

Permit Fact Sheet

General Information

Permit Number:	WI-0062472-04-1
Permittee Name:	Quantum Dairy LLC
Address:	N1602 Buchholtz Rd
City/State/Zip:	Weyauwega WI 54983
Discharge Location:	N1602 Buchholtz Rd, Weyauwega WI 54983
Receiving Water:	Walla Walla and Alder Creek, Waupaca River and Lower Wolf River Watershed

Animal Units					
	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.)	3	0	0	0	
Milking and Dry Cows	630	644	0	0	
Steers or Cows (400 lbs. to market)	185	185	0	0	
Total	818	644	0	0	

Facility Description

Quantum Dairy LLC is an existing Concentrated Animal Feeding Operation (CAFO). Quantum Dairy LLC is owned and operated by Kurt Duxbury. It currently has 5,050 animal units and based on current herd size Quantum Dairy has approximately 182 days of liquid manure storage. Quantum Dairy generates 70,000,000 gallons of liquid manure and process wastewater and 3,000 tons of solid manure annually. Quantum Dairy LLC has a total of 8,571 acres available for land application of manure and process wastewater. Of this acreage, 1,500 acres are owned and 7,071 acres are rented.

Substantial Compliance Determination

Enforcement During Last Permit:

Quantum Dairy has had no enforcement during the last permit term.

Compliance determination entered by Bethani Chambers on 3/19/2024.

Sample Point Designation For Animal Waste	
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)
001	Sample point 001 is for liquid manure and process wastewater land applied from waste storage facility 1 (WSF 1). WSF 1 is a HPDE lined storage located at the Main site to the west of WSF 3. The facility has a capacity of 21,769,628 gallons and was constructed in 2004. This storage accepts manure and process wastewater from the adjacent freestall barns, parlor, and feed storage area.
002	Sample point 002 is for liquid manure and process wastewater land applied from waste storage facility 3 (WSF 3). WSF 3 is a concrete lined storage located at the Main site to the east of WSF 1. The facility has a capacity of 10,520,458 gallons and was built in 2018. This storage accepts manure and process wastewater from WSF 1 and solid manure from the adjacent freestall barns.
003	Sample point 003 is for solid manure sources that are directly land applied and not stored in a waste storage facility. This includes solid manure sources such as bedpack, calf hutch manure, maternity pen bedpack, headland stacking locations, etc. Representative samples shall be taken for each manure source type.
004	Sample point 004 is for visual monitoring and inspection of the feed storage area and associated runoff control system 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 the monitoring program.
010	Sample point 010 is for liquid manure and process wastewater land applied from waste storage facility 2 (WSF 2). WSF 2 is a concrete lined storage located to the south of the existing outdoor feedlot at the Ponto site. The facility has a capacity of 2,877,782 gallons and was last upgraded in 2019. This storage accepts manure and process wastewater the adjacent freestall barns and feedlot.
011	Sample point 011 is for visual monitoring and inspection of the outdoor concrete feedlot and associated runoff control system located at the Ponto site, north of WSF 2. Feedlot runoff is pumped into waste storage facility 2. 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 the monitoring program. The runoff control system was last evaluated in 2016 and met permit requirements.
012	Sample point 012 is for and manure solids removed from the bottom of all liquid waste storage facilities. This includes manure-laden sand solids, manure fiber solids, etc. Representative samples shall be taken from each waste storage facility.
013	Sample point 013 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 the monitoring program.
015	Sample point 015 is for liquid manure and process wastewater land applied from waste storage facility 4 (WSF 4). WSF 4 is a concrete lined storage and is the northernmost WSF at the Breezy Hill site. This facility has an estimated capacity of 1,100,000 gallons and was constructed in 1995. This storage accepts manure and process wastewater from the adjacent concrete lots, animal barns, and feed storage area. WSF 4 will require an engineering evaluation and installation of permanent markers, see Schedules section for due dates.
016	Sample point 016 is for liquid manure and process wastewater land applied from waste storage facility 5 (WSF 5). WSF 5 is a concrete lined storage and is the southernmost WSF at the Breezy Hill site. This

Sample Point Designation For Animal Waste	
Sample Point Number	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)
	facility has an estimated capacity of 900,000 gallons and was constructed in 2012. This storage accepts manure and process wastewater from the WSF 4 and adjacent animal barn. WSF 5 will require an engineering evaluation and installation of permanent markers, see Schedules section for due dates.
017	Sample point 017 is for liquid manure and process wastewater land applied from waste storage facility 6 (WSF 6). WSF 6 is a concrete lined storage located on Galilee road at the Breezy Hill site. This facility has an estimated capacity of 900,000 gallons and was constructed in 2014. This storage accepts manure and process wastewater from the adjacent outdoor feedlot. WSF 6 will require an engineering evaluation and installation of permanent markers, see Schedules section for due dates.
018	Sample point 018 is for visual monitoring and inspection of the feed storage area and associated runoff control system at the Breezy Hill site. 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. An engineering evaluation of the feed storage area and runoff control system shall be submitted according to the Schedules section of the permit.
019	Sample point 019 is for visual monitoring and inspection of outdoor concrete feedlot and associated runoff control system located on Galilee road at the Breezy Hill site. Feedlot runoff is stored into waste storage facility 6. 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 feedlot and runoff control system shall be submitted according to the Schedules section of the permit.

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 182 days of storage for liquid manure. The permittee must maintain 180 days of storage, unless temporary reductions in required storage are approved by the Department.

Solid Manure Stacking

The operation has proposed to stack solid manure. All stacking of solid manure shall be done in accordance 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 5,050 animal units, it is estimated that approximately 70,000,000 gallons of liquid manure and process wastewater and 3,000 tons of solid manure will be produced per year. The permittee owns *approximately* 1,500 acres of cropland and rents about 7,071 acres. Given the rotation commonly used by the permittee, 8,571 acres are available (or open) to receive manure and process wastewater on an annual basis. The permit requires all landspreading of manure and process wastewater be completed in accordance with an approved nutrient management plan. The permit will require sampling and analysis of manure and process wastewater that will be landspread. Landspreading rates must be adjusted based on sample analysis. The permit requires the permittee to maintain a daily log that documents landspreading activities. The permit also requires the submittal of an annual report that summarizes all landspreading activities. Plans must be updated annually to reflect cropping plans and other operational changes. Among the requirements, the plans must include detailed landspreading information including field by field nutrient budgets.

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

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

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

Monitoring and Sampling Requirements

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

Sampling Points

The permit identifies the different sources of land applied materials (e.g., manure storage facilities, milking centers, egg-washing facilities) as “Sampling Points.” For these Sampling Points, the permittee is required to sample and analyze the different sources for nutrients and other parameters which serve as the basis for determining rates of application for these materials. Other areas are also identified as Sampling Points as a means of identifying them as areas requiring action by the permittee, such as an upgrade or evaluation of a certain system or structure (e.g., runoff control systems), even though sampling is not actually required.

Sample Point Number: 001- WSF 1 - WEST; 002- WSF 3 - EAST; 010- WSF 2 - PONTO ; 015- WSF 4 - BREEZY HILL; 016- WSF 5 - BREEZY HILL; 017- WSF 6 - BREEZY HILL

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

1.1.1 Changes from Previous Permit

Sample point language was updated. Sample points 015, 016, and 017 were added to reflect the addition of the Breezy Hill satellite site.

1.1.2 Explanation of Operation and Management Requirements

Manure must be properly stored and land applied according to the permit and nutrient management plan

Sample Point Number: 003- Misc Solid Manure Sources ; 012- 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	
Phosphorus, Available		lbs/ton	Quarterly	Calculated	
Solids, Total		Percent	Quarterly	Grab	

1.1.3 Changes from Previous Permit

No changes from previous permit

1.1.4 Explanation of Operation and Management Requirements

Solid manure sources must be properly sampled and land applied according to the permit and nutrient management plan.

Sample Point Number: 004- FSA - MAIN SITE; 011- Outdoor Feedlot - PONTO; 013- Storm Water Runoff Control ; 018- FSA - BREEZY HILL, and 019- Outdoor Feedlot - BREEZY HILL

1.1.5 Changes from Previous Permit

Sample point language was updated. Sample points 018 and 019 were added to reflect the addition of the Breezy Hill satellite site.

1.1.6 Explanation of Operation and Management Requirements

Proper operation and maintenance is required to ensure unlawful discharges to waters of the state do not occur. Weekly or quarterly inspections are required and shall be recorded according to the monitoring plan.

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.	09/01/2021

2.2 Monitoring & Inspection Program

Required Action	Due Date
Proposed Monitoring and Inspection Program: Consistent with the Monitoring and Sampling Requirements subsection, the permittee shall submit a proposed monitoring and inspection program within 60 days of the effective date of this permit.	10/01/2021

2.3 Annual Reports

Submit Annual Reports by January 31st of each year in accordance with the Annual Reports subsection in Standard Requirements.

Required Action	Due Date
Submit Annual Report #1: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2022
Submit Annual Report #2: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2023
Submit Annual Report #3: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2024
Submit Annual Report #4: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2025
Submit Annual Report #5: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.	01/31/2026
Ongoing Annual Reports: Continue to submit Annual Reports until permit reissuance has been completed.	

2.4 Nutrient Management Plan

Submit annual nutrient management plan (NMP) updates by March 31 of each year. Note, in addition to annual NMP updates, submit NMP amendments and substantial revisions to the department for written approval prior to implementation of any changes to the NMP.

Required Action	Due Date
Management Plan Submittal: Submit any necessary updates to the Nutrient Management Plan to meet the conditions outlined in this permit (see conditions in the Livestock Operational and Sampling	

Requirements section).	
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.	03/31/2022
Management Plan Annual Update #2: Submit an Annual Update to the Nutrient Management Plan.	03/31/2023
Management Plan Annual Update #3: Submit an Annual Update to the Nutrient Management Plan.	03/31/2024
Management Plan Annual Update #4: Submit an Annual Update to the Nutrient Management Plan.	03/31/2025
Management Plan Annual Update #5: Submit an Annual Update to the Nutrient Management Plan.	03/31/2026
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 - Engineering Evaluation

Applicable to sample points 015, 016, and 017: WSF 4, WSF 5, and WSF 6

Required Action	Due Date
Retain Expert: Retain a qualified expert to complete an engineering evaluation for WSF 4, WSF 5, and WSF 6 and report the name of the expert to the Department.	07/01/2024
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 Wastewater Storage subsections and s. NR 243.15, Wis. Adm. Code. (See Standard Requirements for report details.)	09/01/2024
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.	09/01/2025
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.	07/01/2026

2.6 Permanent Markers - Installation

Applicable to sample points 015, 016, and 017: WSF 4, WSF 5, and WSF 6

Required Action	Due Date
Complete Installation: Complete installation of permanent markers. 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.	08/01/2024

2.7 Feed Storage - Engineering Evaluation

Applicable to sample point 018, for the feed storage area at the Breezy Hill site

Required Action	Due Date
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Retain Qualified Expert: The permittee shall retain a qualified expert to complete an engineering evaluation for the Breezy Hill feed storage area and report the name of the expert to the Department.	07/01/2024
Written Description of Existing System: Submit an engineering evaluation that includes a written description of the existing feed storage area and its adequacy to meet the conditions found in the Production Area Discharge Limitations subsection and NR 243.15, Wis. Adm. Code.	09/01/2024
Plans and Specifications: Submit plans and specifications for Department review and approval to permanently correct any adverse conditions identified as part of the engineering evaluation for the feed storage area in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code.	09/01/2025
Corrections and Post Construction Documentation: Complete construction of improvements to permanently correct 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.	07/01/2026

2.8 Runoff Control System - Engineering Evaluation

Applicable to sample point 019, for the outdoor feedlot at the Breezy Hill site

Required Action	Due Date
Complete Engineering Evaluation: Retain a qualified expert to complete an engineering evaluation for the Breezy Hill concrete feedlot runoff control system and report the name of the expert to the Department.	07/01/2024
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.)	09/01/2024
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.	09/01/2025
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.	07/01/2026

2.9 Waste Transfer System - Engineering Evaluation

Applicable to existing waste transfer systems from the existing freestall barns at the Breezy Hill site

Required Action	Due Date
Retain Expert: Retain a qualified expert to complete an engineering evaluation for the manure waste transfer system and report the name of the expert to the Department.	07/01/2024
Written Report: Submit a written report evaluating the existing waste transfer system's ability to meet the conditions in the Production Area Discharge Limitations and Manure and Process Wastewater Storage subsections and s. NR 243.15, Wis. Adm. Code. (See Standard Requirements for report details.)	09/01/2024
Plans and Specifications: Submit plans and specifications for Department review and approval in	09/01/2025

accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code, to permanently correct any adverse waste transfer system conditions.	
Corrections and Post Construction Documentation: Complete construction on the waste transfer system 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.	07/01/2026

2.10 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	02/01/2026

2.11 Explanation of Schedules

Emergency Response Plan, Monitoring and Inspection Program – Schedules consistent with permit requirements
Annual Reports, Nutrient Management Plan, Submit Permit Reissuance Application - Schedules consistent with permit requirements.

Other schedule items are required to comply with s. NR 243 and WPDES permit conditions.

Attachments:

Plan Approval Letter(s)

Public Notice

Expiration Date:

7/31/2026

Prepared By:

Bethani Chambers

Agricultural Runoff Management Specialist

Date: 3/19/2024

Notice of modification was published in the [\[Enter name of publication\]](#) , [\[Enter address of publication\]](#) .

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
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Madison WI 53707-7185

Tony Evers, Governor
Adam N. Payne, Secretary
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February 8, 2024

Kurt Duxbury
Quantum Dairy LLC
N1602 Buchholtz Rd
Weyauwega, WI 54983

SUBJECT: CAFO WPDES Permit Application - Acknowledgment of Receipt
WPDES Permit No. WI-0062472

Dear Kurt Duxbury:

The Department received your final application for modification of a CAFO WPDES permit for Quantum Dairy LLC on January 25, 2024. Based on the current application materials submitted, you are missing a signed 3400 form, an environmental analysis questionnaire, and complete days of storage calculations and documentation. The questionnaire can be accessed here: [EAQuestionnaire.pdf \(wisconsin.gov\)](#). Please send the signed 3400 form and the questionnaire to me by **Thursday, February 22, 2024**, and I will upload these documents to your application on your behalf. Please work with your regional specialist to submit complete days of storage calculations and documentation.

Current application materials include the following:

1. Livestock/Poultry Operation WPDES Permit Application Forms 3400-025, 025B, 025G
2. Animal Unit Calculation Worksheet Form 3400-025A
3. Labeled Aerial Maps
4. Soil Survey Maps
5. Nutrient Management Plan (NMP)

I have distributed your application components to the appropriate DNR technical reviewers. As the review process continues, additional materials may be requested. The application will be considered complete after all application materials have been reviewed and found to require no further actions.

Your regional Agricultural Runoff Management Specialist is Bethani Chambers. Bethani can be contacted at (920) 573-8033 or by e-mail to Bethani.Chambers@wisconsin.gov. You should now work with them to continue processing your permit application.

Thank you for submitting a final permit application. Please do not hesitate to contact Bethani Chambers or me if you have any questions about your application materials.

Sincerely,

Sonya Ponzi
CAFO Permit Intake Specialist
Phone: (414) 750-1048
Email: Sonya.Ponzi@wisconsin.gov

cc: Bethani Chambers, Joe Baeten – DNR
John Roach - Roach & Associates LLC

Hunter Billington - Quantum Dairy LLC
Brian Haase - Waupaca County LCD

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-0062472-04-
1

Permittee: Quantum Dairy LLC, N1602 Buchholtz Rd, Weyauwega, WI, 54983

Facility Where Discharge Occurs: Quantum Dairy LLC, E4399 Bartel Rd Weyauwega

Receiving Water And Location: Surface water and groundwater within the Lower Wolf River Watershed

Brief Facility Description: Quantum Dairy LLC is a proposed Concentrated Animal Feeding Operation (CAFO). Quantum Dairy LLC is owned and operated by Kurt Duxbury. It currently has 5,050 animal units and based on current herd size Quantum Dairy has approximately 219 days of liquid manure storage, and 59 days of solid manure storage. Quantum Dairy generates 50,000,000 gallons of liquid manure and process wastewater and 12,851 tons of solid manure annually. Quantum Dairy LLC has a total of 7,415 acres available for land application of manure and process wastewater. Of this acreage, 931 acres are owned and 6,786 acres are rented. The Department has tentatively decided that the above specified WPDES permit should be reissued.

Permit Drafter's Name, Address, Phone and Email: Holly Stegemann, 2220 Cty Hwy V, Mishicot, WI, 54228, (920) 360-0794, Holly.Stegemann@wisconsin.gov

Public Notice Contact: Joseph Baeten, 2984 Shawano Ave Green Bay WI 54313-6727, (920) 366-2072, Joseph.Baeten@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 public notice contact'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 (920) 360-0794 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**

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