Permit Fact Sheet

General Information

Permit Number	WI-0067377-01-0
Permittee Name and Address	BS Acres 1020 State Road 65, Dresser, WI 54009-4617
Permitted Facility Name and Address	BS Acres 1020 State Road 65 Dresser
Permit Term	May 01, 2025 to April 30, 2030
Discharge Location	Garfield Township, Polk County
Receiving Water	Unnamed Tributary to Peabody Creek
Discharge Type	New

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.)	20	0	40	0	12/01/2025
Milking and Dry Cows	840	858	1680	1716	12/01/2025
Heifers (400 lbs. to 800 lbs.)	90	150	93	155	12/01/2025
Total	950	858	1813	1716	

Facility Description

BS Acres is a dairy farm located in Garfield Township in Polk County proposing to become a Concentrated Animal Feeding Operation (CAFO). The farm is owned and operated by Bruce Siltberg and family, currently operating with approximately 600 milking/dry cows, 150 heifers, and 100 calves (~ 950 animal units). The operation is proposing to expand their herd size during their first CAFO permit term. Phase one involves expanding to approximately 1,200 milking/dry cows, 155 heifers, and 200 calves (1,813 animal units). A possible second phase would involve expanding to approximately 1,950 milking/dry cows, 185 heifers, and 255 calves (2,892 animal units).

The farm currently has one waste storage facility used to store manure and process wastewater generated at the site. A second waste storage facility is proposed to be constructed in 2025 to support the phase one expansion. These structures would provide the farm with approximately 223 days of liquid waste storage, based on the phase one expansion. CAFOs are required to have a minimum of 180-days of waste storage.

Should the phase two expansion occur, engineering plans for additional manure storage would need to be submitted for department review. The permit would also need to be modified to account for a phase two expansion, thereby requiring a public notice and 30-day public comment period.

Substantial Compliance Determination

Enforcement During Last Permit:

The department has not taken enforcement action against BS Acres. BS Acres has complied with WPDES CAFO permit application requirements. This is the first issuance of a WPDES CAFO permit to BS Acres.

Compliance determination made by Jeff Jackson – DNR Agricultural Runoff Specialist on March 6, 2025**.**

Sample Point Designation for Animal Waste		
Sample Point Number	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**	
001	Pit-1: Sample point 001 is for liquid waste stored in waste storage facility 1 (known as Pit-1). Pit-1 is a concrete-lined storage structure, located east of the original cow barns. The structure has a maximum operating level capacity of approximately 4.6 million gallons and was constructed in 2015. Representative samples shall be taken in accordance to permit requirements.	
002	Pit-2: Sample point 002 is for liquid waste stored in waste storage facility 2 (known as Pit-2). Pit-2 is a proposed concrete-lined storage structure, to be located east of Pit-1. The structure has a designed maximum operating level capacity of approximately 7.4 million gallons, with a planned construction year of 2025. Once constructed, representative samples shall be taken in accordance to permit requirements.	
003	Pit Solids: Sample point 003 is for settled solids and manure laden sand removed from any waste storage facility included in this permit. Representative samples shall be taken in accordance to permit requirements.	
004	Reception Pit: Sample point 004 is for liquid manure pumped out and directly land applied from the Reception Pit. The Reception Pit is a precast concrete structure located near the original cow barns. The structure has a designed maximum operating level capacity of approximately 180,000 gallons and was constructed in 2015. Representative samples shall be taken in accordance to permit requirements.	
005	Miscellaneous Solids: Sample point 005 is for solid waste sources that are directly land applied and not stored in a waste storage facility. This includes solid sources such as maternity pen pack, calf bedding, frozen liquid manure, waste feed, etc. Representative samples shall be taken for each solid waste source type.	
007	Feed Pad & Runoff Containment Systems: Sample point 007 is for visual monitoring & inspection of the feed pad and associated runoff containment systems. Proper operation and maintenance are required to prevent unlawful discharges to waters of the state. Weekly inspections are required and shall be recorded in accordance with the operation's monitoring program.	
008	Storm Water Systems: Sample point 007 is for weekly visual monitoring and inspection of all production site storm water conveyance systems. This includes drain tile systems, grassed stormwater channels, and other diversion systems that transport uncontaminated storm water off site. Proper operation and maintenance are required to keep uncontaminated runoff diverted away from manure and other raw materials.	

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 is estimated to have approximately 223 days of storage for liquid manure and process wastewater after the proposed 2025 farm expansion. 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 1,200 cows, 155 heifers, and 200 calves, it is estimated that approximately 19.3 million gallons of liquid manure and process wastewater and 1,000 tons of solid manure will be produced per year. The permittee owns *approximately* 375.1 acres of cropland and rents or controls through land contracts an additional 3,046.9 acres. 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 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 (≥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- Pit-1; 002- Pit-2; 004- Reception Pit

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	

1.1.1 Changes from Previous Permit

Sample points were added for liquid manure storage sources.

1.1.2 Explanation of Operation and Management Requirements

Sampling frequencies and testing parameters are consistent with WPDES CAFO permit requirements.

1.2 Sample Point Number: 003- Pit Solids; 005- Miscellaneous Solids

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

1.2.1 Changes from Previous Permit

Sample points were added for solid manure sources generated at the farm.

1.2.2 Explanation of Operation and Management Requirements

Sampling frequencies and testing parameters are consistent with WPDES CAFO permit requirements.

1.3 Sample Point Number: 007- Feed Pad & Runoff Controls and 008- Stormwater Systems

1.3.1 Changes from Previous Permit

Sample points were added to reflect runoff control features at the farm.

1.3.2 Explanation of Operation and Management Requirements

Sample points 007 & 008 were added for runoff control features and will be included in the Monitoring & Inspection Program.

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.	05/30/2025

2.2 Explanation of Schedules

This is a standard WPDES CAFO permit requirement.

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 30 days of the effective date of this permit.	05/30/2025

2.4 Explanation of Schedules

This is a standard WPDES CAFO permit requirement.

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.	01/31/2026
Submit Annual Report #2: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2027
Submit Annual Report #3: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2028

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

2.6 Explanation of Schedules

This is a standard WPDES CAFO permit requirement.

2.7 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.	03/31/2026
Management Plan Annual Update #2: Submit an Annual Update to the Nutrient Management Plan.	03/31/2027
Management Plan Annual Update #3: Submit an Annual Update to the Nutrient Management Plan.	03/31/2028
Management Plan Annual Update #4: Submit an Annual Update to the Nutrient Management Plan.	03/31/2029
Management Plan Annual Update #5: Submit an Annual Update to the Nutrient Management Plan.	03/31/2030
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

This is a standard WPDES CAFO permit requirement.

2.9 Manure Storage Facility - Engineering Evaluation

This schedule item is associated with Pit-1 and associated manure transfer systems from the original cow barns, including the Reception Pit.

Required Action	Due Date
Written Report: Submit a written report evaluating the existing manure storage facility's ability to meet the conditions in the Production Area Discharge Limitations and Manure and Process	06/01/2026

Wastewater Storage subsections and s. NR 243.15, Wis. Adm. Code. (See Standard Requirements for report details.)	
Plans and Specifications: Submit plans and specifications for Department review and approval in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code, to permanently correct any adverse manure storage conditions.	01/31/2027
Corrections and Post Construction Documentation: Complete construction on the manure storage facility that permanently corrects any adverse conditions in concurrence with and approval by the Department, by the specified Date Due. Submit post construction documentation within 60 days of completion of the project.	12/31/2027

2.10 Explanation of Schedules

This item was included to ensure existing reviewable structures meet permit requirements.

2.11 Runoff Control System - Engineering Evaluation

This schedule item is associated with the existing concrete feed pad. An engineering evaluation report would need to demonstrate the system's ability to meet permit discharge limitations.

Required Action	Due Date
Written Description of Existing System: Submit a written description of the existing runoff control system and its adequacy to permanently meet the conditions in the Production Area Discharge Limitations and Runoff Control subsections and s. NR 243.15, Wis. Adm. Code. (See Standard Requirements for report details.)	06/01/2026
Plans and Specifications: Submit plans and specifications for Department review and approval to permanently correct any adverse runoff control conditions in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code.	01/31/2027
Corrections and Post Construction Documentation: Complete construction of runoff controls that permanently correct any adverse runoff control conditions in concurrence with and approval by the Department, by the specified Date Due. Submit post construction documentation within 60 days of completion of the project.	12/31/2027

2.12 Explanation of Schedules

This item was included to ensure existing reviewable structures meet permit requirements.

2.13 Runoff Control System - Installation

This schedule item is associated with the feed pad runoff control system engineering plans the department approved under submittal R-2021-0134. This submittal addresses the needed upgrades of feed pad runoff collection and waste transfer to long-term storage.

Required Action	Due Date

Complete Installation: Complete construction of runoff control system. System 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.	05/31/2026

2.14 Explanation of Schedules

This item represents upgrades to the feed pad runoff system.

2.15 Outdoor Heifer Lot - Abandonment

Abandonment of the outdoor heifer lot and associated drive-by feeding lane.

Required Action	Due Date
Abandonment Plan: Submit an abandonment plan to the Department for approval outlining the proposed method of abandonment.	05/30/2025
Complete Abandonment: Complete abandonment as approved by the Department in the submitted Abandonment Plan.	12/31/2025

2.16 Explanation of Schedules

This item requires the farm to abandon the use of an outdoor heifer lot and drive-by feeding lane. The lot will be abandoned in lieu of upgrading runoff controls systems.

2.17 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	11/01/2029

2.18 Explanation of Schedules

This item represents a standard WPDES CAFO permit requirement to have a permit reissuance application submitted a minimum of 180 days prior to the existing permit expiring.

Other Comments

N/A

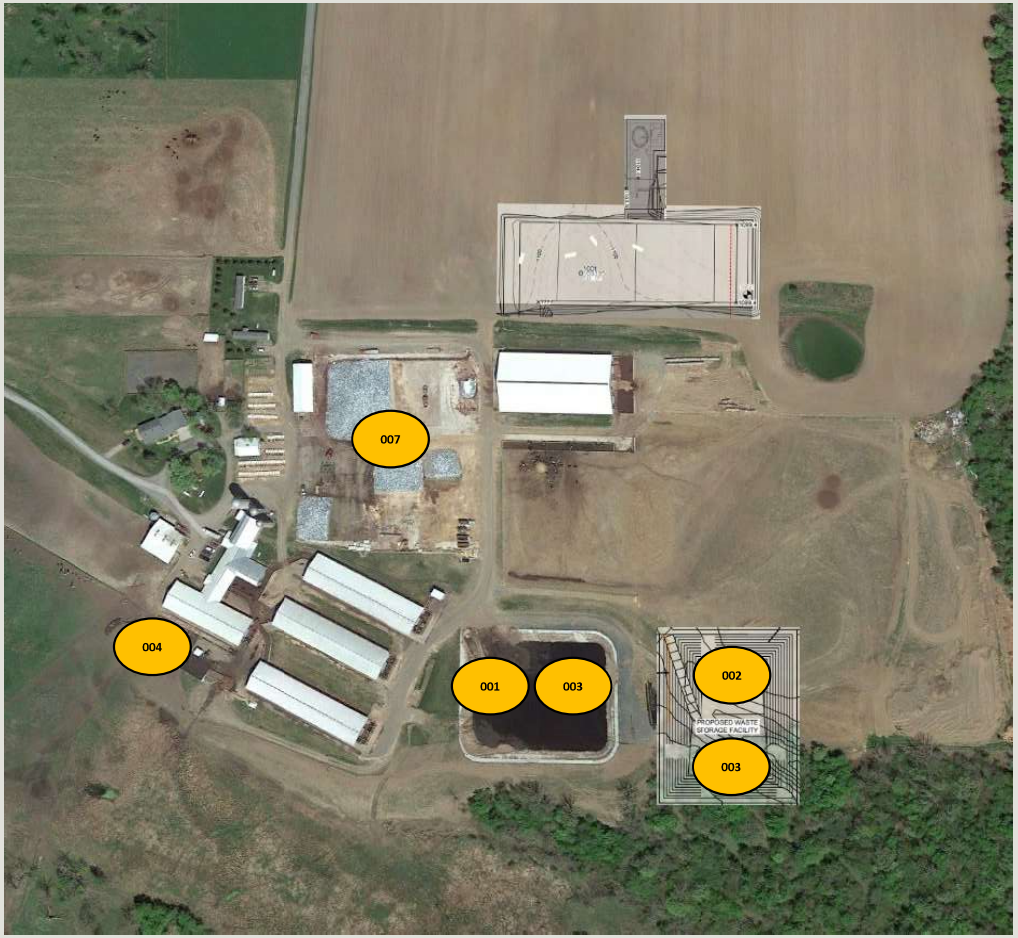
Attachments

Justification Of Any Waivers from Permit Application Requirements

No waivers requested or granted as part of this permit reissuance

Prepared By: Jeff Jackson **Agricultural Runoff Specialist** **Date:** March 6, 2025

BS Acres Sample Point Site Map



Sample Points – Waste Materials

- 001 Pit-1
- 002 Pit-2
- 003 Pit Solids
- 004 Reception Pit
- 005 Miscellaneous Solids

Sample Points – Runoff Controls

- 007 Feed Pad & Runoff Control System
- 008 Stormwater Structures Around the site