

Nutrient Management Plan Checklist Livestock/Poultry Operation WPDES Permit Application

Form 3400-025B (R 3/12)

Notice: Pursuant to ch. NR 243, Wis. Adm. Code and s. 283.53(3), Wis. Stats., this form is required to be submitted, along with Form 3400_025A and all other required application materials, by the owner or operator of a concentrated animal feeding operation (CAFO). The Department will not consider your application unless you provide and submit complete information. Penalties for failure to submit a completed form are established in ss. 283.89 and 283.91, Wis. Stats. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.)

I. Operation Information

Operation Badger Holsteins of Unity, LLC		Contact Jeff Meyer		WPDES Permit No WI-0064289-01-0	
Location Address-Street, Route or Box W2031 CTH K			City Unity		State WI
					Zip Code 54488
Phone Number (inc area code) 715-223-2827	Cell Phone 715-223-5981	Fax Number NA	Email Address badgerholsteins@hotmail.com		

II. Preparer Information

Name of Cop Consultant Matt Luther		Company/Title Rock River Laboratory/Nutrient Management Specialist			
Mailing Address- Street, Route or Box 710 Commerce Dr. P.O.169			City Watertown		State WI
					Zip Code 53094
Phone Number (inc area code) 920-261-0446	Cell Phone 715-207-1279	Fax Number	Email Address matt_luther@rockriverlab.com		

1. Plan Type: (select one)		Applicable growing season			
Initial Plan Annual Update Permit Renewal		2016			
2. Total Acres Covered by NMP: 3122.6 acres		Total spreadable acreage: 3122.6 acres			
Cropland acres, owned: 2091.3 acres		Agreement or Rented Acres: 1031.3 Rented			
3. Total acreage used for land application in previous 12 months:		Total animals at facility in previous 12 months: 2790 Animal Units			
2155.3 acres					

III. NR 243 CAFO Nutrient Management Plan (NMP) Checklist

Check yes or no and provide the location (section) of the item in the NMP. Failure to provide item location may delay review of the NMP by the DNR and/or require resubmittal of the checklist with this information.

	Yes	No	Section
1. Does plan meet Wisconsin's NRCS 590 Nutrient Management Standard nutrient budgeting, soil test recommendations, selecting dominant critical soil unit criteria and establishing perennial vegetation in all areas if concentrated flow resulting in reoccurring gullies? (NRCS soil unit criteria: http://www.wi.nrcs.usda.gov/technical/consplan/rusle.html)	Yes		2
2. Does plan contain fields with high potential for N leaching to groundwater?	Yes		3
If yes, do these fields meet NRCS 590 soil temperature, application rate, and timing restrictions?	Yes		3
3. Does plan contain NRCS 590 response procedures for manures, organic byproducts and fertilizer applications that cause drainage to subsurface tiles, ponding, or runoff? (NOTE: Such procedures must include methods to prevent offsite movement of nutrients- via subsurface tile discharge or surface runoff – to waterways and notify DNR of spills or accidental release)	Yes		Appendix D
4. Does plan contain a copy of NRCS checklist?	Yes		1
Does plan have a narrative that describes:			
a. Expected numbers of animal units on site at end of first year of permit coverage and also expected numbers for remaining permit term (next 4yrs). – NR 243.12(2)(6), Wis. Adm. Code.	Yes		1
b. Expected amounts and types of manure and process wastewater produced on an annual basis.	Yes		1
c. Amount of manure and process wastewater to be land applied.	Yes		1
5. d. Anticipated frequency and method(s) of land application.	Yes		1
e. Other methods of use, disposal, distribution, and treatment of manure or process wastewater.	Yes		1
f. Tillage and crop rotation information for all fields owned or rented or 'in agreements'.	Yes		1
g. Total acreage available (by landowner) for land application owned, rented, or 'in agreements'.	Yes		1 and Appendix A

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		Yes	No	Section
	h. General manure and process wastewater application requirements – NR 243.14(2)(b)(1-13) & (c-f), Wis. Adm. Code AND <u>methods explaining how they will be met on all fields in plan</u> (e.g., <i>field and map verification procedures, applicable best management practices and recordkeeping procedures to track actions taken</i>).	Yes		1
	i. Nutrient crediting requirements – NR-243 .14(3), Wis. Adm. Code- and how they will be met.	Yes		1
	j. SWQMA application restriction option for each field AND methods explaining how restriction(s) will be met – NR 243.14(4), Wis. Adm. Code.	Yes		1
	k. Phosphorus delivery method (P Index or Soil Test P) for each field AND management strategy for fields with soil test P above 100 ppm and 200 ppm - NR 243.14(5), Wis. Adm. Code.	Yes		1
	l. Fields adjacent to or with high potential to drain to impaired or outstanding/exceptional waters (see DNR impaired waters map tool: http://dnrmaps.wisconsin.gov/imf/imf.jsp?site=SurfaceWaterViewer).	Yes		1
	m. Identification of sites for winter (frozen or snow covered ground) applications that meet criteria in tables 4 and 5 for manure – NR 243.14 (6-8) AND methods explaining how they will be met. (NOTE: Fields selected for winter application <u>must have</u> the lowest risk of pollutant delivery to waters of the state and have winter acute loss index value of 4 or less using the Wisconsin Phosphorus Index).	Yes		1
	n. Documentation of adequate storage (180 days) and methods of maintaining adequate storage – NR 243.14(9) and NR 243.17(3), Wis. Adm. Code.	Yes		Appendix A
6.	Are the following field features identified as restricted or high risk areas on spreading maps: (NOTE: Checking yes requires plan narrative to describe methods or procedures to identify, avoid, eliminate, or minimize the surface or ground water quality risk each feature represents.			
	a. Private, non-community drinking water well (100 ft. setback).	Yes		1-3
	b. Community drinking water well (1,000 ft. setback).	NA		
	c. Soils within 24 inches of apparent water table of bedrock at time of application (NOTE: water table depth may vary over time and requires field investigation to determine actual depth of groundwater before application).	Yes		3-4
	d. Fields over 200 ppm soil test phosphorus (manure spreading prohibited unless department approval).	NA		
	e. Direct conduits to groundwater (100ft. setback).	Yes		3
	f. SWQMA areas and 100ft. prohibition or equivalent. (NOTE: maps must identify <u>all conduits to navigable waters</u> . These include: ditches, concentrated flow channels, sinkholes, agricultural well heads, open tile line intake structures, or open vent pipes in fields that discharge to navigable waters and grassed waterways that drain directly to a navigable water). See DNR navigable waters fact sheet: http://www.dnr.state.wi.us/org/water/fhp/waterway/factsheets/index.html .	Yes		3
	g. Wetlands and 25ft. setback OR start of the SWQMA if connected to navigable water – NR 243.14 (4)(a)(2), Wis. Adm. Code. See DNR wetlands map tool: http://dnrmaps.wisconsin.gov/imf/imf.jsp?site=SurfaceWaterViewer.wetlands).	Yes		3
	h. Fields adjacent to or with high potential to drain to impaired or outstanding/exceptional waters (see DNR impaired waters map tool: http://dnrmaps.wisconsin.gov/imf/imf.jsp?site=SurfaceWaterViewer	Yes		3-4
	i. Soils with: (1) High permeability; (2) Within 20 inches to bedrock; or (3) Within 12 inches to apparent water table. (See Appendix 1, WI Tech Note WI-1 http://www.wi.nrcs.usda.gov/technical/technotes.html).	Yes		3-4
	j. Fields with ephemeral erosion, reoccurring gullies, or concentrated flow channels. (NOTE: fields with such soil erosion features <u>do not meet NRCS 590</u> and need to be stabilized with perennial vegetation or other runoff reducing practices. Once established, manure cannot be applied within vegetated flow channels/grassed waterways. If detected, describe in narrative how and when such areas will be stabilized before any manure is applied on fields where gullies exist).	Yes		Established with perennial vegetation
	k. Fields exceeding T- tolerable soil loss – over the crop rotation.	NA		
	l. Subsurface drainage systems (e.g. drain tiles and their outlets).	NA		
7.	Does field size and planned manure spreading to all fields reflect acreage lost to SWQMA or other required setbacks?	No		See narrative

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	Yes	No	Section
8. Is phosphorus being correctly managed:			
a. Fields 50-100 ppm P: Balance P needs over a maximum 8 year rotation?	Yes	PI	2
b. Fields 100-200 ppm P: Drawdown P by 50% cumulative crop removal over a maximum 4 year rotation AND P Index ≤ 6?	Yes		2
c. Is commercial P above 20 lbs. in starter being added to fields over 50 ppm P?	No		2
9. Are manure analyses being taken, at least annually, for every sample point in the permit and being used to develop the plan? If not completed yet, provide schedule when manure testing will be completed in narrative when plan will be updated with this information.	Yes		6
10. Is all manure produced by the farm allocated over the entire rotation or five year permit term? (NOTE: A rotation may be longer or shorter than a 5 year permit term. If shorter than the 5-years, the rotation must be repeated or amended to reflect, at least, the 5 year permit term.	Yes		2
11. Are all commercial fertilizers and off-farm nutrients included for every year in the rotation?	Only Phosphorus		2
12. Are all fields owned, rented, or in agreements with farm that have, or are planned to, receive manure or process wastewater included in the plan? (NOTE: Once a field is included in the plan it must remain so regardless of use/status for the 5-year permit term or rotation – this includes fields used only once during permit term or a rotation. For such fields, projecting what nutrients may be applied is required).	Yes		2
13. Are all fields in plan managed for the entire rotation? Managed for the entire rotation means: Planning for the sequence of crops, tillage, budgeting, and application of nutrients for up to an 8-year period in order to determine field rotation soil loss, rotation avg. P index, and applicable manure or legume credits for each rotation year.	Yes		2
14. If any fields in plan do not receive manure during the rotation, do they follow UW A2809 crop recommendations for other applied nutrients?	Don't exceed A2809		2
15. Are calibrations provided in plan for all manure hauling equipment (including equipment not owned by the farm)? If no, provide schedule when calibrations will be completed in the narrative.	Methods Included		Appendix B
16. Does plan include copies of soil testing for all NMP fields and manure testing results? If not completed yet, provide in narrative a schedule when testing for soil for specific fields or manure will be completed and when plan will be updated with this information.	Yes		5
17. If available, have prior year(s) records (e.g., crop, tillage, nutrients applied) been included in NMP calculations to reflect what actually happened on each field vs. what was planned?	Yes		2
18. Are any fields receiving over-applications of nitrogen based on UW Publication A2809?	No		2

IV. Certification

I certify that the CAFO Nutrient Management Plan criteria listed above is:

- (1) in compliance with all NR 243.14, Wis. Adm. Code, and applicable NRCS 590 criteria, and
- (2) all plan requirements have been reviewed by farm operator/owner

I understand that pursuant to s. 283.91(4), Wis. Stats., any person who knowingly makes any false statement representation or certification in a document filed with the DNR may be punished by a fine of not more than \$10,000 or by imprisonment for not more than 6 months or both.

Signature of Official Farm Representative 	Date December 29, 2015
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V. Certified Crop Advisor

Signature of Certified Crop Advisor 	Date December 29, 2015
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