Permit Fact Sheet

General Information

Permit Number:	WI-0066486-02-0
Permittee Name:	Traun Farms Inc
Address:	S555A County Road F
City/State/Zip:	Durand WI 54736
Discharge Location:	Maxville and Canton Townships (Buffalo County)
Receiving Water:	Little Bear Creek
Discharge Type:	Existing Source

Animal Units					
	Current AU		**Proposed AU** (Note: If all zeroes, expansions are not expected during permit term)		
Animal Type	**Mixed**	**Individual**	**Mixed**	**Individual**	**Date of Proposed Expansion**
Dairy Calves (under 400 lbs.)	80	0	0	0	
Milking and Dry Cows	1120	1144	0	0	
Heifers (400 lbs. to 800 lbs.)	216	360	0	0	
Heifers (800 lbs. to 1200 lbs.)	143	130	0	0	
Steers or Cows (400 lbs. to market)	250	250	0	0	
Total	1809	1144	0	0	

Facility Description

Traun Farms Inc is a Concentrated Animal Feeding Operation (CAFO) owned/operated by the Traun Family. The operation is located within the Townships of Maxville and Canton in Buffalo County. The operation currently has 800 Milking/Dry cows, 490 heifers, 400 calves, and 250 steers (1,809 animal units).

Traun Farms spans across two sites. Dairy Site includes: two waste storage structures, four free stall barns, feed storage pad, and five outdoor cattle lots. The North Site includes: one heifer loading shed, one waste storage structure, and a small outdoor calf lot.

The farm currently operates with 2,310 cropped acres in their nutrient management plan. Of these acres, roughly 1,296 acres are owned, and 1,014 acres are controlled by land agreements.

Substantial Compliance Determination

Enforcement During Last Permit: During the previous permit term, the department issued Traun Farms a Notice of Noncompliance letters on November 9, 2020, and January 3, 2022. These were issued for not meeting permit schedule items and for applying manure on frozen ground during February/March, respectively. The facility has completed all previously required actions as part of the enforcement process.

After a review of Annual Reports, Nutrient Management Plan Updates, permit reissuance application, and site visits on April 1, 2022, October 14, 2024, and October 23, 2024, Traun Farms has been found to be in substantial compliance with their current permit

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Compliance determination entered by Jeff Jackson – DNR Ag Runoff Field Staff on October 17, 2024.

Sample Point Designation for Animal Waste		
Sample Point Number	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**	
001	Sample point 001 is for liquid waste from waste storage facility 1 "Cow Pit", located at the Main Dairy Site. The Cow Pit is a concrete-lined storage structure located west of the free stall cow barns. The structure has a top to bottom volume capacity of approximately 5.8 million gallons and was constructed in 2014. This storage accepts manure and process wastewater from the operation's free stall cow barns. Representative samples shall be taken when material is being land applied.	
002	Sample point 002 is for liquid waste from waste storage facility 2 "Heifer Pit", located at the Main Dairy Site. The Heifer Pit is a concrete-lined storage structure located east of the feed storage pad. The structure has a top to bottom volume capacity of approximately 2.5 million gallons and was constructed in 2009. This storage accepts heifer manure, steer manure, and feed pad runoff. Representative samples shall be taken when material is being land applied.	
003	Sample point 003 is for liquid waste from waste storage facility 3 "North Pit", located at the North Site. The North Pit is an earth-lined storage with a concrete floor and access ramp. The structure as a top to bottom volume capacity of approximately 1.5 million gallons and was constructed in 2008. This storage accepts manure generated at the North Site. Representative samples shall be taken when material is being land applied.	
005	Sample point 005 is for any manure solids removed from bottom of liquid waste storage facilities. This includes manure-laden sand solids, manure fiber solids, etc. Representative samples shall be taken from each waste storage facility.	
006	Sample point 006 is for miscellaneous solid sources that are directly land applied and not stored in a waste storage facility. This includes solid sources such as calf hutch manure, maternity bedpack, heifer bedpack, steer manure, etc. Representative samples shall be taken for each manure source type.	
008	Feed Storage Pad: Sample point 008 is for visual monitoring and inspection of the feed storage pad and associated runoff control system constructed in 2020 at the Dairy Site. Proper operation and maintenance are required to ensure systems are working as designed. Weekly inspections are required and shall be recorded according to monitoring program.	
010	Sample point 010 is for visual monitoring and inspection of Lot 2 & 3 and the associated runoff collection system. Proper operation and maintenance are required to ensure systems are functioning properly and contaminated runoff is being collected. Weekly inspections are required and shall be recorded according to	

Sample Point Designation for Animal Waste		
Sample Point Number	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**	
	the operation's monitoring plan.	
011	Sample point 011 is for visual monitoring and inspection of Cattle Lot 4 and the associated runoff collection system. Proper operation and maintenance are required to ensure systems are functioning properly and contaminated runoff is being collected. Weekly inspections are required and shall be recorded according to the operation's monitoring plan.	
012	Sample point 012 is for visual monitoring and inspection of Cattle Lot 5 and the associated runoff collection system. Proper operation and maintenance are required to ensure systems are functioning properly and contaminated runoff is being collected. Weekly inspections are required and shall be recorded according to the operation's monitoring plan.	
013	Sample point 013 is for visual monitoring and inspection of Lot 6 and the associated runoff collection system. Proper operation and maintenance are required to ensure systems are functioning properly and contaminated runoff is being collected. Weekly inspections are required and shall be recorded according to the operation's monitoring plan.	
018	Sample point 018 is for visual monitoring and inspection of all production site storm water conveyance systems. This includes roof gutter systems, drainage tile systems, grassed waterways and other diversion systems that transport uncontaminated storm water. Proper operation and maintenance are required to keep uncontaminated runoff diverted away from manure and process wastewater handling systems. Best management practices and good housekeeping should be used to limit unconfined manure and animal feed within the production area. Weekly inspections are required and shall be recorded according to monitoring program.	

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.

At their current size, Traun farms would have approximately 213 days of storage for liquid manure. This number is based on current waste storage structures and estimated waste production values of 13 million gallons and 3,270 tons of solids produced annually. Permittees must maintain 180 days of storage, unless temporary reductions in required storage are approved by the Department.

Ancillary Service and Storage Areas

The permittee shall take preventative maintenance actions and conduct visual inspections to minimize pollutant discharges from areas of the operation that are not part of the production area or land application areas. These areas are called ancillary service and storage areas and include access roads, shipping and receiving areas, maintenance areas, refuse piles and CAFO outdoor vegetated areas.

Nutrient Management

The permit requires all landspreading of manure and process wastewater be completed in accordance with an approved nutrient management plan. The permit will require sampling and analysis of manure and process wastewater that will be landspread. Landspreading rates must be adjusted based on sample analysis. The permit requires the permittee to maintain a daily log that documents landspreading activities. The permit also requires the submittal of an annual report that summarizes all landspreading activities. Plans must be updated annually to reflect cropping plans and other operational changes. Among the requirements, the plans must include detailed landspreading information including field by field nutrient budgets.

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

The permittees 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.

Sample Point Number: 001- Cow Pit; 002- Heifer Pit; 003- North Pit

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

1.1.1 Changes from Previous Permit

No changes

1.1.2 Explanation of Operation and Management Requirements

Sample frequencies meet CAFO standard requirements.

Sample Point Number: 005- Manure Pit Solids; 006- Miscellaneous Solid

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	

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

1.1.3 Changes from Previous Permit

No changes

1.1.4 Explanation of Operation and Management Requirements

Sample frequencies meet CAFO standard requirements.

Sample Point Number: 008- Feed Storage Area (2020); 010- Cattle Lot 2 & 3; 011- Cattle Lot 4; 012- Cattle Lot 5; 013- Cattle Lot 6, and 018- Stormwater Runoff Controls

1.1.5 Changes from Previous Permit

Several outdoor cattle lots have been abandoned and no longer in use.

1.1.6 Explanation of Operation and Management Requirements

Monitoring and inspection requirements are standard for WPDES CAFO permits.

2 Schedules

2.1 Emergency Response Plan

Required Action	Due Date
Develop Emergency Response Plan: Develop a written Emergency Response Plan within 30 days of permit coverage, available to the Department upon request.	12/30/2024

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 30 days of the effective date of this permit.	12/30/2024

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 from 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 from 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 from 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 from 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 from 3400-025E.	01/31/2029
Ongoing Annual Reports: Continue to submit Annual Reports until permit reissuance has been completed.	

2.4 Nutrient Management Plan

Required Action	Due Date
Management Plan Annual Update #1: Submit an Annual Update to the Nutrient Management Plan by March 31st of each year. Note: In addition to Annual Updates, submit Management Plan Amendments to the Department for written approval prior to implementation of any changes to nutrient management practices, in accordance with the Nutrient Management requirements in the Livestock Operational and Sampling Requirements section.	03/31/2025
Management Plan Annual Update #2: Submit an Annual Update to the Nutrient Management Plan.	03/31/2026
Management Plan Annual Update #3: Submit an Annual Update to the Nutrient Management Plan.	03/31/2027
Management Plan Annual Update #4: Submit an Annual Update to the Nutrient Management Plan.	03/31/2028
Management Plan Annual Update #5: Submit an Annual Update to the Nutrient Management Plan.	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.	06/03/2029

2.6 Explanation of Schedules

Permit schedule items represent outcomes of engineering evaluations and standard CAFO permit requirements.

Expiration Date:

November 30, 2029

Prepared By: Jeffrey Jackson Agricultural Runoff Specialist **Date:** October 16, 2024