

# Permit Fact Sheet

## General Information

Permit Number:	WI-0062413-02-0
Permittee Name:	Lynn Enterprises
Address:	2167770 Bridgewater Ave
City/State/Zip:	Unity WI 54488
Discharge Location:	NE <sup>1</sup> / <sub>4</sub> , SE <sup>1</sup> / <sub>4</sub> , Sec 9 (Home Farm); SE <sup>1</sup> / <sub>4</sub> , NE <sup>1</sup> / <sub>4</sub> , Sec. 16 (Hoffman); SW <sup>1</sup> / <sub>4</sub> , SE <sup>1</sup> / <sub>4</sub> , Sec. 16 (Melanders); SW <sup>1</sup> / <sub>4</sub> , SE <sup>1</sup> / <sub>4</sub> , Sec. 17 (Pulling Shop); NW <sup>1</sup> / <sub>4</sub> , NE <sup>1</sup> / <sub>4</sub> , Sec. 17 (Hollow); SE <sup>1</sup> / <sub>4</sub> , SE <sup>1</sup> / <sub>4</sub> , Sec. 8 (Willies); SW <sup>1</sup> / <sub>4</sub> , SE <sup>1</sup> / <sub>4</sub> , Sec. 8 (Sheldon); SW <sup>1</sup> / <sub>4</sub> , NE <sup>1</sup> / <sub>4</sub> , Sec. 8 (Heifer Barn); NW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> Sec. 4 (Greg Lynn Farm); NW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> Sec. 5 (Highway West); T27N, R2E, Town of Brighton, Marathon County
Receiving Water:	Upper Big Eau Pleine and Little Eau Pleine River Watersheds and Groundwaters of the State
Discharge Type:	Existing

<b>Animal Units</b>					
<b>Animal Type</b>	<b>Current AU</b>		<b>Proposed AU</b> (Note: If all zeroes, expansions are not expected during permit term)		
	<b>Mixed</b>	<b>Individual</b>	<b>Mixed</b>	<b>Individual</b>	<b>Date of Proposed Expansion</b>
Dairy Calves (under 400 lbs.)	20	0	0	0	
Milking and Dry Cows	5040	5148	0	0	
Heifers (400 lbs. to 800 lbs.)	180	300	0	0	
Heifers (800 lbs. to 1200 lbs.)	577.5	525	0	0	
<b>Total</b>	<b>5817.5</b>	<b>5148</b>	<b>0</b>	<b>0</b>	

## Facility Description

Lynn Enterprises is an existing CAFO located in Marathon County, Wisconsin. Lynn Enterprises has a current herd size of 5817.5 animal units (3,600 milking and dry cows, 825 heifers and 100 calves). No expansions are planned for the next permit term. Lynn Enterprises currently has 6,098.43 acres (3,202.79 owned and 2,895.64 controlled through contracts, rental agreements or leases, or under manure agreements) of which 5,906 are spreadable acres. Lynn Enterprises is operating under an approved nutrient management plan.

## Substantial Compliance Determination

After a desk top review of all discharge monitoring reports, land app reports, compliance schedule items, and a site visit on 1/15/2020, this facility has been found to be in substantial compliance with their current permit.

Compliance determination entered by Mark Kaczorowski on 1/19/2024.

Sample Point Designation For Animal Waste	
Sample Point Number	Sample Point Location, WasteType/sample Contents and Treatment Description (as applicable)
001	WSF 001 - Sample point 001 is for the "Home Farm North Lagoon" liquid waste storage facility 001 (WSF 1) located at the Home Farm. WSF 1 is a concrete storage constructed in 2013, with a capacity of 1,000,000 gallons.
002	WSF 002 - Sample point 002 is for the "Home Farm Barn Pit" liquid waste storage facility 002 (WSF 2) located at the Home Farm. WSF 2 is a concrete storage constructed in 1971, modified in 2011, and has a capacity of 650,000 gallons.
003	WSF 003 - Sample point 003 is for the "Home Farm Middle Pit Bird Bath" liquid waste storage facility 003 (WSF 3) located at the Home Farm. WSF 3 is a concrete storage constructed in 2014, with a capacity of 500,000 gallons.
004	WSF 004 - Sample point 004 is for the "Home Farm Big Pit" liquid waste storage facility 004 (WSF 4) located at the Home Farm. WSF 4 is a concrete storage constructed in 2012, with a capacity of 15,000,000 gallons. WSF 4 is proposed to be modified to increase storage capacity during the permit term.
005	WSF 005 - Sample point 005 is for "Hoffman Pit" liquid waste storage facility 005 (WSF 5) located at the Hoffman Farm. WSF 5 is a clay-lined storage constructed in 1979, with a capacity of 550,000 gallons.
006	WSF 006 - Sample point 006 is for "Willie's Pit" liquid waste storage facility 006 (WSF 6) located at Willie's Farm. WSF 6 is a clay-lined storage constructed in 1978, with a capacity of 450,000 gallons.
007	WSF 007 - Sample point 007 is for "Pulling Shop Pit" liquid waste storage facility 007 (WSF 7) located at the Pulling Shop. WSF 7 is a clay-lined storage constructed in 1980, with a capacity of 650,000 gallons.
008	WSF 008 - Sample point 008 is for "Big Heifer Barn Pit" liquid waste storage facility 008 (WSF 8) located at the Heifer Barn. WSF 8 is a clay-lined storage constructed in 1979, with a capacity of 350,000 gallons.
009	WSF 009 - Sample point 009 is for "Highway West Pit" liquid waste storage facility 009 (WSF 9) located at the Highway West Farm. WSF 9 is a concrete storage modified in 2014, with a capacity of 600,000 gallons.
010	WSF 010 - Sample point 010 is for "Greg's Pit" liquid waste storage facility 010 (WSF 10) located at the Greg's Lynn Farm. WSF 10 is a clay-lined storage constructed in 1982, with a capacity of 340,000 gallons.
011	WSF 011 - Sample point 011 is for the "Hollow Pit" liquid waste storage facility 011 (WSF 11) located at the Hollow Farm. It has a storage capacity of 2,000,000 gallons.
012	Solids 012 - Sample point 012 is for and manure solids removed from bottom of liquid waste storage

<b>Sample Point Designation For Animal Waste</b>	
<b>Sample Point Number</b>	<b>Sample Point Location, WasteType/sample Contents and Treatment Description (as applicable)</b>
	facilities. This includes manure-laden sand solids, manure fiber solids, etc. Representative samples shall be taken from each waste storage facility.
013	Solids 013 - Sample point 013 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 to waters of the state do not occur.
014	Solids 014 - Sample point 014 is for solid manure sources that are directly land applied and not stored in a waste storage facility. This includes solid sources such as waste feed, calf hutch manure, maternity pen bedpack, heifer bedpack, steer manure, etc. Representative samples shall be taken for each manure source type.
015	Sample point 015 is for visual monitoring and inspection of the feed storage areas and associated runoff control systems. Proper operation and maintenance is required to ensure discharges of process wastewater to waters of the state do not occur. Weekly inspections are required and shall be recorded according to monitoring program.
016	Sample point 016 is for visual monitoring and inspection of all concrete feedlots and associated runoff control systems. Proper operation and maintenance is required to ensure discharges to waters of the state do not occur. Weekly inspections are required and shall be recorded according to monitoring program.
017	Sample point 017 is for visual monitoring and inspection of all outdoor vegetated areas. Proper operation and maintenance is required to ensure vegetative cover is sustained across lot areas. Quarterly inspections are required and shall be recorded according to monitoring program. Pasture management plans shall be submitted according to Schedules section of permit. Outdoor lot areas not managed to sustain vegetation are not permitted and shall be properly abandoned.
018	Sample point 018 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.
019	Digester 001- Sample Point 019 is for all digested liquids located within the digester currently under construction. Sampling from within the digester for nutrient content is only required if the liquids are to be manually pumped from the digester and land applied.
020	Digester Solids 001- Sample point 020 is for all digested solids located in the digester solids stacking facility (proposed to be constructed). Sampling of digester solids for nutrient content is only required if the solids are to be directly land applied.

# 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 174 days of storage for liquid manure. The permittee will be required to design and construct 180 days of liquid manure storage by 11/30/2024. Once the permittee has 180 days of liquid manure storage, it 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 with 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 5,817.5 animal units, it is estimated that approximately 47,404,101 gallons and 17,500 tons of manure and process wastewater will be produced per year. The permittee owns *approximately* 3,202.79 acres of cropland and rents about 2,895.64. Given the rotation commonly used by the permittee, 5,906 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.

**Sample Point Number: 001- WSF 001 Home North Lagoon; 002- WSF 002 Home Barn Pit; 003- WSF 003 Home Middle Pit; 004- WSF 004 Home Big Pit; 005- WSF 005 Hoffman Pit; 006- WSF 006 Willie's Pit; 007- WSF 007 Pulling Shop Pit; 008- WSF 008 Big Heifer Barn Pit; 009- WSF 009 Highway West Pit; 010- WSF 010 Greg's Pit; 011- WSF 011 Hollow Pit; 019- Digester Liquids**

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

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
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	

**Sample Point Number: 012- Solids Removed from Liquid WSF; 013- Headland Stacking Solid Manure; 014- General Solid Manure, and 020- Digester Solids**

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

**Sample Point Number: 015- Feed Leachate; 016- Feedlot Runoff; 017- Outdoor Vegetated Areas, and 018- Storm Water Runoff Controls**

## 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.	04/30/2024

### 2.2 Monitoring & Inspection Program

Required Action	Due Date
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Proposed Monitoring and Inspection Program: Consistent with the Monitoring and Sampling Requirements subsection, the permittee shall submit a proposed monitoring and inspection program within 90 days of the effective date of this permit.	06/30/2024
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### 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:	01/31/2025
Submit Annual Report #2:	01/31/2026
Submit Annual Report #3:	01/31/2027
Submit Annual Report #4:	01/31/2028
Submit Annual Report #5:	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 Manure Storage Facility - Installation of 180 Day Liquid Manure Storage

Required Action	Due Date
Submit Plans and Specifications: Submit Plans and specifications for a 180-day liquid manure storage facility for Department review and approval in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code. See Standard Requirements for plan content information. Plans are proposed to modify WSF 4 to increase storage capacity.	05/31/2024

Complete Installation: Complete construction/modification of the manure storage facility in order to obtain 180 day manure storage capacity. The facility shall be functional and in operation by the specified Date Due. Post construction documentation shall be submitted within 60 days of completion of the project.	11/30/2024
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## 2.6 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	08/31/2028

### Attachments:

Plan Approval Letter(s)

Public Notice

### Expiration Date:

3/31/2029

Prepared By: Mark Kaczorowski

Agricultural Runoff Management Specialist

Date: 1/19/2024