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 8/15) 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 Name & Location** Project Name Hellenbrand-Healy Projects Grant Number Governmental Unit Name TRC-LW-11000-14A Columbia County Land & Water Conservation Dept. County Watershed Name 12-Digit HUC Columbia Lake Wisconsin **Project Contact Name** Phone Number E-mail Address Kurt R. Calkins (608) 742-9670 kurt.calkins@co.columbia.wi.us For a project with multiple site locations, an aerial photo map is attached with each site location labeled.

Site Locatio	on - 1												
Name of Co	st-Share R	Recipient					Animal Units		Nearest Receiving Waterbody				
John D. Healy					179 N		Nortl	North Branch Duck Creek					
Township Range E / W Section			Quarter		Quarter/Quarter		Latitude		Lor	Longitude			
12	11	Е	5		NE		SE		43.534399		-89.	-89.214668	
Compliance	e Require	ments - 1											
				e letter Complia ched explai			ance achieved? If no, n in site information			Compliance determination letter attached			
NR 151			\boxtimes]		۲	Yes 🔿 No			\boxtimes			
obligat cost-sh	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	of Results	- 1											
Best Management Practice Installed			d	Quantity	Unit of Measure	Sta	Performance andard/Prohibition Addressed	Instal	otal lation ost	L Phosphorus Ibs/yr	oad Reductic Nitrogen Ibs/yr	on Sediment Tons/yr	
Manure Storage Systems			1	No.	6	de(s)	\$107	,215 <u>2</u>	150				
Critical Area Stabilization				1.1	Acres	Co 12	de(s)			62			
Site Locatio					St. Masarie								
Check the b	ox if the re	quired inform	nation for th	ie site is a	attached:								
Photos	of pre-and	post-implen	nentation of	BMP(s)		\geq	Load reduction	on mo	deling	documents			
Aerial p	hoto map	of site with E	MPs labele	d			Water quality	/ moni	toring	results/sumr	nary, if applic	cable	
Site Information													
helped with estimated 6	iry opera n in the el 500' from	tion of 100 imination c a wetland y	of a unlined was one co	l storage mponen	e/stacking t of a muc	are h l	ing stock. The ea which was in arger scale pro eted then a new	n very ject i	y sanc nstall	ly soils in a ed in conju	drainage panction with	ath the USDA-	
ensure an estimate 8 months storage. 'This will allow manure to be properly stored and applied according to the nutrient													

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management plan. Manure storage system is assumed to provide a minimum value of 150 lbs of P annual P runoff reductions based on average value of utilization of manure thru storage and NMP compliance.

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) must authorize and date the final report form prior to submittal to DNR. I certify that, to the best of my knowledge, the project is complete and the information contained in this final report and attachments are correct and true. Name of Authorized Government Official Title of Authorized Government Official Date

Name of Authorized	Government Offic
Kurt Calkins	

Director of Land & Water Conservation Department 02/

02/29/2016

For DNR Use Only	Currently Company in a second
Received complete reports with all attachments Received complemented were consistent	with the grant agreement
Comments about this project:	
and the second state of th	
A Station M. S. Station Constant Constant Station (A) 「「「「Antheory」」	
Name of Region Nonpoint Source Coordinator	Date
Mike Gilbertson	03/07/2016
Send the Final Report and attachments to the Community Financial Assistance Grants Manager and Grant Coordinator. Keep a printed copy for the Region file.	to the Runoff Management

John Healy Project

asture area will have adequate d at all timess & not be overgrazed limiting cattle numbers or following rotational grazing plan.

400 ft of animal tra

Culve

Roofed lo

Livestock Acc ess Contro Estimated 10 acres Fencing Estimated 5,000 ft for access control and rotational grazing options.

30' X 50' Heavy use area feeding area with buffer treatment area or runoff.

> Earthen and con heavy use area estimated conrete 75 'X 50' with sediment basin to buffer strip.

> > Critical area planting

Earthen exersice area will have a buffer system developed or the pasture area will have, adequate sod at all timess & not be overgrazed by limiting cattle numbers or following a rotational grazing plan.

> sisting manure stacking ion to be abandoned.

Culverts

cess Roads

Manure Management System 180 days storage with manure transfer system.

50' of underground outlets needed for buffers/vegetated treatment areas

Ν

Created By: Todd Rietmann Columbia County Land & Water Cons. Dept. 2007 Digital Ortho by :Columbia County

0 245 490 980 Feet 1

Land information Department

Hellenbrand-Healy Small Scale TMDL TRM Grant# TRC-LW-11000-14A

Before Pictures:





Unlined manure storage.



Unlined manure storage.



Youngstock area.

After Pictures:



New dry cow lot, filterstrip.



New youngstock cattle lane.



Closed manure storage.



New manure storage.



Re-seeded youngstock area.

OWNER: <u>Healy</u>		DESIGNER: CHK BY:			DATE:	1/0/1900
Closest City of similar climator	Input 1	Output		1 Madison 2 Appleton 3 Wausau		
Closest City of similar climate:	1			4 Eau Claire		
Paved lot area: Earth lot area:	43,560		sq ft sq ft			
Animal Lot size: Is there a DESIGNED settling basin	2	43,560	sq ft Yes= 1; N	o= 2		
Animals on lot: 50	number		number			
Type of animal: 1				(Dairy = 1;	Beef=2)	
Ave. Animal Weight: 900	lbs		lbs			
Lot Use: 1				1= Heavy; 2= I	Medium; 3= I	Light)
TRIBUTARY AREAS				sq ft fers Isleifers Lot Be		
Tributary area:		sq ft		sa ft	Foodin .	5 Area
Runoff Curve Number:		syn		syn fors) ()	·
Runon Garve Number.				Ler Be	fore	
Roof area:		sq ft		Lot		
		-4.0		(38.2) lb	s P per year D.S. Lot edg	in the second
Maximum permissible P Output that can be released		lbs		e based on imp s- Max is 15	acted	
				"c"	Value Table	
BUFFERS - Size by trial and error				Permanent	Meadow	0.59
				Woods, Hea	avy Litter	0.59
Length:		ft (See Not	e Below)	Woo	ds, Lt Ltr	0.29
First Buffer Slope:				Well managed	l grazing	0.44
" c " :				Fair managed	l grazing	0.29
					Pasture	0.22
Length:		ft			Pasture	0.15
Second Buffer Slope:					all Grain	0.29
"c" :					Legume	0.29
				Contoured R	ow Crop	0.29
P (lbs) after the buffers: NO GOOD - Too much	38.2 P released	lbs P pe	er year	Non-contoured	row crop	0.05
BUFFER SIZING Chosen Buffer Width		43,560 feet		Min. Acceptabl		
Chosen Buffer Length	1	0 #DIV/0! feet	feet feet #DIV/0!	Min. Bfr. Len. E Min. Bfr. Len. E		

OWNER: <u>Healy</u>	C	DESIGNER:			DATE: 1/0/1900	
		CHK BY:			DATE:	
	Input	Output		Madison		
Closest City of similar climate:	1			Appleton Wausau		
Closest City of similar climate.	'			Eau Claire		
Paved lot area:			sq ft	Edd oldro		
Earth lot area:	43,560		sq ft			
Animal Lot size:		43,560	sq ft			
Is there a DESIGNED settling basin	2		Yes= 1; No)= 2	90 -	
Animals on lot: 0	number		number		w.	
Type of animal: 1				(Dairy = 1;	Beef=2)	
Ave. Animal Weight: 900	lbs		lbs			
Lot Use: 1				1= Heavy; 2= Medium; 3= Light)		
TRIBUTARY AREAS						d
Tributary area:		sq ft		sq ft	remove	5
Runoff Curve Number:				Heitans	and Q	
Deef eree:		o <i>a</i> #		fromA	Coder	ldawn
Roof area:		sq ft		sq ft Heifens Evon A	s P per year	
				0.0 10	D.S. Lot edg	
Maximum permissible P Output		lbs	Your choice	e based on imp	acted	
that can be released		105		s- Max is 15		
				"c" `	Value Table	
BUFFERS - Size by trial and error				Permanent		0.59
				Woods, Hea	-	0.59
Length		ft (See Not	e Below)		ds, Lt Ltr	0.29
First Buffer Slope				Well managed		0.44
"c" 👔				Fair managed	• •	0.29
			4		Pasture	0.22
Length:		ft			Pasture	0.15
Second Buffer Slope:					all Grain	0.29
"c" :					Legume	0.29
	0.0	lhe D re		Contoured R	•	0.29
P (lbs) after the buffers:	0.0	lbs P pe	-	Non-contoured		0.05
GOOD - Buffer length, s	slope, and t	ype is OK; j	proceed wit	h final area sizir	ng calcs belo	OW.
BUFFER SIZING		43,560	sq ft	Min. Acceptable	e Buffer Are	a
Chosen Buffer Width		feet				
			feet	Min. Bfr. Len. E	Based on B/	ARNY
		#DIV/0!	feet	Min. Bfr. Len. E		
Chosen Buffer Length		feet	#DIV/0!			

OWNER: Healy		DESIGNER: TAR					1/0/1900
		استعد	CHK BY:		4 Madiaan	DATE:	
		Input	Output		1 Madison 2 Appleton		
Closest City of simila	r climate:	1			3 Wausau	K	
Closest City of Simila	oinnate.		3		4 Eau Claire		
Paved	lot area:			sq ft			
	lot area:	12,000		sq ft			
	Lot size:		12,000				
Is there a DESIGNED set	tling basin	2		Yes= 1; 1	No= 2		
Animals on lot:	20 ni	umber		number			
Type of animal:	1				(Dairy = 1;	Beef=2)	
Ave. Animal Weight:	1,400 lb	S		lbs			
Lot Use:	1				1= Heavy; 2= N	/ledium; 3= I	Light)
TRIBUTARY AREAS							
	ary area:		sq ft		sq ft	1 +	
Runoff Curve	-				nay Cou	N 101	
					sq ft pry Con Feeding	Ared	
R	oof area:		sq ft		Feeding		
					23.8)lb	s P per year D.S. Lot edg	
Maximum permissible	P Output		lbs	Your choi	ce based on impa	acted	
that can be					es- Max is 15	10100	8
BUFFERS - Size by trial a	and error				Permanent	Value Table	0.59
DOI 1 ENG - SIZE by Illar					Woods, Hea		0.59
	Length:		ft (See Not	e Below)		ds, Lt Ltr	0.29
First Buffer	Slope:			e Doloti)	Well managed		0.44
	"C" :		>		Fair managed		0.29
					-	Pasture	0.22
	Length:		ft			Pasture	0.15
Second Buffer	Slope:					all Grain	0.29
	"c" :					Legume	0.29
					Contoured R	-	0.29
P (lbs) after the b	uffers:	23.8	lbs P pe	er vear	Non-contoured r	row crop	0.05
NO GOOD - 1				, jour			0.00
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Chosen Buffer	Length		feet	#DIV/0!			

OWNER: Healy		DE	ESIGNER:			DATE: 1/0/1900		
		In a st	CHK BY:			DATE:		
		Input	Output		1 Madison 2 Appleton			
Closest City of similar	climate:	1			3 Wausau			
3					4 Eau Claire			
Paved I	ot area:			sq ft				
	ot area:	12,000		sq ft				
Animal L			12,000	•				
Is there a DESIGNED settli	ng basin	2		Yes= 1; N	10= 2			
Animals on lot:	0 n	umber		number				
Type of animal:	1				(Dairy = 1;	Beef=2))	
Ave. Animal Weight:	1,400 lb	S		lbs				
Lot Use:	1				1= Heavy; 2= Medium; 3= L		Light)	
TRIBUTARY AREAS								
Tributa	ry area:	5	sq ft		sq ft			
Runoff Curve N					DAV CO	w Are	a	
					sq ft Pry Con After			
Ro	of area:	5	sq ft					
						P per yea	Section and the section of the secti	
						0.S. Lot edg	ge:	
Maximum permissible P	Output	lk	DS	Your choic	ce based on impa	cted		
that can be re	•				es- Max is 15			
						-		
BUFFERS - Size by trial ar	d error				Permanent	/alue Table	0.59	
					Woods, Hea	-	0.59	
	_ength:	f	t (See Not	e Below)		s, Lt Ltr	0.29	
First Buffer	Slope:			,	Well managed		0.44	
	"c" :				Fair managed		0.29	
					-	Pasture	0.22	
	.ength:	f	ť		Fair	Pasture	0.15	
Second Buffer	Slope:				Sma	all Grain	0.29	
	"c" :					_egume	0.29	
					Contoured Ro	ow Crop	0.29	
P (lbs) after the bu	iffers:	0.0	lbs P pe	er year	Non-contoured re	ow crop	0.05	
GOOD - Buffer	length, slo	ope, and ty	pe is OK;	proceed wi	ith final area sizin	g calcs bel	ow.	
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			0 #DIV/0!	feet feet	Min. Bfr. Len. B Min. Bfr. Len. B			
Chosen Buffer Lo	ength	fe	et	#DIV/0!				



608-742-9670 FAX: 608-742-9840 E-MAIL: land.conservation@co.columbia.wi.us WEBSITE: www.co.columbia.wi.us

Land & Water Conservation

120 West Conant Street P.O. Box 485 Portage, WI 53901

January 20, 2016

John D. Healv N4297 county Hwy P Cambria, WI 53923

RE: Satisfaction of NR151 Water Quality Performance Standard Issue's

John,

This letter is to inform you that your livestock operation has satisfied the notices of violations regarding the State of Wisconsin NR 151 Water Quality Performance Standards. Through your cooperation we were able to use Targeted Runoff Management funding to address issues related to NR 151.05 (Manure Storage Structure Performance Standards), NR 151.055 (Process Wastewater Handling Performance Standard), NR151.06 (Clean Water Diversion Performance Standard), NR 151.07 (Requirement to develop and land apply nutrients in accordance with a 590 Nutrient Management plan), and NR 151.08 (Manure Management Prohibitions). You are required to keep your facility in compliance with these provisions.

Should any guestions come up or you see some challenges of management changes on the horizon, I urge you to contact our office as soon as possible so we can work with you to maintain compliance.

Thank you for your cooperation and financial input into this project. These projects are successful because of the collaboration between existing financial programs to assist farmers with these projects and commitment from landowners like you.

If you have questions feel free to contact me at 608-742-9675.

Sincerely,

1000

Todd Rietmann, Conservation Specialist Columbia County Land & Water Conservation Dept.



608-742-9670 FAX: 608-742-9840 E-MAIL: land.conservation@co.columbia.wi.us WEBSITE: www.co.columbia.wi.us

Land & Water Conservation

120 West Conant Street P.O. Box 485 Portage, WI 53901

January 20, 2016

John D. Healy N4297 County Hwy P Cambria, WI 53923

SUBJECT: Cost Sharing per (LWRM) Land & Water Resource Management

John,

Enclosed is the cost share reimbursement for the Waste Management Systems that you just completed on your property. See enclosed summary of eligible LWRM construction bills submitted. The cost share reimbursement is for \$39,180.31 which was the maximum the grant allows.

You are required to follow all the operation and maintenance plans per each conservation practices installed. Per Columbia Animal Waste Management Ordinance you are required to maintain all safety features for your manure storage structure and also submit your nutrient management checklist yearly for your operation. Submittal of this checklist also allows you to maintain your eligibility for the Farmland Preservation Program.

If you have any more conservation needs for other conservation practices or questions, please call me at (608) 742-9670.

Thanks

, Id A

Todd Rietmann, Conservation Specialist Columbia County Land & Water Conservation Dept.