

Permit Fact Sheet

General Information

Permit Number:	WI-0065234-03-0
Permittee Name:	North Side Genetics LLC
Address:	3743 Wood Rd
City/State/Zip:	Fennimore WI 53809
Discharge Location:	3743 Wood Rd, Fennimore WI 53809
Receiving Water:	Unnamed Tributaries to Castle Rock Creek within the Blue River Watershed and groundwaters of the state
Discharge Type:	Existing

Animal Units					
Animal Type	Current AU		Proposed AU (Note: If all zeroes, expansions are not expected during permit term)		
	Mixed	Individual	Mixed	Individual	Date of Proposed Expansion
Milking and Dry Cows	1190	1216	0	0	
Total	1190	1216	0	0	

Facility Description

North Side Genetics LLC is an existing concentrated animal feeding operation (CAFO) owned and operated by Mike Bossom. The production area consists of freestall barns, milking parlor, a sand separation system, 2 waste storage facilities, and a feed storage area with an associated runoff collection system. The operation has a herd size of 1,190 mixed animal units, including 850 milking and dry cows. North Side Genetics LLC currently has 1,234.8 acres, of which 1,184 are spreadable acres. The operation has 224 days of liquid waste storage. No expansions or production area changes are planned for the proposed permit term.

Substantial Compliance Determination

Enforcement During Last Permit:

North Side Genetics LLC received Notices of Noncompliance on 10/12/2018, 10/24/2018 and 6/20/2019 related to a failure to comply with permit requirements, including the construction of a permanent runoff control system for their feed storage area. Enforcement was escalated to the issuance of two Notices of Violation on 4/19/2019 and 10/16/2019 for continued failure to adhere to comply with permit requirements and documented discharges from the production area. On 6/13/2022 North Side Genetics was referred to the Wisconsin Department of Justice for failing to complete construction of a permanent feed storage runoff control system. North Side Genetics LLC submitted post construction documentation specifying the completion of the project on 9/5/2023, and all required further actions have been addressed by the facility.

After a desk top review of all compliance schedule items, and site visits on 5/5/23 and 9/27/23, this facility has been found to be in substantial compliance with their current permit.

Sample Point Designation For Animal Waste		
Sample Point Number	Sample Point Location, WasteType/sample Contents and Treatment Description (as applicable)	
001	Sample Point 001 is for liquid waste storage facility 1 (WSF 1) located at North Side Genetics LLC. WSF 1 is a two-stage storage system located east of the sand separation system. The first cell is concrete lined, the second cell is clay lined, and the two are separated by a concrete wall. The facility has a capacity of approximately 2.9 million gallons at the maximum operating level and was constructed in 2006. This storage accepts manure and process wastewater from the sand separation system, free stall barns, parlor, and holding area. WSF 1 was last evaluated in 2013 and met permit requirements	
002	Sample point 002 is for liquid waste storage facility 2 (WSF 2) located at North Side Genetics LLC. WSF 2 is a concrete lined storage located north of WSF 1. The facility has a capacity of approximately 3.8 million gallons at the maximum operating level and was constructed in 2014. This storage accepts manure and process wastewater from WSF 1 and the feed storage runoff control system. WSF 2 received plans and specifications approval in 2014.	
004	Sample point 004 is for the sand separation system and adjacent solid storage area located west of WSF 1. There are two, parallel concrete settling lanes that are 250 ft long, 8 ft wide, and 8 inches deep. Manure, process wastewater, and sand is transferred from the free stall barns to the sand separation lanes by a flush flume transfer system. Liquids continue through the sand lanes and flow into WSF 1. Separated sand is scraped onto the concrete stacking pad to dry. Sand is either reused as bedding, or is land applied in accordance with the farm's nutrient management plan. This system was last evaluated in 2013 and met permit requirements.	
005	Sample point 005 is for visual monitoring and inspection of the feed storage area and associated runoff control system located on the northeast corner of the production area. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program. Feed is stored in bunkers while leachate and runoff are directed to an adjacent clay-lined collection basin that has a concrete bottom. Collected process wastewater from the basin is pumped to WSF2 via truck. The feed pad apron was replaced and the permanent collection system was constructed in 2023 with department review and approval.	
006	Sample point 006 is for solid manure sources that are directly land applied and not stored in a waste storage facility. This includes solid sources such as sand-laden solids, calf hutch manure, maternity pen bedpack, heifer bedpack, steer manure, etc. Representative samples shall be taken for each manure source type.	
007	Sample point 007 is for solid manure stacked in approved headland stacking locations. Representative samples shall be taken of this manure prior to land application. Note: Headland stacking sites are subject to production site discharge limitations; weekly visual monitoring is required during use of stacking sites to ensure discharges meet permit requirements.	
008	Sample point 008 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	

Sample Point Designation For Animal Waste		
Sample Point Number	Sample Point Location, WasteType/sample Contents and Treatment Description (as applicable)	
	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.	
009	Sample Point 009 is for process wastewater collected in the feed storage runoff collection basin that is directly land applied. Representative samples shall be taken when land application occurs. A concrete flume directs leachate and runoff from the adjacent feed pad and bunkers. The basin is clay-lined with a concrete bottom and was designed to collect up to the 24-hour, 25-year storm event. The basin was constructed in 2023 with department review and approval.	

1 Livestock Operations - Proposed Operation and Management

Production Area Discharge Limitations

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

Runoff Control

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

Manure and Process Wastewater Storage

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

The permittee currently has approximately 224 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 1,190 animal units (850 milking & dry cows), it is estimated that approximately 11,169,535 of manure and process wastewater will be produced per year. The permittee owns *approximately* 50 acres of cropland and rents about 1,184.8. Given the rotation commonly used by the permittee, 1,184 acres are available (or open) to receive manure and process wastewater on an annual basis. The permit requires all landspreading of manure and process wastewater be completed in accordance with an approved nutrient management plan. The permit will require sampling and analysis of manure and process wastewater that will be landspread. Landspreading rates must be adjusted based on sample analysis. The permit requires the permittee to maintain a daily log that documents landspreading activities. The permit also requires the submittal of an annual report that summarizes all landspreading activities. Plans must be updated annually to reflect cropping plans and other operational changes. Among the requirements, the plans must include detailed landspreading information including field by field nutrient budgets.

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

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

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

Monitoring and Sampling Requirements

The permittee must submit a monitoring and inspection program that outlines how the permittee will conduct self-inspections to determine compliance with permit conditions. These self-inspections include visual inspections of water lines, diversion devices, storage and containment structures and other parts of the production area. The permit requires periodic inspections and calibrations of 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.

Sample Point Number: 001- WSF 1; 002- WSF 2, and 009- Feed Storage Collection Basin

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

1.1.1 Changes from Previous Permit

Sample Point 001 was edited to include updated information about the facility.

Sample Point 002 was edited to include updated information about the facility.

Sample Point 009 was added to account for process wastewater collected in the feed storage runoff basin.

1.1.2 Explanation of Operation and Management Requirements

Wastes shall be stored, and land applied according to permit and nutrient management requirements.

Sample Point Number: 004- Sand Settling Lanes; 006- Miscellaneous Solid Manure; 007- Headland Stacking

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	

1.1.3 Changes from Previous Permit

Sample Point 004 was edited to include updated information about the facility.

1.1.4 Explanation of Operation and Management Requirements

Wastes shall be stored, and land applied according to permit and nutrient management requirements.

Sample Point Number: 005- Feed Storage Runoff Controls and 008- Stormwater

1.1.5 Changes from Previous Permit

Sample Point 005 was edited to include updated information about the facility.

Sample Point 008 was added to account for stormwater conveyance systems.

1.1.6 Explanation of Operation and Management Requirements

NA

2 Schedules

2.1 Emergency Response Plan

Required Action	Due Date
Develop Emergency Response Plan: Update a written Emergency Response Plan within 30 days of permit coverage, available to the Department upon request.	05/01/2024

2.2 Monitoring & Inspection Program

Required Action	Due Date
Proposed Monitoring and Inspection Program: Consistent with the Monitoring and Sampling Requirements subsection, the permittee shall submit a proposed monitoring and inspection program within 60 days of the effective date of this permit.	05/31/2024

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.	01/31/2025
Submit Annual Report #2: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2026

Submit Annual Report #3: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2027
Submit Annual Report #4: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2028
Submit Annual Report #5: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2029
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).	05/01/2024
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.	03/31/2025
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.	03/31/2026
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.	03/31/2027
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.	03/31/2028
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.	03/31/2029
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.	10/03/2028

2.6 Explanation of Schedules

Schedules are included in the permit to ensure compliance with s. NR 243, Wis. Admin. Code, requirements. Schedules for the following items have been incorporated into the permit:

The schedules contained in 2.1-2.5 are standard permit schedules.

Attachments:

Map

Plan Approval Letters

Expiration Date:

3/31/2029

Prepared By:

Claire O'Connell

Agricultural Runoff Management Specialist

Date: 2/8/2024



Sand Separation System

WSP1 first stage

WSP2

Feed Storage Area

WSP1 second stage

Freestall Barns and Parlor

Abandoned Waste Storage

Image © 2016 / Airbus

Goo



January 19th, 2024

Grant County
Approval

Mike Bossom
North Side Genetics, LLC
3743 Wood Rd
Fennimore, WI 53809

SUBJECT: Conditional Approval of North Side Genetics, LLC Nutrient Management Plan, WPDES Permit No. 0059374-05-0

Dear Mr. Bossom:

After completing a review of North Side Genetics, LLC 2024-2028 Nutrient Management Plan (NMP) the Wisconsin Department of Natural Resources (Department) is providing conditional approval that it is consistent with s. NR 243.14, 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 North Side Genetics, 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. Specifically, some fields in North Side Genetics, LLC may have:

- Soils that may have bedrock or groundwater within 24 inches of surface,
- Multiple setback areas due to streams, conduits to streams, grassed waterways, wetlands or wells, and
- Evidence of possible soil erosion/flow channels. Note: road ditches or other man-made channels may be considered flow channels or conduits to navigable water and may be subject to a SWQMA and setback.

Reviewing the NMP and checking fields for these features and soil conditions prior to manure applications will help North Side Genetics, LLC maintain compliance with their WPDES permit and Ch. NR 243 requirements.

FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 1,190 animal units (850 milking & dry cows). Currently there are no planned expansions in the next permit term.
2. Manure generation and spreading records indicate your herd will annually generate approximately 11,169,535 gallons of manure and process wastewater and 0 tons of solid manure in the first year of the permit term.
3. The use of application restriction options 1 and 5 within surface water quality management areas.
4. The use of phosphorus delivery method P Index.
5. That North Side Genetics, LLC currently has 1,234.8 acres (50 owned and 1,184.8 controlled through contracts, rental agreements or leases, or under manure agreements) of which 1,184 are spreadable acres.

6. That some fields included in the NMP are directly adjacent to or have high potential to deliver nutrients and sediment to Castle Rock Creek & Rogers Branch (listed 303(d) impaired water by ‘sediment/total suspended solids’ and ‘total phosphorus’).
7. That no fields are directly adjacent to or have high potential to deliver nutrients and sediment to outstanding/exceptional waters.
8. That the following fields included in the NMP are located within the well head protection area for the city of Fennimore: RV-Quarry.
9. That no fields are tiled.
10. 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.
11. That surface applications of manure will not be completed when precipitation capable of producing runoff is forecasted within 24 hours of the time of planned application.

CONDITIONAL NUTRIENT MANAGEMENT PLAN APPROVAL

The Department hereby approves the 2024-2028 North Side Genetics, 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 in Snap Plus, evaluated for their nutrient needs, and approved by the Department.
2. The following fields are prohibited from receiving applications of manure or process wastewater:

The following fields are prohibited due to using default soil test values:

- | | | |
|--------|--------|--------|
| - FM1 | - FM10 | - FM11 |
| - FM12 | - FM13 | - FM14 |
| - FM15 | - FM16 | - FM2 |
| - FM3 | - FM4 | - FM5 |
| - FM6 | - FM7 | - FM8 |
| - FM9 | - FN1 | - FN10 |
| - FN11 | - FN12 | - FN13 |
| - FN14 | - FN15 | - FN16 |
| - FN17 | - FN2 | - FN3 |
| - FN4 | - FN5 | - FN6 |
| - FN7 | - FN8 | - FN9 |

The following field is within 1,000’ of municipal well:

- RV-Quarry (portion of field within 1,000’ is prohibited from manure applications)

If North Side Genetics, 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.

3. If existing fields yield a soil test results ≥ 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 $\text{NH}_4\text{-N}$, percent $\text{NO}_3\text{-N}$, phosphorus, potassium, and sulfur.
5. 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, North Side Genetics, LLC may use the following equation to adjust the first-year available nitrogen when applications are injected or incorporated within 1 hour:

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

6. North Side Genetics, LLC shall record daily manure applications by using one of the following: DNR 3200-123A, 'Daily Manure Application Log' or the 'Snap Plus Daily Log'. These forms shall be retained at the farm and provided to the department upon request.
7. North Side Genetics, 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 form 'CAFO Annual Spreading Report (CNM1)' as generated by Snap Plus.

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:
 - Charlies East
 - Q Bottoms West
10. 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.
11. Winter applications of liquid manure shall only occur under emergency situations, after notifying the Department and receiving verbal approval.
12. 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

13. The following headland stacking sites are approved for use with the following conditions:
 - Stacking sites can only be used with greater than 32% solids.
 - Stacking sites can only be used 1 out of every 2 years.
 - Stacking site can be used during February and March, or when the ground is not frozen, or snow covered.
- Stacking Site Main #1
 - Stacking Site Main #2

*Please note that currently there is no manure sample for solids to show % dry matter, so this would be necessary to verify before these sites could be used.

MANURE & PROCESS WASTEWATER IRRIGATION

14. Irrigation of manure or process wastewater is prohibited.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

15. 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.

16. An updated restriction map for Around Dairy is due by January 26th, 2024 if an updated marking is required for the potential channelized flow path on east side of the field.

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: Claire O'Connell, WDNR Agricultural Runoff Specialist (Claire.Oconnell@Wisconsin.gov)
Laura Bub, WDNR Watershed Field Supervisor (Laura.Bub@Wisconsin.gov)
Joe Baeten, WDNR Watershed Field Supervisor (Joeseeph.Baeten@Wisconsin.gov)
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Rob Davis, WDNR CAFO Engineer (Robert.Davis@Wisconsin.gov)
Brady Bartels, Grant County (Bbartels@Co.Grant.Wi.gov)
Kevin Beckard, AgSource Laboratories (kbeckard@agsource.com)
File



January 22, 2024

FILE REF: R-2023-0205
 WPDES Permit #: WI-0065234

Mike Bossom
 North Side Genetics LLC
 3743 Wood Road
 Fennimore, WI 53809

Subject: Days of Storage Review for North Side Genetics LLC in T06N, R02W, Section 9, Fennimore Township, Grant County – NO ADDITIONAL ACTION REQUIRED

Dear Mr. Bossom:

This letter is to inform you that the Wisconsin Department of Natural Resources (Department) has completed its review of the calculation of days of storage submitted by Robert Pofahl, P.E., Resource Engineering Associates, Inc. on September 28, 2023 on behalf of North Side Genetics 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 North Side Genetics LLC has 224 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 1,190. There is currently no expansion planned. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values. The liquid waste volumes are based upon a collection period of 365 days. There is full collection of leachate and contaminated runoff from the 25-yr, 24-hr rainfall event from the feed storage area.

Total Liquid Waste Storage:	8,444,804 gallons
Total Solids Storage:	0 gallons
Total 25-yr, 24-hr Precipitation on Storage:	451,335 gallons
Total 25-yr, 24-hr Collected Runoff:	202,410 gallons
Total Freeboard Volume:	950,700 gallons
Total MOL Liquid Waste Storage:	6,840,359 gallons

Manure and Bedding:	6,543,743 gallons
Parlor Wastewater:	2,323,590 gallons
Total Feed Storage Leachate:	31,985 gallons
Total Feed Storage Runoff Collected:	320,622 gallons
Net Precipitation on Storage Surfaces:	1,665,830 gallons
Total Stacking Pad Runoff Collected:	283,765 gallons
Total Liquid Waste Stored Below the MOL:	11,169,535 gallons

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

NOTICE OF APPEAL RIGHTS

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

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

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES



Bernie Michaud, P.E.
CAFO Engineer Supervisor
Watershed Management Program



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

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