

Permit Fact Sheet

General Information

Permit Number	WI-0061786-05-0
Permittee Name	Rockland Dairy LLC
Facility Address	W4705 County Rd D, Random Lake, 53075; Sheboygan County, WI
Permit Term	April 01, 2025 to March 31, 2030
Discharge Location	Unnamed tributaries within the Middle Onion River Watershed and groundwaters of the State

Animal Units					
Animal Type	Current AU		Proposed AU (Note: If all zeroes, expansions are not expected during permit term)		
	Mixed	Individual	Mixed	Individual	Date of Proposed Expansion
Dairy Calves (under 400 lbs.)	106	0	0	0	N/A
Milking and Dry Cows	3290	3361	0	0	N/A
Heifers (800 lbs. to 1200 lbs.)	99	90	0	0	N/A
Total	3495	3361	0	0	N/A

Facility Description

Rockland Dairy LLC (Rockland Dairy) is an existing Concentrated Animal Feed Operations (CAFO) for dairy cattle located in the Town of Sherman in Sheboygan County, Wisconsin. Rockland Dairy consists of one production site located at W4705 Highway D, Random Lake, WI 53075 and is owned and operated by Jason and Marty Vorpahl, Jeff Optiz, and Steve Depies. The site consists of four free stall barns, one special needs barn, one calf barn with outdoor calf hutch area, four waste storage facilities, and two feed storage areas. A waste transfer system collects and discharges animal waste and process wastewater from the freestall barns to the waste storage facilities.

The current herd size is 3,495 animal units (2350 milking & dry cows, 90 heifers, and 530 calves). Approximately 32,578,000 gallons of liquid manure and process wastewater is produced annually at the current herd size. Rockland Dairy has approximately 252 days of liquid storage capacity. Rockland Dairy owns or rents 4,405 acres of cropland, of which approximately 4,372 acres are available for manure or process wastewater application.

Substantial Compliance Determination

Enforcement During Last Permit: A notice of noncompliance (NON) was sent on November 4, 2020, for failure to adhere to permit schedule items requiring engineering evaluations for Waste Storage Facility 1, and the calf hutch lot and runoff controls. Engineering evaluations for those facilities were submitted to the Department in December 2020, demonstrating a return to compliance.

After a desk top review of all discharge monitoring reports, land app reports, compliance schedule items, and a site visit on June 4, 2024, this facility has been found to be in substantial compliance with their current permit.

Compliance determination made by Kate Markiewicz, permit drafter, on January 31, 2025.

Sample Point Designation For Animal Waste	
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)
001	WSF 1: Sample point 001 is for liquid waste storage facility 1 (WSF 1) located at the Main Site. WSF 1 is a concrete lined storage facility and is the western most WSF on the south side of County Hwy D. The facility has a capacity of 1,536,033 gallons and was constructed in 1998. This storage accepts manure and process wastewater from freestall barns and parlor wash water. WSF 1 was last evaluated in 2020.
011	WSF 2: Sample point 011 is for liquid waste storage facility 2 (WSF 2) located at the Main Site. WSF 2 is a concrete lined storage facility located between WSF 1 and WSF 3. This storage accepts manure and process wastewater from WSF 1. The facility has a capacity of 1,816,466 gallons and was constructed in 2010 with department approval. Post construction documentation was received by the department in 2011.
012	WSF 3: Sample point 012 is for liquid waste storage facility 3 (WSF 3) located at the Main Site. WSF 3 is a concrete lined storage facility and is the eastern most WSF on the south side of County Hwy D. This storage accepts manure and process wastewater from freestall barns and WSF 2. The facility has a capacity of 2,380,450 gallons and was constructed in 2010 with department approval. Post construction document was received by the department in 2011.
013	Feed Area & Runoff Controls 1: Sample point 013 is for visual monitoring and inspection of the feed storage area and associated runoff control system 1. Feed storage area 1 is the western most feed storage area on the north side County Hwy D. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program.
014	Solid Manure: 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 calf hutch manure, maternity pen bedpack, heifer bedpack, steer manure, etc. Representative samples shall be taken for each manure source type.
017	Headland Stacking Sites: Sample point 017 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 of runoff controls is required during use of stacking sites to ensure discharges meet permit requirements.
018	WSF 4: Sample point 018 is for liquid waste storage facility 4 (WSF 4) located at the Main Site. WSF 4 is a concrete lined storage facility located on the north side of County Hwy D. This storage accepts manure and process wastewater from WSF 3. The facility has a capacity of 18,246,054 gallons and was constructed in 2015 with department approval.
019	Settled Solid Manure: Sample point 019 is for any manure solids removed from the 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.
020	Feed Area & Runoff Controls 2: Sample point 020 is for visual monitoring and inspection of the feed storage area and associated runoff control system 2. Feed storage area 2 is the eastern most feed storage area on the north side County Hwy D. Feed storage area 2 was designed for sweet corn silage. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly

Sample Point Designation For Animal Waste	
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)
	inspections are required and shall be recorded according to monitoring program.
021	Outdoor Lot & Runoff Controls: Sample point 021 is for visual monitoring and inspection of the calf hutch area and associated runoff control system located at the Main Site. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program. An engineering evaluation of the calf hutch area runoff control systems was completed in 2021.
022	Storm Water Runoff Controls: Sample point 022 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.

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 8.3 months of storage for liquid manure. The permittee 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

With 3,495 animal units (2350 milking & dry cows, 90 heifers, and 530 calves), it is estimated that approximately 32,578,000 gallons of manure and process wastewater will be produced per year. The permittee owns *approximately* 1,037 acres of cropland and rents about 3,368. Given the rotation commonly used by the permittee, 4,372 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. Beginning March 1, 2025, non-emergency surface applications of liquid manure (<12%) on frozen or snow-covered ground are prohibited.

Monitoring and Sampling Requirements

The permittee must submit a monitoring and inspection program that outlines how the permittee will conduct self-inspections to determine compliance with permit conditions. These self-inspections include visual inspections of water lines, diversion devices, storage and containment structures and other parts of the production area. The permit requires periodic inspections and calibrations of landspreading equipment. The permittee must take corrective actions to problems identified inspections or otherwise notify the Department. Samples of manure, process wastewater and soils receiving land applied materials from the operation must also be collected and analyzed.

Sampling Points

The permit identifies the different sources of land applied materials (e.g., manure storage facilities, milking centers, egg-washing facilities) as "Sampling Points." For these Sampling Points, the permittee is required to sample and analyze the different sources for nutrients and other parameters which serve as the basis for determining rates of application for these materials. Other areas are also identified as Sampling Points as a means of identifying them as areas requiring action by

the permittee, such as an upgrade or evaluation of a certain system or structure (e.g., runoff control systems), even though sampling is not actually required.

1.1 Sample Point Number: 001- WSF 1; 011- WSF 2; 012- WSF 3; 018- WSF 4

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 points 003 (WSF 5) and 004 (WSF 6) were removed due to the abandonment of these facilities.

1.1.2 Explanation of Operation and Management Requirements

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

1.2 Sample Point Number: 013- Feed Area & Runoff Controls 1; 020- Feed Area & Runoff Controls 2; 021- Outdoor Lot & Runoff Controls, and 022- Storm Water Runoff Controls

1.2.1 Changes from Previous Permit

N/A

1.2.2 Explanation of Operation and Management Requirements

The is no required sampling for the runoff controls. Rather, there is required inspection and routine maintenance that should be recorded on a monitoring and inspection form or calendar. A copy of the inspection records shall be submitted with the Annual Report.

1.3 Sample Point Number: 014- Solid Manure; 017- Headland Stacking Sites, and 019- Settled Solid Manure

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

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	

1.3.1 Changes from Previous Permit

N/A

1.3.2 Explanation of Operation and Management Requirements

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

2 Schedules

2.1 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.	05/01/2025

2.2 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.	05/01/2025

2.3 Nutrient Management Plan

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).	
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.	
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2.4 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:	01/31/2026
Submit Annual Report #2:	01/31/2027
Submit Annual Report #3:	01/31/2028
Submit Annual Report #4:	01/31/2029
Submit Annual Report #5:	01/31/2030
Ongoing Annual Reports: Continue to submit Annual Reports 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.	10/02/2029

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.

Other Comments

N/A

Attachments

- Inspection Report with Map(s)
- Nutrient Management Plan Approval Letter
- Days of Storage Review
- Public Notice

Justification Of Any Waivers From Permit Application Requirements

N/A

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Substantial Compliance Determination

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After a desk top review of all discharge monitoring reports, land app reports, compliance schedule items, and a site visit on June 4, 2024, this facility has been found to be in substantial compliance with their current permit.

Compliance determination made by Kate Markiewicz, permit drafter, on January 28, 2025.

Sample Point Designation For Animal Waste	
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018	WSF 4: Sample point 018 is for liquid waste storage facility 4 (WSF 4) located at the Main Site. WSF 4 is a concrete lined storage facility located on the north side of County Hwy D. This storage accepts manure and process wastewater from WSF 3. The facility has a capacity of 18,246,054 gallons and was constructed in 2015 with department approval.
019	Settled Solid Manure: Sample point 019 is for any manure solids removed from the 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.
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Sample Point Designation For Animal Waste	
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)
	operation and maintenance is required to ensure to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program.
021	Outdoor Lot & Runoff Controls: Sample point 021 is for visual monitoring and inspection of the calf hutch area and associated runoff control system located at the Main Site. Proper operation and maintenance is required to ensure discharges meet permit requirements. Weekly inspections are required and shall be recorded according to monitoring program. An engineering evaluation of the calf hutch area runoff control systems was completed in 2021.
022	Storm Water Runoff Controls: Sample point 022 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.

1 Livestock Operations - Proposed Operation and Management

Production Area Discharge Limitations

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Runoff Control

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Nutrient Management

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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. Beginning March 1, 2025, non-emergency surface applications of liquid manure (<12%) on frozen or snow-covered ground are prohibited.

Monitoring and Sampling Requirements

The permittee must submit a monitoring and inspection program that outlines how the permittee will conduct self-inspections to determine compliance with permit conditions. These self-inspections include visual inspections of water lines, diversion devices, storage and containment structures and other parts of the production area. The permit requires periodic inspections and calibrations of landspreading equipment. The permittee must take corrective actions to problems identified inspections or otherwise notify the Department. Samples of manure, process wastewater and soils receiving land applied materials from the operation must also be collected and analyzed.

Sampling Points

The permit identifies the different sources of land applied materials (e.g., manure storage facilities, milking centers, egg-washing facilities) as "Sampling Points." For these Sampling Points, the permittee is required to sample and analyze the

different sources for nutrients and other parameters which serve as the basis for determining rates of application for these materials. Other areas are also identified as Sampling Points as a means of identifying them as areas requiring action by the permittee, such as an upgrade or evaluation of a certain system or structure (e.g., runoff control systems), even though sampling is not actually required.

1.1 Sample Point Number: 001- WSF 1; 011- WSF 2; 012- WSF 3; 018- WSF 4

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 points 003 (WSF 5) and 004 (WSF 6) were removed due to the abandonment of these facilities.

1.1.2 Explanation of Operation and Management Requirements

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

1.2 Sample Point Number: 013- Feed Area & Runoff Controls 1; 020- Feed Area & Runoff Controls 2; 021- Outdoor Lot & Runoff Controls, and 022- Storm Water Runoff Controls

1.2.1 Changes from Previous Permit

N/A

1.2.2 Explanation of Operation and Management Requirements

The is no required sampling for the runoff controls. Rather, there is required inspection and routine maintenance that should be recorded on a monitoring and inspection form or calendar. A copy of the inspection records shall be submitted with the Annual Report.

1.3 Sample Point Number: 014- Solid Manure; 017- Headland Stacking Sites, and 019- Settled Solid Manure

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
Nitrogen, Total		lbs/ton	Quarterly	Grab	

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

1.3.1 Changes from Previous Permit

N/A

1.3.2 Explanation of Operation and Management Requirements

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

2 Schedules

2.1 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.	03/31/2025

2.2 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.	03/31/2025

2.3 Nutrient Management Plan

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).	03/31/2025
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.	

2.4 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:	01/31/2026
Submit Annual Report #2:	01/31/2027
Submit Annual Report #3:	01/31/2028
Submit Annual Report #4:	01/31/2029
Submit Annual Report #5:	01/31/2030
Ongoing Annual Reports: Continue to submit Annual Reports 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.	09/01/2029

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.

Other Comments

N/A

Attachments

Inspection Report with Map(s)

Nutrient Management Plan Approval Letter

Days of Storage Review

Public Notice

Justification Of Any Waivers From Permit Application Requirements

N/A

Prepared By: Kate Markiewicz

Agricultural Runoff Management Specialist

Date: 1/28/2025

CAFO Compliance Report (June 19, 2024)



Inspection Date: June 4, 2024

Inspection Type: Permit Reissuance

Operation Name: Rockland Dairy, LLC

WPDES Permit No. WI-0061786-04-0

Operation Address: W4705 County Road D
Random Lake, WI 53075

On-Site Representative(s): Jason Vorpahl, Partner, Rockland Dairy, LLC

DNR Staff / Report Writer: Kate Markiewicz, Agricultural Runoff Management Specialist, Report Writer
Eric Struck, Agricultural Runoff Management Specialist

On June 4, 2024 at 10:45AM, Wisconsin Department of Natural Resources (DNR) staff Kate Markiewicz and Eric Struck met with Jason Vorpahl, partner and manager of Rockland Dairy LLC, to conduct a partial inspection of the waste storage facilities for compliance prior to permit reissuance. Rockland Dairy is a dairy operation and presently consists of a main farm. The operation is covered under a Wisconsin Pollutant Discharge Elimination System (WPDES) Permit (WI-0061786-04-0) which will expire on September 30, 2024.

Rockland Dairy continues to consider constructing a new barn and adding a digester. The timeline of these additions remains uncertain. The barn where the digester would potentially be placed is currently empty and Rockland Dairy has been mounding fill-dirt where the new barn would be located.

The weather on the day of inspection was 75°F and sunny. There was no precipitation within 24 hours of the inspection, but otherwise it had been a very wet spring. No water samples were taken as part of the inspection.

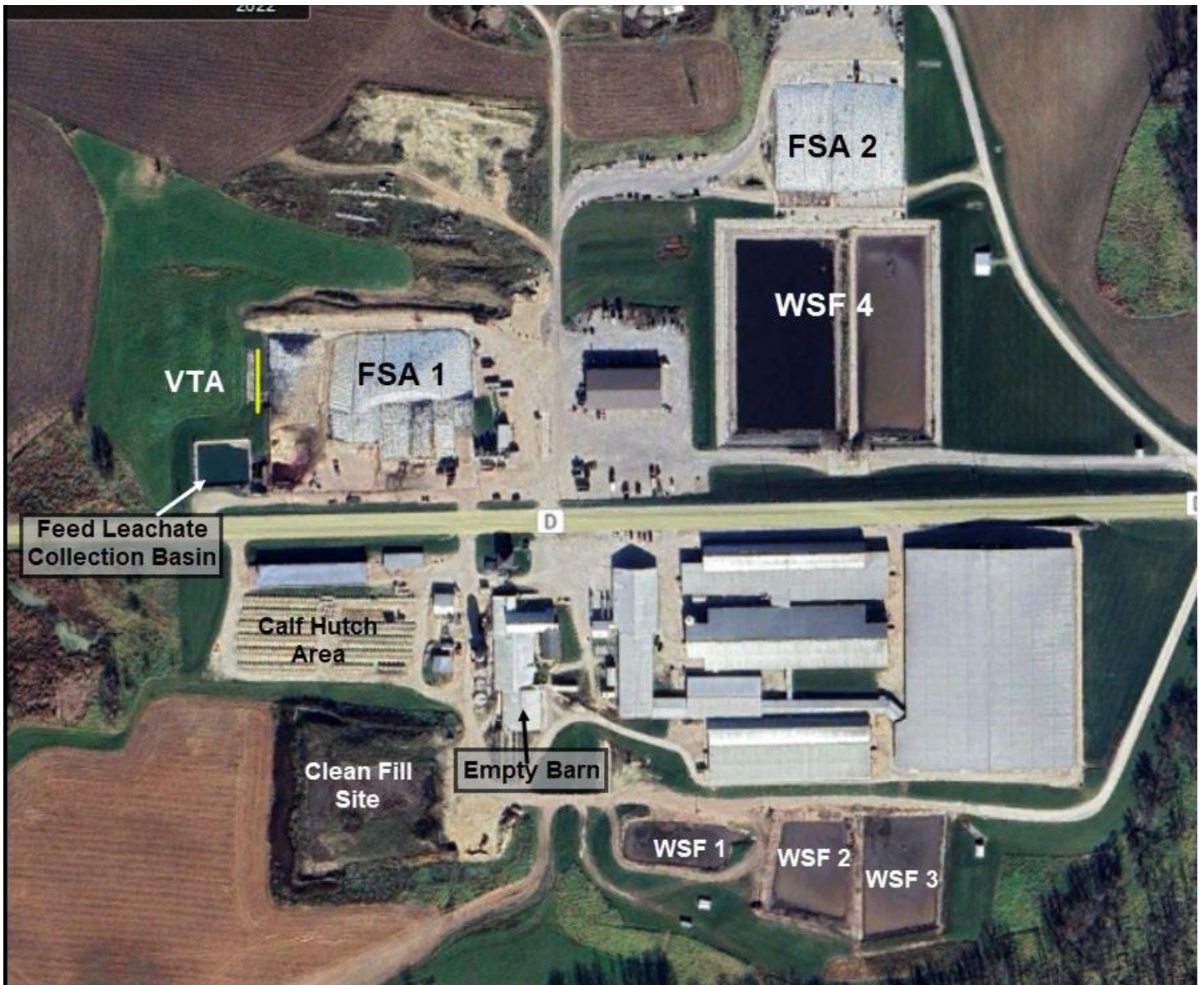


Figure 1: Labeled aerial map of Rockland Dairy.
Image Source: Google Earth.

SITE OBSERVATIONS

Waste Storage Facilities

Permanent markers were installed on WSF 3 and WSF 4. Permanent markers are not installed on WSF 1 and WSF 2 because they flow into WSF 3 and therefore are not required.

The inlet pipe for WSF 1 was previously fixed but recently became damaged again from equipment driving over it. The pipe was actively being fixed during the inspection. Vorpahl told the department a large block would be placed over the top of the pipe so equipment would stop driving over it. The sunken berm on the north side of WSF 1 near the inlet pipe was fixed prior to the inspection with fill soil.



Photo 1: Permanent markers (red arrows) on conduit along the east side of WSF 3.



Photo 2: Permanent markers (red arrows) on conduit along the east side of WSF 4.



Photo 3: Close-up of WSF 4 permanent markers (red arrows).



Photo 4: Hole in WSF 1 inlet pipe circled in red. Photo facing south.



Photo 5: Workers actively repairing WSF 1 inlet pipe hole during the time of inspection.

Feed Storage Area Runoff

The hole in the west side of Feed Storage Area 1 (FSA 1) bunker wall was repaired with a piece of metal.

The vegetated treatment area (VTA) appeared to be in good condition with no visible ponding or vegetation burnout. The department reminded Vorpahl to continue monitoring sediment buildup in the concrete spreader bar and clean it out as needed so it continues to function well.



Photo 6: Repair in FSA 1 bunker wall circled in red.



Photo 7: Looking north at the VTA concrete spreader bar.



Photo 8: Looking north, process wastewater can be seen flowing from the concrete spreader bar into the VTA.



Photo 9: Looking northwest at the VTA.

Calf Hutch Area

The calf hutch area runoff controls were evaluated and no further action was required as they appeared in good condition.

SUMMARY

Areas of Concern

1. WSF 1 inlet pipe was damaged multiple times from equipment driving over the area. Adding a barrier could help protect the pipe from future damage.

Action Items

1. Revisit operation and maintenance plans for all WSFs to ensure no buildup of solids occurs in the future.
2. Send photos of completed WSF 1 inlet pipe repair and barrier to the Department by August 31, 2024.



December 4, 2024

Jason Vorpahl
Rockland Dairy Inc.
W4705 Hwy D
Random Lake, WI 53075-5035

SUBJECT: Conditional Approval of ROCKLAND DAIRY INC Nutrient Management Plan, WPDES Permit No. 0059439-05-0

Dear Jason Vorpahl:

After completing a review of ROCKLAND DAIRY INC Nutrient Management Plan (NMP) the Wisconsin Department of Natural Resources (Department) is providing conditional approval that it is consistent with Nutrient Management Requirements in s. NR 243, Wis. Adm. Code. This part of your WPDES permit application is now ready for the public notice and comment process as required by Ch. 283 Stats.

Before applying manure onto approved fields each season, the Department recommends ROCKLAND DAIRY INC 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 Rockland Dairy Inc 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 Rockland Dairy Inc 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 3495 animal units (2350 milking & dry cows, 90 heifers, and 530 calves). Currently there are no planned expansions in the next permit term.
2. Manure generation and spreading records indicate your herd will annually generate approximately 32,578,000 gallons of manure and process wastewater and 5,532 tons of sand/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 Rockland Dairy Inc currently has 4,405 acres (1,037 owned and 3,368 controlled through contracts, rental agreements or leases, or under manure agreements) of which 4,372 are spreadable acres. Please note: an additional 753.3 acres are prohibited until updated soil samples can be obtained.

6. That some fields included in the NMP are directly adjacent to or have high potential to deliver nutrients and sediment to North Branch Milwaukee River, Onion River, Silver Creek (Total Phosphorus); Unnamed Adell Tributary 33000, Unnamed Trib. To Onion River via Waldo Impoundment 52600 (Sediment/Total Suspended Solids); Unnamed Ludowissi L Br To Sauk Creek 49700 (Degraded Biological Community).
7. That some fields included in the NMP are directly adjacent to or have high potential to deliver nutrients and sediment to outstanding/exceptional waters including Gooseville Creek.
8. That the following fields included in the NMP are located within the well head protection area for the Village of Adell: 23 01.
9. That 15 fields are tiled:

• 03 23 24	• 21 02	• 28 09	• McCabe 14 to 18
• 03 27	• 21 03	• McCabe 1 to 9	
• 19 01 02 03 04	• 21 04	• McCabe 09 01	
• 20 02	• 21 10	• McCabe 10 to 20	
• 21 01	• 21 11		
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 2024-2029 Rockland Dairy Inc Nutrient Management Plan subject to the following conditions and the applicable requirements of Ch. NR 243, Wis. Adm. Code:

FIELD AND MANURE MANAGEMENT

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

Field Name	Other Permittee Name	Other Permittee Field Name	DNR #
05A H1 H2 H4	RANDOM LAKE VILLAGE	H-1	91023
05A H1 H2 H4	RANDOM LAKE VILLAGE	H-2	91022
05A H1 H2 H4	RANDOM LAKE VILLAGE	H-3	91024
05A H1 H2 H4	RANDOM LAKE VILLAGE	H-4	91025
08 12	MILK SPECIALTIES GLOBAL - ADELL	TEMP-1	95965
11 02	SHEBOYGAN WASTEWATER TREATMENT PLANT	257-1	175

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

3. The following fields are prohibited from receiving applications of manure or process wastewater:
- Albinger 1
 - Albinger 4
 - Albinger 5
 - Albinger 6
 - Demler 1
 - R09
 - 01 09 North
 - 02 07 West
 - 05A H5
 - 12 Baumann
 - 16 Goede
 - 17 Kies North
 - 24 07 08 09 10
 - 24 11 12 13 14
 - 25 01
 - 25 04 E03
 - 25 0904 08
 - 28 07
 - 09 05
 - 38833

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

4. If existing fields yield a soil test results equal to or greater than 200 ppm P, those fields would be prohibited from receiving manure or process wastewater applications, unless you obtain Department approval in accordance with NR 243.14(5)(b)2., Wis. Adm. Code.
5. All liquid manure samples collected may be analyzed, at a minimum, for percent dry matter, total nitrogen, percent NH₄-N, percent NO₃-N, phosphorus, potassium, and sulfur.
6. If manure sample results have a dry matter (DM) content less than 2.0% and the percent ammonium (NH₄⁺) is greater than 75% of the total N, Rockland Dairy Inc may use the following equation to adjust the first year available nitrogen when applications are injected or incorporated within 1 hour:

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

7. Rockland Dairy Inc shall record daily manure applications by using form “Daily Spreading Log for Manure Applicators”. These forms shall be retained at the farm and provided to the department upon request.
8. Rockland Dairy Inc 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 3200-123. If an alternative method of record retention is requested, please provide a template to the Department for approval.

WINTER SPREADING

9. Liquid manure applications during winter conditions, as defined by NR 243.14(7), Wis. Adm. Code, are prohibited with the exception of emergency applications.
10. The following field(s) are approved for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure, excluding areas with W soils that cannot be verified:
- 10 03 08
 - 11 01
 - 24 01 02
 - 24 07 08 09 10
 - 14 to 18
 - 12 Baumann
 - 16 Goede
 - 17 Kies North
 - M20
11. 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.
12. Winter applications of liquid manure shall only occur under emergency situations, after notifying the Department and receiving verbal approval.

13. 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

14. No headland stacking sites are approved.

MANURE & PROCESS WASTEWATER IRRIGATION

15. Irrigation of manure or process wastewater is prohibited.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

16. 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.

ITEMS FOR FOLLOW-UP

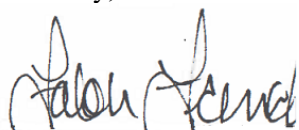
17. Please clarify with the Department what form(s) or report(s) are used to maintain annual spreading records for the annual nutrient management plan update by December 18, 2024.

This conditional approval does not limit the Department's regulatory authority to require NMP revisions (based upon new information or manure irrigation research findings) or request additional information in order to confirm or ensure your farm operation remains in compliance with NR 243 and your WPDES permit conditions. If additional information, project changes or other circumstances indicate a possible need to modify this approval, the Department may ask you to provide further information relating to this activity.

Please keep in mind that approval by the Department of Natural Resources – Runoff Management Program does not relieve you of obligations to meet all other applicable federal, state or local permits, zoning and regulatory requirements.

If you have any questions regarding this approval I can be reached at (608) 228-5265 or Falon.French@Wisconsin.gov.

Sincerely,



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

cc: Kate Markiewicz, WDNR Agricultural Runoff Specialist (kate.markiewicz@wisconsin.gov)
Michelle Scott, WDNR Watershed Field Supervisor (Michelle.Scott@wisconsin.gov)
Christopher Clayton, WDNR Runoff Management Section Chief (Christopherr.Clayton@Wisconsin.gov)
Aaron O'Rourke, WDNR Nutrient Management Program Coordinator (Aaron.Orourke@Wisconsin.gov)
Ashley Scheel, WDNR CAFO Nutrient Management Plan Reviewer (Ashley.Scheel@Wisconsin.gov)
Tabatha Davis, WDNR CAFO Engineer (tabatha.davis@wisconsin.gov)

Katie Vogeler, Ozaukee County, (kvogeler@ozaukeecounty.gov)
Tyler Betry, Sheboygan County (tyler.betry@sheboygancounty.com)
Matthew Risch, Village of Adell Public Works (adellpw@gmail.com)
Paul Sturgis, Crop IMS, LLC (psturgis@cropims.com)
File



October 15, 2024

FILE REF: R-2024-0106
 WPDES Permit #: WI-006178

Jason Vorpahl
 Rockland Dairy Inc.
 W4705 Hwy D
 Random Lake, WI 53075

Subject: Days of Storage Review for Rockland Dairy Inc., NE¼ of T13N, R21E, Section 25 in Sherman Township, Sheboygan County – NO ADDITIONAL ACTION REQUIRED

Dear Jason Vorpahl:

This letter is to inform you that the Wisconsin Department of Natural Resources (Department) has completed its review of the calculation of days of storage submitted under certification by James Roach , Roach and Associates on April 10, 2024 on behalf of Rockland Dairy Inc..

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 Rockland Dairy Inc. has 252 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 3,380. The liquid waste volumes are based on the NRCS spreadsheet and other estimated or calculated values for a collection period of 365 days. Leachate and first flush from feed storage area 1 are collected in runoff controls and pumped to a tanker truck. Additional runoff enters a vegetated treatment area. All runoff from sweet corn feed storage area 2, up to the 25-year, 24- hour storm, is collected in permanent storage. The concrete lined storages contain sumps and solid waste removal plans to justify zero solids storage in Waste Storage Capacity calculations.

Total Liquid Waste Storage Capacity (gallons)						
Waste Storage	Total Vol. from Settled Top to Bottom	-Solids Storage	-25-yr, 24-hr Precip. on Storage	25-yr, 24-hr Collected Runoff	Freeboard Vol.	Max. Operating Level (MOL) Vol.
#1	1,006,153		59,561		145,444	801,148
#2	2,619,915		117,947		286,305	2,215,663
#3	3,023,274		126,958		307,069	2,589,247
#4	19,240,555		618,721	206,949	1,539,355	16,875,530
Total MOL Vol:						22,481,588
Days of Storage:						252

Total Annual Liquid Waste Volume (NRCS Table Values)	
Liquids Collected/Stored	Annual Gallons
Manure and Bedding	20,647,957
Parlor Wastewater	6,099,450
Feed Storage Leachate	351,859
Feed Storage Runoff Collected	1,533,247
Net Precipitation on Storage Surface(s)	3,945,409
TOTAL:	32,577,922

Should you have any questions, please contact Tabby 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



Tabby Davis
CAFO Review Engineer
Watershed Management Program

Email: Jason Vorpahl; Rockland Dairy Inc.
(920) 946-8140; vfi@excel.net

James Roach; Roach and Associates
(920) 833-6340; jim@jmroach.com

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

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

Tyler Betry; Sheboygan County
(920) 459-3060; tyler.betry@sheboygancounty.com

Kate Markiewicz; DNR-Northeast Region
(608) 893-4046; kate.markiewicz@wisconsin.gov

Michelle Scott; DNR-Southeast Region
(920) 252-0679; Michelle.Scott@wisconsin.gov

Ashley Scheel; DNR, Central Office
(608) 261-6419; ashley.scheel@wisconsin.gov

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

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

PUBLIC NOTICE OF AVAILABILITY OF A NUTRIENT MANAGEMENT PLAN AND INTENT TO REISSUE A WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM (WPDES) PERMIT No.WI-0061786-05-0

Permittee: Rockland Dairy LLC, W4705 County Rd D, Random Lake, WI, 53075

Facility Where Discharge Occurs: Rockland Dairy LLC, W4705 County Rd D Random Lake

Receiving Water And Location: Surface water and groundwater within the Middle Onion River Watershed

Brief Facility Description : Rockland Dairy LLC is an existing Concentrated Animal Feeding Operation (CAFO) owned and operated by Jason and Marty Vorpahl, Jeff Optiz, and Steve Depies. It currently has 3,495 animal units (2350 milking & dry cows, 90 heifers, and 530 calves). Rockland Dairy LLC owns 1,037 acres and rents 3,368 acres. Of this acreage, 4,372 are available for land application of manure and process wastewater.

The Department has tentatively decided that the above specified WPDES permit should be reissued.

Permit Drafter's Name, Address, Phone and Email: Kate Markiewicz, DNR, 1027 W St Paul Ave, Milwaukee, WI, 53233, (608) 893-4046, Kate.Markiewicz@wisconsin.gov

Persons wishing to comment on or object to the proposed permit action, the terms of the nutrient management plan, or the application, or to request a public informational hearing may write to the Department of Natural Resources at the permit drafter's address. All comments or suggestions received no later than 30 days after the publication date of this public notice will be considered along with other information on file in making a final decision regarding the permit. Anyone providing comments in response to this public notice will receive a notification of the Department's final decision when the permit is re-issued. Where designated as a reviewable surface water discharge permit, the U.S. Environmental Protection Agency is allowed up to 90 days to submit comments or objections regarding this permit determination. If no comments are received on the proposed permit from anyone, including U.S. EPA, the permit will be re-issued as proposed.

The Department may schedule a public informational hearing if within 30 days of the public date of this notice, a request for a hearing is filed by any person. The Department shall schedule a public informational hearing if a petition requesting a hearing is received from USEPA or from 5 or more persons or if the Department determines there is significant public interest. Requests for a public informational hearing shall state the following: the name and address of the person(s) requesting the hearing; the interest in the proposed permit of the person(s) requesting the hearing; the reasons for the request; and the issues proposed to be considered at the hearing.

Information on file for this permit action, including the draft permit and fact sheet (if required), the operation's nutrient management plan and application may be inspected and copied at the permit drafter's office, Monday through Friday (except holidays), between 9:00 a.m. and 3:30 p.m. Please call the permit drafter for directions to their office location, if necessary. Information on this permit action may also be obtained by calling the permit drafter at (608) 893-4046 or by writing to the Department. Reasonable costs (15 cents per page for copies and 7 cents per page for scanning) will be charged for information in the file other than the public notice and fact sheet. Permit information is also available on the internet at: <http://dnr.wi.gov/topic/wastewater/PublicNotices.html>. Pursuant to the Americans with Disabilities Act, reasonable accommodation, including the provision of informational material in an alternative format, will be made to qualified individuals upon request.

NAME OF PUBLISHING NEWSPAPER: **Enter Name of Publishing Newspaper**

ADDRESS OF PUBLISHING NEWSPAPER: **Enter Address of Publishing Newspaper**

Date Notice Issued: **Enter Date Notice Issued**