calves). A planned herd size of 9892 animal units (6795 milking & dry cows, 340 heifers, and 25 calves) by the end of the permit term.
2. Manure generation and spreading records indicate your herd will annually generate approximately 58,114,937 gallons of manure and process wastewater and 1261 tons of solid manure in the first year of the permit term and 84,711,610 gallons of manure and process wastewater and tons of solid manure by the end of the permit term. Approximately 10,853,442 gallons of feed leachate and runoff are collected and managed separately.
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 Green Valley Dairy LLC currently has 9901 acres (8185 owned and 1716 controlled through contracts, rental agreements or leases, or under manure agreements) of which 9768 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 Green Valley Dairy LLC Nutrient Management Plan subject to the following conditions and the applicable requirements of Ch. NR 243, Wis. Adm. Code:

FIELD AND MANURE MANAGEMENT

1. Fields not included in the NMP and new fields shall not receive manure or process wastewater applications until they have been properly soil sampled, entered into Snap Plus, evaluated for their nutrient needs, and approved by the Department.
2. The following fields have also been approved to receive industrial, municipal, or septage waste:

Field Name	Other Permittee Name	Other Permittee Field Name	DNR #
41	KRAKOW SANITARY DISTRICT WWTF	BP-1	108196
588	PULASKI WASTEWATER TREATMENT FACILITY	RK-2	119454
603	BADGER STATE WASTE LLC	CH-7	120168

Prior to any manure applications on these fields Green Valley Dairy LLC shall contact the entities listed above to obtain recent spreading records and make the necessary adjustments to the planned manure application rates. At the end of each year Green Valley Dairy LLC shall contact each entity listed above to obtain spreading records from the previous year so that they can be properly tracked in the NMP. Please Note: Green Valley Dairy LLC is responsible for obtaining nutrient content values for all other wastes spread on any field in their NMP.

3. The following fields (181.2 acres) are prohibited from receiving applications of manure or process wastewater due to missing or insufficient soil samples:
 - 620
 - 621
 - 622

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

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 $\text{NH}_4\text{-N}$, percent $\text{NO}_3\text{-N}$, phosphorus, potassium, and sulfur.
6. If manure sample results have a dry matter (DM) content less than 2.0% and the percent ammonium (NH_4^+) is greater than 75% of the total N, Green Valley Dairy LLC may use the following equation to adjust the first year available nitrogen when applications are injected or incorporated within 1 hour:

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

7. Green Valley Dairy LLC shall record daily manure applications by using form “XXXX(year)ManureLedger.xlsx.” These forms shall be retained at the farm and provided to the department upon request.
8. Green Valley Dairy LLC shall annually submit a spreading report that summarizes the land application activities listed under NR 243.19(3)(c)5., Wis. Adm. Code by using the Annual Spreading Report generated by SnapPlus.

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 emergency applications of liquid or solid manure and frozen liquid manure, excluding areas with W soils:

• 001	• 042	• 515	• 553	• 587
• 002	• 059	• 516	• 554	• 588
• 006	• 075	• 530	• 560	• 596
• 007	• 084	• 531	• 561	• 603
• 014	• 088	• 534	• 565	• 620
• 015	• 089	• 535	• 569	• 621
• 016	• 092	• 538	• 573	• 622
• 017	• 097	• 539	• 578	• 020-023
• 024	• 099	• 540	• 584	
• 027	• 501	• 547	• 585	
11. The following field(s) are denied for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure due to a lack of continuous spreadable acres:

• 013	• 533	• 564	• 583	• 004-005
• 018	• 544	• 568	• 586	• 566-567
• 019	• 545	• 580	• 599	
• 064	• 546	• 581	• 604	
• 094	• 556	• 582	• 609	
12. 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.
13. Winter applications of liquid manure shall only occur under emergency situations, after notifying the Department and receiving verbal approval.
14. 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

15. No headland stacking sites are approved.

MANURE & PROCESS WASTEWATER IRRIGATION

16. The following fields are approved for solid separated digested manure applications using a T/L Irrigation System model R3000D4 center pivot irrigation equipment:
 - Field 9 Brunner SE
17. Irrigation application rates shall be limited to 10,000 gallons per acre, per application event or 10,000 gallons per acre over a 5 day period if split applications are used.
18. Green Valley Dairy LLC shall allow a rest period of 7 days or more between each application event.
19. 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.
20. Irrigation applications during night time hours are prohibited.
21. Irrigation applications shall not occur when wind gusts exceed 20 miles per hour.
22. Green Valley Dairy LLC shall visually monitor fields receiving manure irrigation applications hourly or more frequently. Visual monitoring results shall be documented using the “Jacobs Brothers Irrigation Manure 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.
23. If Green Valley Dairy LLC 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.
24. If additional fields are selected by Green Valley Dairy LLC for irrigation applications, those fields cannot be used for that purpose until department review and written approval is obtained.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

25. 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.
26. 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.

ITEMS FOR FOLLOW UP

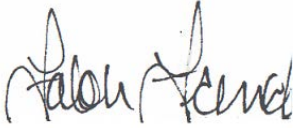
27. The estimated volume of feed storage leachate and production area runoff listed in the liquid manure production calculations and the NMP narrative appears to be missing the anticipated precipitation volume. Please verify the total volume of anticipated liquid manure and process wastewater that will be generated and provide an updated NMP narrative by July 31, 2026. Since a sufficient volume was planned in all future years of the permit term, the rest of the NMP should not require any changes.

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,

A handwritten signature in black ink, appearing to read 'Falon French', with a stylized, cursive script.

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

cc: Brian Hanson, WDNR Agricultural Runoff Specialist (brian.hanson@wisconsin.gov)
Erin Hanson, WDNR Watershed Field Supervisor (erine.hanson@wisconsin.gov)
Joe Baeten, Agricultural Runoff Section Manager (Joseph.Baeten@Wisconsin.gov)
Aaron O'Rourke, WDNR Nutrient Management Program Coordinator (Aaron.Orourke@Wisconsin.gov)
Ashley Scheel, WDNR CAFO Nutrient Management Plan Reviewer (Ashley.Scheel@Wisconsin.gov)
Tabatha Feller, WDNR CAFO Engineer (tabatha.davis@wisconsin.gov)
Nick Peltier, Brown County (Nick.Peltier@browncountywi.gov)
Ken Dolata, Oconto County (ken.dolata@co.oconto.wi.us)
Scott Frank, Shawano County (scott.frank@shawanocountywi.gov)
Shaun Wagner, Jacobs Brothers (shaun@jacobsbrotherswi.com)
File



July 14, 2026

FILE REF: R-2026-0070
WPDES Permit #: WI-0061492

John Jacobs IV
Green Valley Dairy LLC
Green Valley Dairy LLC
N5365 Hintz Rd
Krakow, WI 54137

Subject: Days of Storage Review for Green Valley Dairy LLC SE¼ of T27N, R18E, Section 34 in Green Valley Township, Shawano County – NO ADDITIONAL ACTION REQUIRED

Dear John Jacobs IV:

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 Darrin Sherstad, OCEPRNG on April 6, 2026 with revisions received on June 16, 2026 on behalf of Green Valley Dairy LLC.

The Department reviewed the submitted calculations in accordance with ss. NR 243.14(9) and NR 243.15(3)(i) to (k), Wis. Adm. Code. Under s. NR 243.17(3)(c), Wis. Adm. Code, the permittee shall demonstrate compliance with the 180-day design storage capacity requirement at specified times. For the following liquid manure storage calculations, the Department has determined **no additional actions** on your part are required.

Days of Available Liquid Waste Storage: The submitted information states that Green Valley Dairy LLC has 273 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 6,476. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. All leachate and feed storage runoff is collected in a separate process wastewater only storage and is excluded from these calculations. The farm produces approximately 11.4 million gallons of process wastewater annually. All runoff from the basin loading pad, up to the 25-year, 24-hour storm is collected in permanent storage.

Total Liquid Waste Storage Capacity (gallons)						
Waste Storage	Total Vol. from Settled Top to Bottom	-Solids Storage	-25-yr, 24-hr Precip. on Storage	25-yr, 24-hr Collected Runoff	Freeboard Vol.	Max. Operating Level (MOL) Vol.
#1	20,276,000	1,633,378	464,150	7,479	1,326,144	16,844,849
#2	13,081,800	1,136,317	317,692		907,691	10,720,100
#3	5,058,973	839,480	210,160		600,457	3,408,876
#4	7,900,000		239,958	8,639	685,594	6,965,809
#5	6,435,000	300,544	175,317	9,775	500,907	5,448,457
Total MOL Vol:						43,388,091
Days of Storage:						273

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure and Bedding	36,286,730
Parlor Wastewater	14,545,250
Net Precipitation on Storage Surface(s)	7,076,593
Basin Loading Pad Runoff	206,363
TOTAL:	58,114,936

The farm is proposing a herd expansion in the upcoming permit term. Under the proposed conditions the farm is planning to have 9,892 animal units. The number of days of storage following expansion is 187.

Total Liquid Waste Storage Capacity (gallons)						
Waste Storage	Total Vol. from Settled Top to Bottom	-Solids Storage	-25-yr, 24-hr Precip. on Storage	25-yr, 24-hr Collected Runoff	Freeboard Vol.	Max. Operating Level (MOL) Vol.
#1	20,276,000	1,633,378	464,150	7,479	1,326,144	16,844,849
#2	13,081,800	1,136,317	317,692		907,691	10,720,100
#3	5,058,973	839,480	210,160		600,457	3,408,876
#4	7,900,000		239,958	8,639	685,594	6,965,809
#5	6,435,000	300,544	175,317	9,775	500,907	5,448,457
Total MOL Vol:						43,388,091
Days of Storage:						187

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure and Bedding	55,355,096
Parlor Wastewater	22,073,558
Net Precipitation on Storage Surface(s)	7,076,593
Basin Loading Pad Runoff	206,363
TOTAL:	84,711,610

Should you have any questions, please contact Tabby Feller, 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



Tabby Feller
CAFO Review Engineer
Watershed Management Program

Email: John Jacobs Iv; Green Valley Dairy LLC
(920) 308-1800; john4@jacobsbrotherswi.com

Darrin Sherstad; OCEPRNG
(715) 220-0288; darrin@oceprng.com

Aaron O'Rourke; DNR, Eau Claire
(715) 839-3775; aaron.orourke@wisconsin.gov

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

Scott Frank; Shawano County
(715) 526-4820; scott.frank@shawanocountywi.gov

Brian Hanson; DNR-Northeast Region
(920) 366-3302; brian.hanson@wisconsin.gov

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

Tabatha A Davis; DNR-Central Office
(608) 712-2324; tabatha.davis@wisconsin.gov



10/9/2025

John Jacobs IV
Green Valley Dairy LLC
N5365 Hintz Road
Krakow, WI, 54137

WPDES Permit No. WI 0061492-05-0
Shawano County

Subject: 10/1/2025 Permit Compliance Inspection

Dear Mr. Jacobs:

On October 1st, 2025, the Department of Natural Resources met with the representatives of Green Valley Dairy LLC to conduct a full compliance inspection of your facility. Department observations, including photographs, and a record of our conversations are included in the enclosed report.

The final pages of the report include a summary section identifying areas of concern & action items the farm should continue to monitor.

If you have any questions regarding this letter or your WPDES permit requirements, please contact me at 920-366-3302 or brian.hanson@wisconsin.gov.

Sincerely,

Brian Hanson
Agricultural Runoff Management Specialist

Enclosure: 10/1/2025 Inspection Report

Electronic copy: Shaun Wagner – Green Valley Dairy LLC
Scott Frank - Shawano County LCD
Joe Baeten - DNR

CAFO Compliance Inspection Report



Inspection Date: 10/1/2025

Report Final Date: 10/9/2025

Operation Name: Green Valley Dairy LLC

WPDES Permit #: WI-0061492-05-0

Farm Address: **Green Valley Dairy:** N5365 Hintz Road, Green Valley, WI in the SE ¼ of Section 27, T27N- R18E

Sponenberg Pit: W2048 Cedar Drive, Pulaski, WI in the SW ¼ of SW ¼ of Section 20, T25N- R18E

Tauscher Pit: 2100 County Rd C, Green Bay, WI in the SW ¼ of NW ¼ of Section 35, T25N-R19E

Garbrecht Pit: 3897 County Rd C, Oconto Falls , WI in NW ¼ of the SE ¼ of Section 16, T27N-R19E

On-Site Representative(s): (Owner & Operator) John Jacobs IV

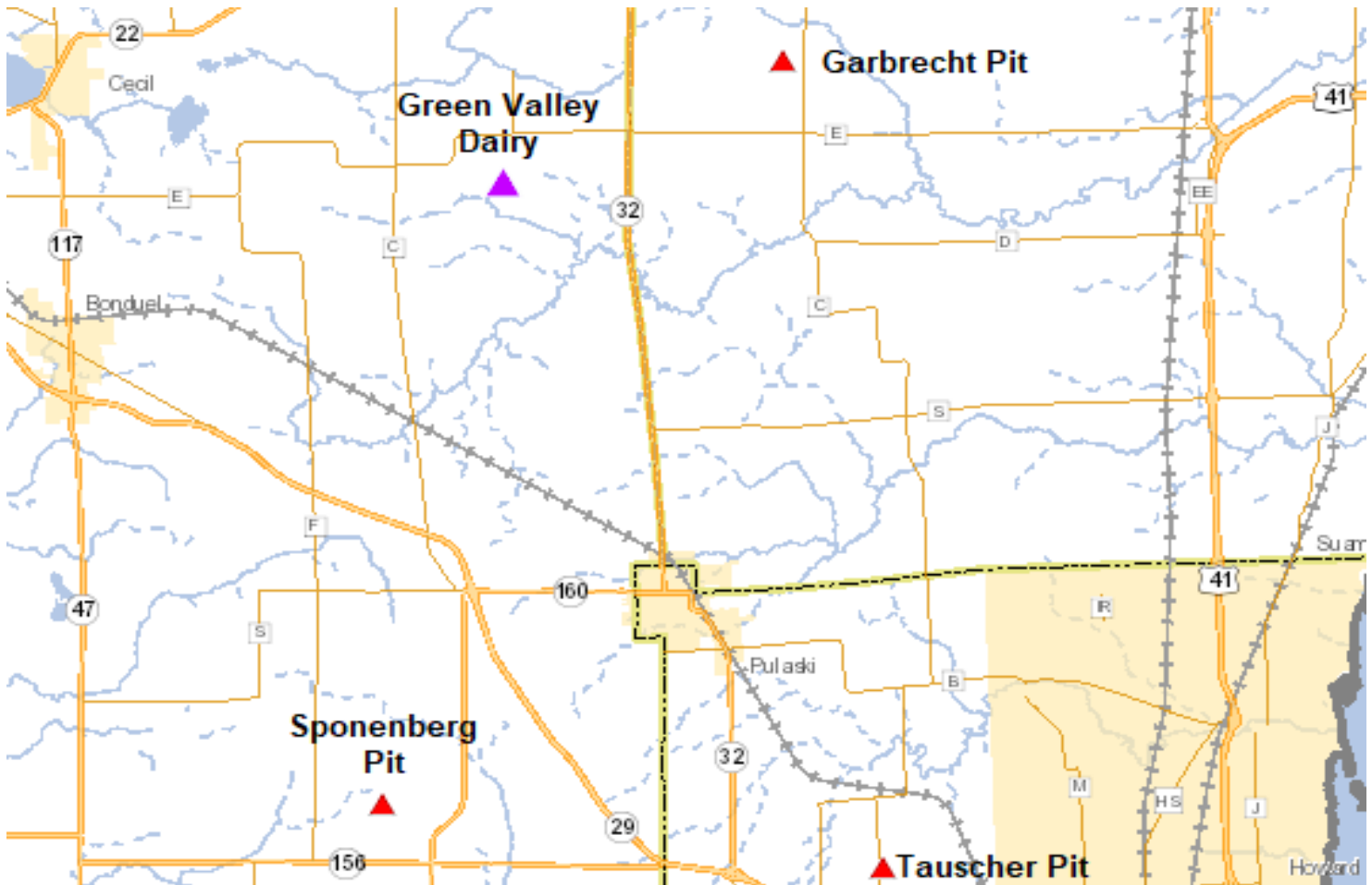
Report Author: Brian Hanson: DNR Agricultural Runoff Specialist

Other Participating Agencies: Blake Schuebel, Jacob Buettner—Shawano County

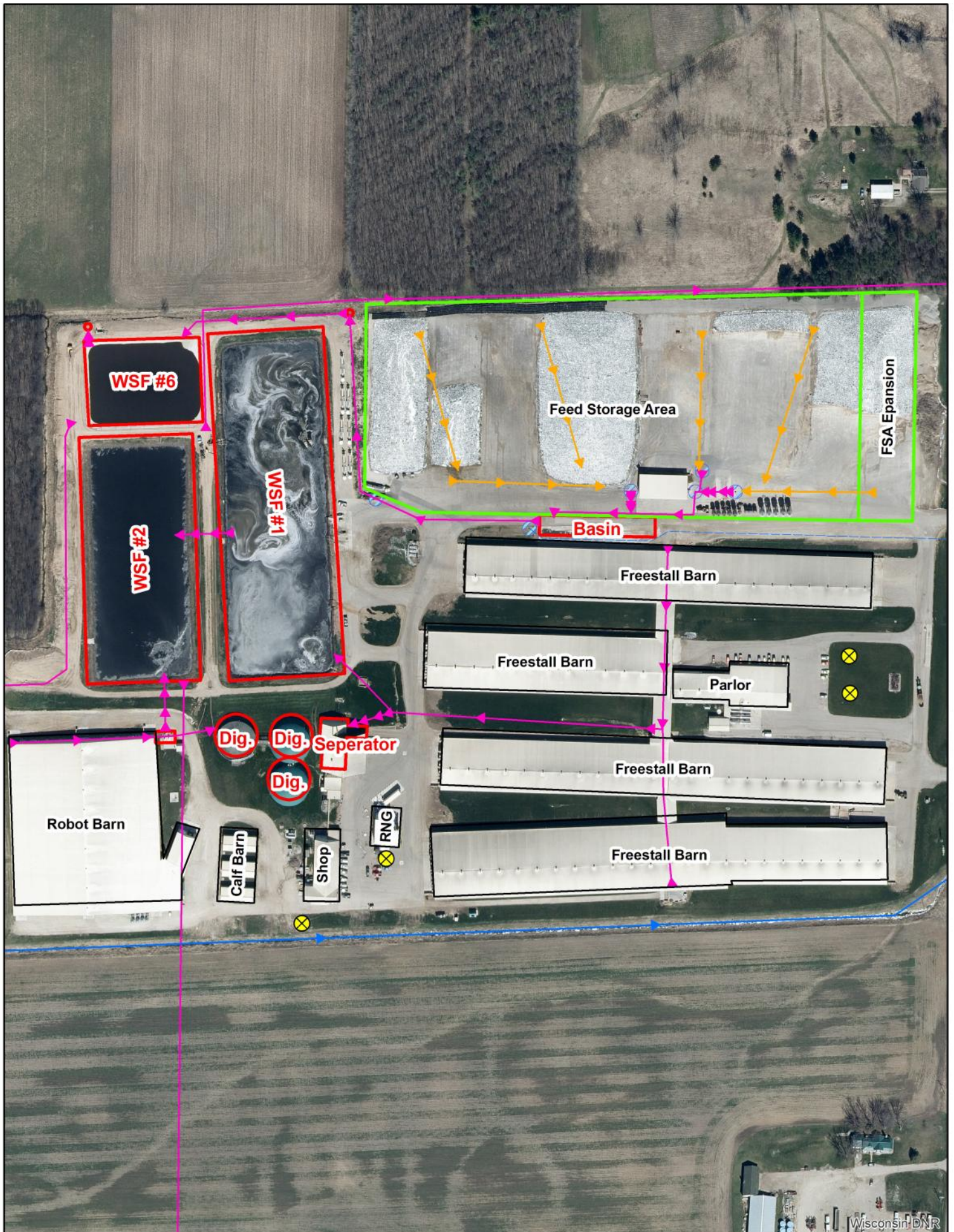
Introduction

On Wednesday October 1st, 2025 Hanson met with Jacobs, Schuebel & Buettner at 9:00 at Green Valley Dairy LLC site to conduct a permit reissuance compliance inspection. The main dairy & the 3 satellite sites were inspected. No liquid precipitation had fallen over the previous 24 hours and the temperature was in the 60's and sunny. No permit violations were observed, and no water samples were collected. Hanson departed at approximately 11:00.

Site Overview Diagram (

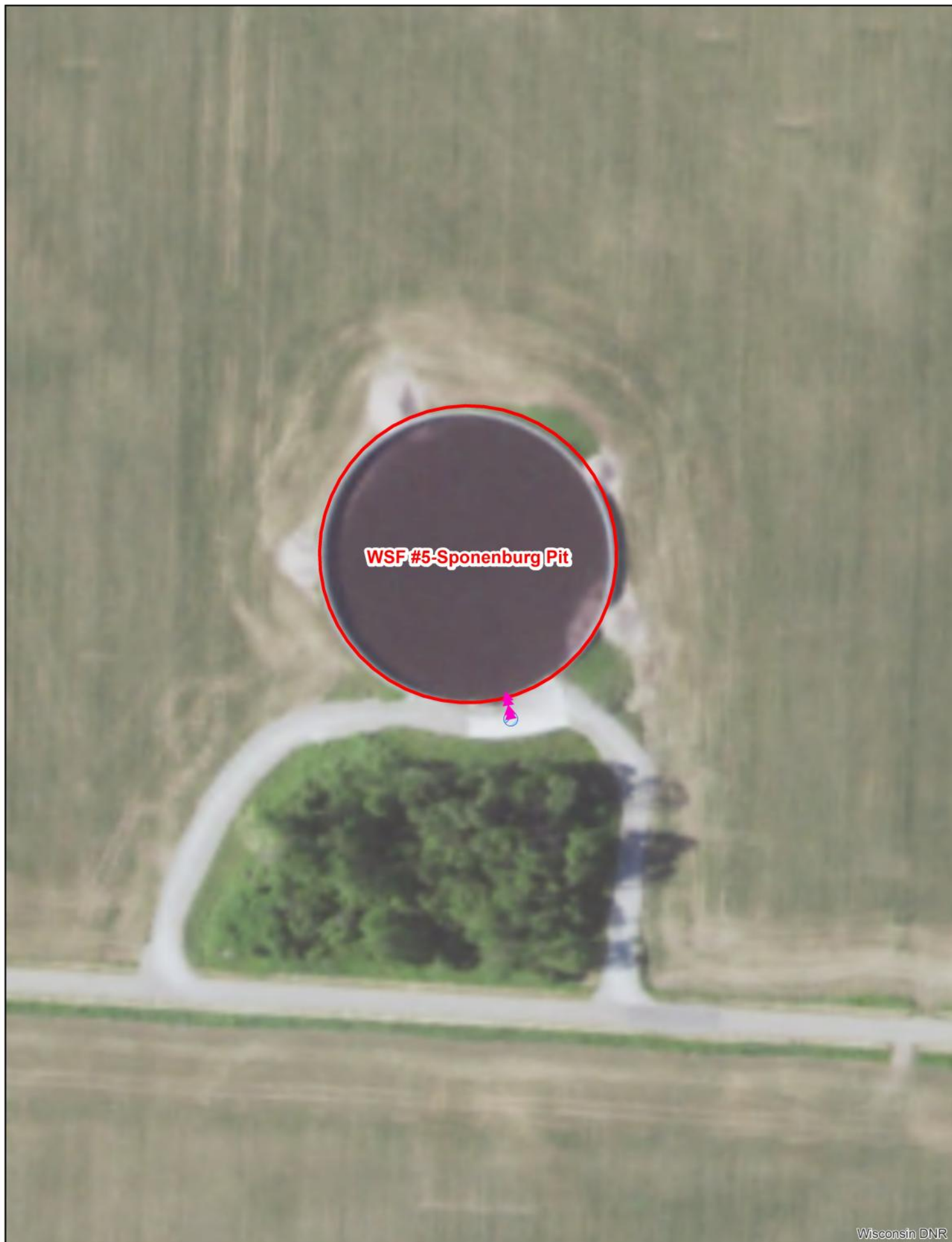


Site Overview Diagram (Main Dairy: orange lines = potential contaminated runoff, blue lines = stormwater flow, pink lines = waste transfer system, yellow circles = well locations)









SITE OBSERVATIONS :

Feedlot Runoff

No outdoor animal lots are present at the farm. All cattle are housed under roof.

Calf Hutch Areas

There are no calf hutch areas located on the farm at this time. Most calves are raised offsite at a facility not covered under this WPDES Permit..

Waste Storage Facilities (Photos on pages 8-23)

There are 6 liquid waste storage facilities located on the farm. 3 are at the main dairy and 3 are satellite facilities.

WSF #1 is an in place earthen impoundment located at the main dairy directly west of the feed storage area that was constructed in 1999. This facility usually accepts manure following anaerobic digestion & solid separation, but also has the capability to accept raw manure from the freestall barns. WSF #1 is connected to WSF #2 via a concrete overflow pipe

WSF #2 is an in place earthen impoundment located at the main dairy directly west of WSF #1 that was constructed in 2001. This facility usually accepts manure from WSF #1 via overflow pipe, but also has the capability to accept raw manure from the robot barn. WSF #1 is connected to WSF #2 via a concrete overflow pipe

WSF #3 is an in place earthen impoundment located at the Tauscher site in Brown County that was constructed in 2002. This storage accepts manure and process wastewater transferred from the main dairy via tanker trucks and is unloaded into this facility prior to land application.

WSF #4 is an concrete lined impoundment located at the Garbrecht site in Oconto County that was constructed in 2019. This storage accepts manure and process wastewater transferred from the main dairy via tanker trucks and is unloaded into this facility prior to land application. This facility has a concrete access ramp in the northeast corner and a concrete unloading pad which contains a surface drain that gravity flows back to the WSF.

WSF #5 is a vertical wall Pipping concrete structure located at the Sponenberg site in southeast Shawano County that was constructed in 2020. This storage accepts manure and process wastewater transferred from the main dairy via tanker trucks and is unloaded into this facility prior to land application. This facility has a concrete unloading pad along the south wall which contains a surface drain that gravity flows back to the WSF.

WSF #6 is an concrete lined impoundment located at the main dairy north of WSF #2 that was constructed in 2023. This storage accepts leachate and feedpad runoff from the feed storage area. This facility has a concrete access ramp in the northeast corner. This facility also has a connected manhole just north of the pit which will be used in the future to land apply the runoff water through an autonomous dragline system to actively growing crop fields.

The farm has 3 anaerobic digesters located at the main dairy that are located south of WSF #1. Two of these facilities were built in 2005 and the third was built in 2008. All manure on the farm is ran through these digesters to produce bio gas which is then cleaned in the RNG building and shipped offsite. After digestion, the manure is processed in the solid separator building and liquids are sent to the WSF's for long term storage.

The farm has 1 solid manure storage area at the main dairy. It is located inside the solid separator building and is under roof. Separated & dried solids are temporarily stored here before being reused as bedding or land applied.

Except for the woody vegetation noted in the photo log around WSF #4 at the Garbrecht site, liquid waste storage structures are well-maintained, appear in good repair, and appear to be in compliance with permit requirements.

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

Milking parlor washwater at the Main Dairy is collected and mixed with the manure from the dairy barns in the central reception collection system.

Feed Storage Area Runoff (Photos on pages 23-29)

This is currently 1 feed storage area located on the farm and is at the main dairy. The feed storage area is approximately 11 acres in area and is located on the north side of the freestall barns. In general the pad is sloped to the south and to the center. Engineered runoff controls were installed in 2023. Runoff is channeled to a runoff collection basin on the south side of the FSA with the aid of multiple surface inlets. From the runoff collection basin, runoff gravity flows west and north around the FSA to a transfer manhole located at the northwest corner of the FSA. From this manhole runoff is pumped to WSF #6 for long term storage.

The Feed Storage area is well-maintained, in good repair, and appears in compliance with permit requirements.

Animal Mortality Disposal

Mortalities are moved to central location and picked up daily as needed by OJ Krull.

Ancillary Service Areas (Photo on page 29)

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.). At the time of the inspection, all stormwater channels were well vegetated. Farm should continue to manage these areas to minimize the chance of runoff from the production area.

RECORDS REVIEW

The permittee has current WPDES Permit and Nutrient Management Plan onsite, and they are located in the office.

The permittee provided complete production site inspection records that are required to be retained. Daily Hauling logs, CAFO Calendar for required inspections and manure pit volume logs were all available for inspection.

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

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.

EXPANSION PLANS

The farm does not have any plans to expand at this time, but will make a final decision prior to submitting reissuance application.

WELL LOCATIONS (Photos on pages 30-31)

There are currently 4 water supply wells at the main dairy. See maps and photo log for further details.

Photo #:	1
Date/Time of Photo:	10/1/2025 09:30
Photo By:	Brian Hanson
Photo Location:	Main Dairy WSF #1
Photo Description: Standing on the east side of WSF #1 looking north: View of east side of WSF #1.	



Photo #:	2
Date/Time of Photo:	10/1/2025 09:31
Photo By:	Brian Hanson
Photo Location:	Main Dairy WSF #1
Photo Description: Standing on east side of WSF #1 looking south: View of east side of WSF #1.	



Photo #:	3
Date/Time of Photo:	10/1/2025 09:31
Photo By:	Brian Hanson
Photo Location:	Main Dairy WSF #1
Photo Description: Standing on east side of WSF #1 near agitation ramp: View of permanent markers embedded in concrete ramp.	



Photo #:	4
Date/Time of Photo:	10/1/2025 09:34
Photo By:	Brian Hanson
Photo Location:	Main Dairy WSF #1
Photo Description: Standing on north side of WSF #1 looking east: View of north edge of WSF #1.	



Photo #:	5
Date/Time of Photo:	10/1/2025 09:34
Photo By:	Brian Hanson
Photo Location:	Main Dairy WSF #1
Photo Description: Standing on west side of WSF #1 looking south: View of west edge of WSF #1.	



Photo #:	6
Date/Time of Photo:	10/1/2025 09:36
Photo By:	Brian Hanson
Photo Location:	Main Dairy WSF #2
Photo Description: Standing on north side of WSF #2 looking south: View of northeast corner of WSF #2.	



Photo #:	7
Date/Time of Photo:	10/1/2025 09:36
Photo By:	Brian Hanson
Photo Location:	Main Dairy WSF #2
Photo Description: Standing on north side of WSF #2 looking southwest: View of northwest corner of WSF #2.	



Photo #:	8
Date/Time of Photo:	10/1/2025 09:39
Photo By:	Brian Hanson
Photo Location:	Main Dairy WSF #2
Photo Description: Standing on the south side of WSF #2 looking north: View of southeast corner of WSF #2.	



Photo #:	9
Date/Time of Photo:	10/1/2025 09:39
Photo By:	Brian Hanson
Photo Location:	Main Dairy WSF #2
Photo Description: Standing on the south side of WSF #2 looking northwest: View of southwest corner of WSF #2.	



Photo #:	10
Date/Time of Photo:	10/1/2025 10:18
Photo By:	Brian Hanson
Photo Location:	Tauscher Pit WSF #3
Photo Description: Standing on the north side of WSF #3 looking east: View of north edge of WSF #3.	



Photo #:	11
Date/Time of Photo:	10/1/2025 10:19
Photo By:	Brian Hanson
Photo Location:	Tauscher Pit WSF #3
Photo Description: Standing on the north side of WSF #3 looking south: View of west edge of WSF #3. Notice concrete armoring in northwest corner of pit used to unload trucks.	



Photo #:	12
Date/Time of Photo:	10/1/2025 10:20
Photo By:	Brian Hanson
Photo Location:	Tauscher Pit WSF #3
Photo Description: Standing on the south side of WSF #3 looking east: View of south edge of WSF #3.	



Photo #:	13
Date/Time of Photo:	10/1/2025 10:20
Photo By:	Brian Hanson
Photo Location:	Tauscher Pit WSF #3
Photo Description: Standing on west side of WSF #3 looking north: View of west edge of WSF #3.	



Photo #:	14
Date/Time of Photo:	10/1/2025 10:21
Photo By:	Brian Hanson
Photo Location:	Tauscher Pit WSF #3
Photo Description: Standing at northwest corner of WSF #3 looking east & down. View of permanent markers on concrete armoring along north edge of WSF #3. Pit operating just below MOL level.	



Photo #:	15
Date/Time of Photo:	10/1/2025 10:47
Photo By:	Brian Hanson
Photo Location:	Garbrecht Pt WSF #4
Photo Description: Standing on east side of WSF #4 looking west: View of north edge of WSF #4. Notice access ramp located in northeast corner of pit.	



Photo #:	16
Date/Time of Photo:	10/1/2025 10:47
Photo By:	Brian Hanson
Photo Location:	Garbrecht Pit WSF #4
Photo Description: Standing on the north side of WSF #4 looking south: View of east edge of WSF #4. Notice woody vegetation present at edge of concrete liner.	



Photo #:	17
Date/Time of Photo:	10/1/2025 10:49
Photo By:	Brian Hanson
Photo Location:	Garbrecht Pit WSF #4
Photo Description: Standing on east side of WSF #4 looking west: View of south edge of WSF #4. Notice woody vegetation in southeast corner.	



Photo #:	18
Date/Time of Photo:	10/1/2025 10:49
Photo By:	Brian Hanson
Photo Location:	Garbrecht Pit WSF #4
Photo Description: Standing on east side of WSF #4 looking west: View of unloading area catchment basin used to collect any manure that may be spilled by tankers while unloading.	



Photo #:	19
Date/Time of Photo:	10/1/2025 10:48
Photo By:	Brian Hanson
Photo Location:	Garbrecht Pit WSF #4
Photo Description: Standing on east side of WSF #4 looking north: View of east edge of WSF #4. Outlet pipe of catchment basin in photo 18 highlighted.	



Photo #:	20
Date/Time of Photo:	10/1/2025 10:00
Photo By:	Brian Hanson
Photo Location:	Sponenberg Pit WSF #5
Photo Description: Standing on the south side of WSF #5 looking northwest: View of southwest edge of WSF #5	



Photo #:	21
Date/Time of Photo:	10/1/2025 09:59
Photo By:	Brian Hanson
Photo Location:	Sponenburg Pit WSF #5
Photo Description: Standing on south side of WSF #5 looking northeast: View of southeast corner of WSF #5.	



Photo #:	22
Date/Time of Photo:	10/1/2025 10:00
Photo By:	Brian Hanson
Photo Location:	Sponenburg Pit WSF #5
Photo Description: Close up view of photo #21: View of marker embedded into concrete wall.	



Photo #:	23
Date/Time of Photo:	10/1/2025 10:00
Photo By:	Brian Hanson
Photo Location:	Sponenburg Pit WSF #4
Photo Description: Standing on south side of WSF #5 looking northwest: View of truck unloading area on south side of WSF #5. Notice manure deflection ramp & spill collection catchment grated.	



Photo #:	24
Date/Time of Photo:	10/1/2025 10:00
Photo By:	Brian Hanson
Photo Location:	Sponenburg Pit WSF #5
Photo Description: Standing on south side of WSF #5 looking west: View of spill catchment basin outlet pipe on interior of WSF #5.	



Photo #:	25
Date/Time of Photo:	10/1/2025 09:34
Photo By:	Brian Hanson
Photo Location:	Main Dairy WSF #6
Photo Description: Standing on north side of WSF #6 looking south: View of east edge of WSF #6	



Photo #:	26
Date/Time of Photo:	10/1/2025 09:34
Photo By:	Brian Hanson
Photo Location:	Main Dairy WSF #6
Photo Description: Standing on north side of WSF #6 looking west: View of north edge of WSF #6. Notice 2 white outlet pipe coming from pump station at northwest corner of FSA.	



Photo #:	27
Date/Time of Photo:	10/1/2025 09:35
Photo By:	Brian Hanson
Photo Location:	Main Dairy WSF #6

Photo Description:

Standing on the east side of WSF #6 looking west: View of the south edge of WSF #6



Photo #:	28
Date/Time of Photo:	10/1/2025 09:36
Photo By:	Brian Hanson
Photo Location:	Main Dairy WSF #6

Photo Description:

Standing on the south side of WSF #6 looking west: View of MOL marker for leachate basin. Marker is iron rod running down side slope of pit.



Photo #:	29
Date/Time of Photo:	10/1/2025 09:36
Photo By:	Brian Hanson
Photo Location:	Main Dairy WSF #6
Photo Description: Standing on south side of WSF #6 looking west: View of southwest corner of WSF #6. Notice floating pump used to supply Rain 360 unit with process wastewater.	



Photo #:	30
Date/Time of Photo:	10/1/2025 09:38
Photo By:	Brian Hanson
Photo Location:	Main Dairy Digesters
Photo Description: Standing on the east side of robot barn looking north: View of the 3 anaerobic digesters. Located south of WSF #1.	



Photo #:	31
Date/Time of Photo:	10/1/2025 09:38
Photo By:	Brian Hanson
Photo Location:	Main Dairy Solids Building
Photo Description: Standing on the north side of RNG building looking west: View of solids separation building. Manure solids are removed from the manure stream, dries and stored inside this building until they are reused to bed the freestall buildings.	



Photo #:	32
Date/Time of Photo:	10/1/2025 09:27
Photo By:	Brian Hanson
Photo Location:	Main Dairy Feed Storage
Photo Description: Standing on the east side of FSA looking west: View of the north edge of FSA.	



Photo #:	33
Date/Time of Photo:	10/1/2025 09:27
Photo By:	Brian Hanson
Photo Location:	Main Dairy Feed Storage
Photo Description:	
Standing on the north side of FSA looking south: View of west edge of FSA.	



Photo #:	34
Date/Time of Photo:	10/1/2025 09:28
Photo By:	Brian Hanson
Photo Location:	Main Dairy Feed Storage
Photo Description:	
Standing on the east side of FSA looking west: View of south edge of FSA. Arrows indicate direction of runoff flow.	



Photo #:	35
Date/Time of Photo:	10/1/2025 09:28
Photo By:	Brian Hanson
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the south side of FSA looking north: View of eastern section of FSA.



Photo #:	36
Date/Time of Photo:	10/1/2025 09:29
Photo By:	Brian Hanson
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the south side of FSA looking north: View of center section of FSA. Notice commodity building on left side of photo. One of the many surface inlets highlighted.



Photo #:	37
Date/Time of Photo:	10/1/2025 09:29
Photo By:	Brian Hanson
Photo Location:	Main Dairy Feed Storage
Photo Description: Standing on the south side of FSA looking north: View of the center section of FSA. Notice another surface inlet on the west side of commodity shed.	



Photo #:	38
Date/Time of Photo:	10/1/2025 09:29
Photo By:	Brian Hanson
Photo Location:	Main Dairy Feed Storage
Photo Description: Standing on the south side of FSA looking north: View of western portion of FSA.	



Photo #:	39
Date/Time of Photo:	10/1/2025 09:33
Photo By:	Brian Hanson
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on the west side of FSA looking east: View of north edge of FSA.



Photo #:	40
Date/Time of Photo:	10/1/2025 09:32
Photo By:	Brian Hanson
Photo Location:	Main Dairy Feed Storage

Photo Description:

Standing on west side of FSA looking northeast: View of west edge of FSA.



Photo #:	41
Date/Time of Photo:	10/1/2025 09:42
Photo By:	Brian Hanson
Photo Location:	Main Dairy Feed Storage
Photo Description:	
Standing on south side of FSA looking east: View of runoff collection basin on south side of FSA. Arrows indicated direction of runoff flow.	



Photo #:	42
Date/Time of Photo:	10/1/2025 09:42
Photo By:	Brian Hanson
Photo Location:	Main Dairy Feed Storage
Photo Description:	
Alternative view of runoff collection basin in photo #41 looking west. 24" plastic pipe on west end acts as outlet to pump station to WSF #6.	



Photo #:	43
Date/Time of Photo:	10/1/2025 09:33
Photo By:	Brian Hanson
Photo Location:	Main Dairy Feed Storage
Photo Description: Standing on northwest corner of FSA looking east: View of pump station used to transfer FSA runoff from gravity collection system to WSF #6.	



Photo #:	44
Date/Time of Photo:	10/1/2025 09:42
Photo By:	Brian Hanson
Photo Location:	Main Dairy Stormwater
Photo Description: Standing on the south side of FSA looking south: View of stormwater inlet on west side of FSA runoff collection basin.	



Photo #:	45
Date/Time of Photo:	10/1/2025 0925
Photo By:	Brian Hanson
Photo Location:	Main Dairy Well Locations
Photo Description:	Standing on east side of parlor looking southeast: View of water supply well location east of parlor.



Photo #:	46
Date/Time of Photo:	10/1/2025 09:25
Photo By:	Brian Hanson
Photo Location:	Main Dairy Well Locations
Photo Description:	Standing on east side of parlor looking northeast: View of water supply well on east side of parlor.



Photo #:	47
Date/Time of Photo:	10/1/2025 09:40
Photo By:	Brian Hanson
Photo Location:	Main Dairy Well Locations
Photo Description: Standing on south side of calf barn looking east: View of water supply well location south of the shop.	



Photo #:	48
Date/Time of Photo:	10/1/2025 09:41
Photo By:	Brian Hanson
Photo Location:	Main Dairy Well Locations
Photo Description: Standing on east side of shop looking east: View of water supply well locations. Well located inside small yellow building.	



SUMMARY:

Areas of Concern

- There is some woody vegetation starting to grow around the perimeter of WSF #4-Garbrecht Pit in close proximity to the concrete liner. Excessive root growth could cause damage to the concrete liner.

Action Items

- Remove all woody vegetation around waste storage facilities.
- Submit reissuance application by 4/1/2025

Permit Violations

- None.

Required in Next Permit Term

- No additional schedule items anticipated at this time..

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
- ENVIRONMENTAL ANALYSIS QUESTIONNAIRE for Concentrated Animal Feeding Operations
(Screening questions will determine if entire questionnaire needs to be completed)