Wisconsin Department of Natural Resources Bureau of Watershed Management (WT/3) 101 S. Webster Street PO Box 7921 Madison, WI 53707-7921 dnr.wi.gov **Final Report**

Agricultural Targeted Runoff Management & Notice of Discharge Grant Programs

Form 3400-189A (R 05/16)

Page 1 of 2

NOTICE: This document is required under s. 281.65, Wis. Stats., and chs. NR 153 and 154, Wis. Adm. Code. A final project report must be submitted as part of the final reimbursement request. Personally identifiable information contained in this form will be used for determining reimbursement eligibility in the Targeted Runoff Management and Notice of Discharge Grant Programs and will not be used for any other purpose.

INSTRUCTIONS: Send the completed, electronic copy of this form and all attachments to the Department of Natural Resources (DNR) Region Nonpoint Source Coordinator. Please read all instructions prior to completion.

Grant Type													
Select Grant Type Small Scale Non Total Maximum Daily Load (TMDL)													
Project Nam Project Nam		ation											
R. Hastings Roofed Barnyard													
Grant Numb	Governmental Unit Name												
FRC29000Y17 Juneau County													
County													
Juneau				Seym	our Creel	k/U	pper Baraboo 0703		0700040206				
Project Cont	Project Contact Name						E-mail Add			lress			
Matthew K	omiskey				(608)	84	7-7221	mk	mkomiskey@co.juneau.wi.us				
☐ For a pr	oject with	multiple site	locations, a	n aerial į	ohoto map	is a	attached with ea	ch site	e locatio	n labeled.			
<u> </u>		•											
Cita I annti-	n		·										
Site Location Name of Control		ecipient					Animal Units	•	Neares	st Receiving \	Waterbody	·	
		o o o provinc					170		1	•	,		
Township									aitude				
14	02	E	. 12		SW		SE			43.701		.2037	
Compliance			ANTENESS.			14 [1]	1				, ,		
Chs, NR 15		is. Adm. Co		letter ched				If no, tion	f no, Compliance determination ion letter attached				
Other						<u>•</u>	Yes O No						
Attached is a copy of the written statement the County provided to the landowner and cost-share recipient of the landowner's obligation to maintain compliance with performance standards & prohibitions on cropland and livestock facilities addressed by the cost-share agreement. Compliance at these sites must be maintained in perpetuity regardless of future cost sharing. The County has also placed a copy of this written statement in the County files.													
Summary o	f Results	-1									and the second		
Best Management Practice Installed Qu					Unit of Measure	Sta	Performance ndard/Prohibition Addressed	Total Installation Cost		Lo Phosphorus lbs/yr	oad Reduction Nitrogen Ibs/yr	on Sediment Tons/yr	
Roofs 1					No.	12	de(s)	\$77	,238.00	60.9		-	
Heavy Use Area Protection					Acres	11	de(s)	\$48,643.00		60.9			
Roof Runoff Systems 1					No.	8	le(s) \$2,009.00		,009.00	60.9			
	Critical Area Stabilization 1 Acres Code(s) \$2,788.00 60.9 Site Location Attachment - 1												
			Control of					(1 - 21 - 2)		Physical Section (1997)	erate e create e la	to the Audit State of the Line	
Check the b					attacned:	15	Z	an	ala B a	ما مداسم مسام			
	-	post-implen					Load reducti		_		:6	_1_1_	
		of site with B	eche in exercise on a line	d		L	en hand to all a sea to be a sea to a sea to a sea.	-		esults/summ	ary, ir applic	able	
Site Inform	ation - 1												

Wisconsin Department of Natural Resources Bureau of Watershed Management (WT/3) 101 S. Webster Street PO Box 7921 Madison, WI 53707-7921 dnr.wi.gov

Final Report
Agricultural Targeted Runoff Management &
Notice of Discharge Grant Programs Form 3400-189A (R 05/16) Page 2 of 2

Narrative space will expand to fit The pastured setting that was replaced by the new	y harmyard facility was a constant source of r	nhoanhoma du	es to unlimited
The pastured setting that was replaced by the new cattle access and unconfined manure application.	* *		
eliminate erosion, and allowed manure to be spre		tion to manage	II 010
	·		
DNR may use this site as a success story to meet	state and federal reporting needs.		
Additional Project Information and/or Comments			
Narrative space will expand to fit			
Grantee Certification			
A responsible government official (authorized signatory	v) must authorize and date the final report form pr	rior to submittal	to DNR.
I certify that, to the best of my knowledge, the project is correct and true.	• • • • • • • • • • • • • • • • • • • •		1
Name of Authorized Government Official	Title of Authorized Government Official	Dat	te
Matthew Komiskey	County Conservationist	11/	/29/2017
For DNR Use Only	en en en fant en		
Received complete reports with all attachments	Practices implemented were consistent wi	ith the grant agr	reement
Comments about this project:			
indraktika di Anglik Kabupatan ng pangangan na kabupatan ng pangan ng pangangan ng pangangan ng pangangan ng p Kabupatan ng pangangan ng pangan	yydd y dy y chiffyd diffgyd a diffyd y chiffyd y cyfrifigiai ac y cyfrifiai y y cyfrifiai flyddi y dydd y dif Rhiffyd y chiffyd y gaell y cyfri o diffyd y cyfrifiai y cyfr y cyfrifiai y y diffylliai y cyfr y cyfrifigiai		
	留手 电影声音器 医毛管 计表验证语		
			n erzne kannada i Kayada yayan (yaka l
t (f. 1776) i de la completa de la c La completa de la co	i kalakuluk (iso), daki kendilik di Kiristonia (iso), di Salakuluk (iso), di Salakuluk (iso), di Salakuluk (is Kalakuluk (iso), di Salakuluk () Skaladis (974) a kal Karamani kana	
Name of Region Nonpoint Source Coordinator		Date	
Name of region nonpoint could be constituted as	, ar fleigh ein feithig an lath, gir an thur an lite an mheireann lain an 1970 i sheile. 1970 Canaigh 11 an 11 a bhliain de Gaille (bhliain 1871) gaille ghligh gailteach tagail bai		hatta eraket Afrika era Afrika eraket Afrika
Send the Final Report and attachments to the Commu Grant Coordinator, Keep a printed copy for the Region	nity Financial Assistance Grants Manager and to	the Runoff Man	ıagement



Before Photos

Earthen behind born looking W/NW

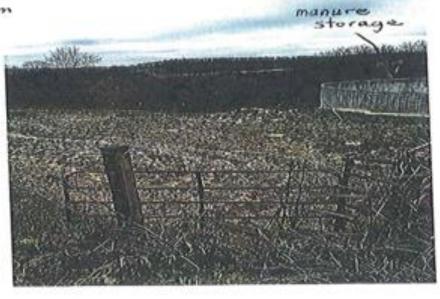
Draw to intermittent stream



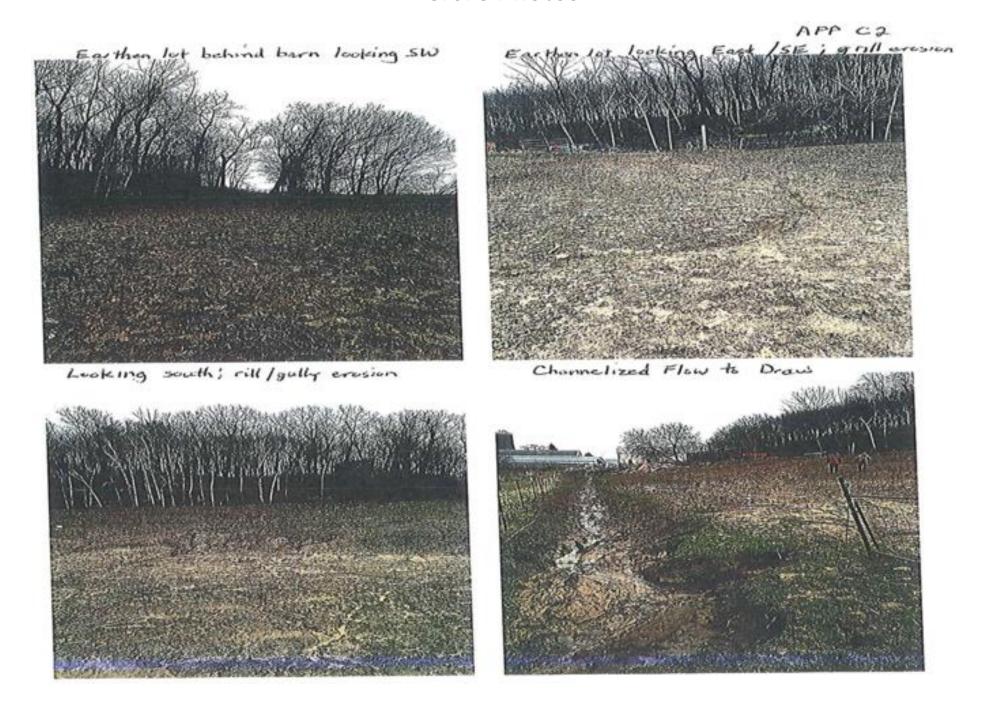
Earthen Lot Leoking West







Before Photos



R6 After Photo



R25, R11, R24 After Photo



R25, R11, R24 After Photo



State of Wisconsin Department of Natural Resources PO Box 7185, Madison, WI 53707-7185

Animal Unit Calculation Worksheet Form 3400-025A (R 3/2012)

dnr.wi.gov

The Current Animal Unit Calculation Worksheet must be filled out separately for the "main" site and each site which are owned or operated by your farm for the purposes of housing animals associated with your operation. The site name, for which you are filling this worksheet out, must be provided below and correlate with Form 3400-025 Site Information (Section II)

Jo	Current A		it calcula istings	HON INUM	Del 3		
			lixed Animal (Inits	II. Non-mixed Animal Units		
	Animal Type	b. Equiv.	c. Current Number	d. No. of AUs	e. Equiv. factor	f. Current Number 150,000	g. No. of Aus = 1200
ха	mple - Broilers (non-liquid manure):	0.005 x	150,000	<i>= 750</i>	0.008 x		
	Dairy/Beef Calves (under 400 lbs)	0.20 x			Fed.numbers in this column comply with 40 CFR s. 122.		
		1.40 ×	60	= 84	1.43 ×	60	= 86
3	Milking & Dry Cows Heifers (800 lbs to 1200 lbs)	1.10 ×		Ξ			
	Heifers (400 lbs to 800 lbs)	0.60 ×		=	1.00 ×		=
٦	Steers or Cows (400 lbs to market)	1.00 ×		=			
ממ	Bulls (each)	1.40 ×		-=	1.00 ×		=
Veal Calves		0.50 ×		5	1.00 ×		=
	Pigs (up to 55 lbs)	0.10 ×		=	0.10 ×		=
e e	Pigs (55 lbs to market)	0.40 ×	a a	=			
SWIDE	Sows (each)	0.40 ×		=	1		
	Boars (each)	0.50 x		=	0.40 ×		=
	Lavans (each) -non-liquid manure system	0.01 ×		=	0.0123 ×		=
Chickens	Broilers/Pullets (each) -non-liquid manure	0.005 ×	15.5	_ <	0.008 ×		=
	system Per Bird -liquid manure system	0.003 x	oriješi.		0.0333 ×		=
(0		0.2 x		=	0.2 x		=
Ducks		0.01 x	1000	=	0.0333 ×		=
_	Turkeys (each)	0.018 ×		=	0.018 ×		=
great a	Sheep (each)	0.1 ×		=	0.1 ×		=
	Horses (each)	2 x		=	2 x		=
Total Animal Units:		-	tal Mixed Anima (add all rows a		Total Non-Mixed Animal Units = 86 (Enter the single highest number from any row above; DO NOT add the totals)		

Check here if there are no proposed increases in animal numbers at this site within the next five years.

because the P output is too high.

Before Freatment DESIGN A BUFFER USING BARNY

Farmer: Randy Hastings Planner/Designer: B.G. Date: 4/13/16

RIBUTARY AREAS Tributary area: Runoff Curve Number: Roof Trib. area: O sq ft Goal: Zero Discharge Maximum P output that can be released Tributary area: 193,997 sq ft See RCN tab below for typical values 80.9 lbs P per year at downstream lot edge Your choice based on impacted resources. Max is 15.		100	Input	Output		1 Madison 2 Appleton
Earth lot area: Animal Lot size: Is there a designed settling basin? Animals on lot: Type of animal: 1,400 Lot Use: 2	Closest City of simil	ar climate:	1			
Is there a designed settling basin? Animals on lot: Type of animal: Ave. Animal Weight: Lot Use: 1,400 Ibs Tributary area: Runoff Curve Number: Roof Trib. area: 193,997 60 Sq ft 60.9 Ibs P per year at downstream lot edge Maximum P output that can be released Goal: Width: Buffer area: Slope: c value Yes= 1; No= 2 number (Dairy = 1; Beef=2) Ibs 1 = Heavy; 2=Med; 3= Light) See RCN tab below for typical values Your choice based on impacted resources. Max is 15. It width: It o sq ft NO GOOD, too small Minimum buffer size is 38,437 Slope: c value For c values see table below	Ear	th lot area:		38 437	sq ft	
Animal Circle Type of animal: Ave. Animal Weight: Lot Use: 2 RIBUTARY AREAS Tributary area: Runoff Curve Number: Roof Trib. area: O sq ft Maximum P output that can be released Buffer Sizing by trial and error: Length: Width: Buffer area: Some Ributary area: 193,997 60 sq ft See RCN tab below for typical values Your choice based on impacted resources. Max is 15. ft Width: Buffer area: Slope: c value For c values see table below For c values see table below			2		Yes= 1;	No= 2
RIBUTARY AREAS Tributary area: Runoff Curve Number: Roof Trib. area: O sq ft Goal: Maximum P output that can be released Suffer Sizing by trial and error: Length: Width: Buffer area: Slope: C value Tributary area: 193,997 60 sq ft See RCN tab below for typical values For c values see table below See RCN tab below for typical values See RCN tab below for typical values For c values see table below	Type of animal:	1				(Dairy = 1;Beef=2)
Runoff Curve Number: Roof Trib. area: O sq ft 60 See RCN tab below for typical values Roof Trib. area: O sq ft 60.9 lbs P per year at downstream lot edge Waximum P output that can be released Width: Length: Width: Buffer area: Slope: C value For c values see table below		100	bs		IDS	1= Heavy;2=Med;3= Light)
Length: Width: Buffer area: Slope: c value Width: The state of the		Yes a series				for typical values
c value For c values see table below	Maxim	of Trib. area: Goal: num P output	Zero Di			60.9 Ibs P per year at downstream lot edge Your choice based on impacted
P. Output: 60 9 lb	Maxim that can	Goal: num P output be released and error: Length: Width:	Zera Di	schorge ft ft	lbs 0 sqft	60.9 Ibs P per year at downstream lot edge Your choice based on impacted resources. Max is 15.
P Output	Maxim that can	Goal: num P output be released and error: Length: Width: Buffer area	Zero Di	schorge ft ft	0 sq ft Minimu	60.9 Ibs P per year at downstream lot edge Your choice based on impacted resources. Max is 15. NO GOOD, too small am buffer size is: 38,437

ft

ft

%

Length

Width

Slope

BUFFER SUMMARY

Post - treed ment DESIGN A BUFFER USING BARNY

DESIGN /	A BUFFEF	RUSING	BARNY	/		
Farmer: Randy Hastings	Planner/D	esigner: <mark>E</mark>	3.G	1111	Date:	4/13/16
	Input 1 0 1 number	1 rnyard	2	(Dairy	= 1;Beef=2 y;2=Med;3=	
TRIBUTARY AREAS Tributary area: Runoff Curve Number: Roof Trib. area Maximum P output that can be released	0 Cero Disc	sq ft sq ft	lbs	O. at do	for typical one of the second	r yeal lot edge n impacted
Buffer Sizing by trial and error: Length Width Buffer area Slope c value	nt a: e:	%		NO GOO n buffer size able below	DD, too sma	2
P Output:	3 lb'					- re chourn
BUFFER SUMMARY	Length Width Slope		ft ft %			ns are shown out is too high.