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 Non	point Sour	ce Coordinat	or. Please	read all ir	nstructions	prio	r to completion.							
Grant Type														
Select Grant	Type Sn	nall Scale N	Ion Total I	Maximu	m Daily I	oad	(TMDL)							
Project Nar		ation												
Project Nam	е													
Hendrickso		e Storage M	l anagemer	nt										
Grant Number Governmental Unit Name														
TRC-LW2	0-11000-	13D			Columbia Cour				ty LWCD					
County				Water	Watershed Name				12-Digit HUC					
Columbia					Duck Creek/Rocky Run				070700050102					
Project Contact Name				Phone	Phone Number			E-mail Address						
Kurt Calkii	1S				(608)	742	-9670	kurt.ca	alkins	@co.colu	mbia.wi.us			
☐ For a pi	oject with	multiple site	locations, a	an aerial į	ohoto map	is at	ttached with ead	ch site lo	cation	labeled.				
	a													
Site Location	on - 1	V955-35-59			S 2.5700%	W-51		18.312.35 to			Y SERVER			
Name of Co		ecipient			Animal Units			Nearest Receiving Waterbody						
Philip and	Elaine He	ndrickson					150	Duck Creek						
Township				ı	Quarter		Quarter/Quarter		La			ngitude		
12	11	Е	12		NE	NE SW			43.5225		-89.1378			
Compliance	e Require	ments - 1						4.00	10.36					
Chs. NR 151 or 243 Wis. Adm. Code Notice Notice Type								If no, Com		Complia let	pliance determination letter attached			
NR 151			\boxtimes		Yes No									
obligat cost-sh	ion to mair are agree	ntain complia	ince with pe liance at the	erformand ese sites	ce standard must be m	ds & nainta	to the landowne prohibitions on ained in perpetu es.	cropland	d and I	ivestock fa	cilities addre	essed by the		
Summary o	f Results	- 1				10/4			ماندوا					
v 2 22 2				Quantity	Unit of Measure	Star	Performance ndard/Prohibition Addressed	Total Installat Cost	ion Ph	Lo losphorus lbs/yr	oad Reduction Nitrogen Ibs/yr	on Sediment Tons/yr		
Diversions				330	Feet	Coc 8,12	de(s) 2			20.5	335-21-1			
Critical Area Stabilization				1.6	Acres	Coc 12	de(s)			63.8				
Roof Runoff Systems				1	No.	Coc 8,12	de(s) 2			9.5				
Livestock Fencing				530	Feet	12	de(s)							
Manure Storage Systems				1	No.	9,4		\$267,36	8.0	150				
Waste Transfer Systems				1	No.	Coc 4,9	le(s)		*					
Site Location			98 50 50						STAP.					
Check the b		<i>a</i>			attached:	K	a	25 A.S.	y 6	ε.				
Photos of pre-and post-implementation of BMP(s) Load reduction modeling documents														
		of site with B	MPs labele	d	Z 2 . N. 1		Water quality	monitor	ing res	sults/summ	ary, if applic	able		
Site Inform	ation - 1													

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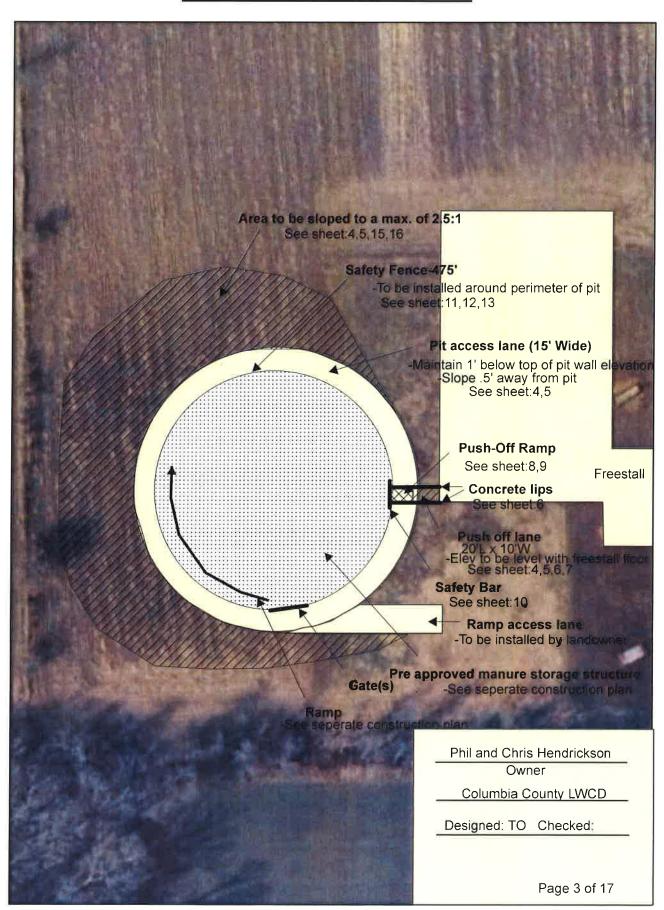
Narrative space will expand to fit A TRM grant was applied for to address a lot ru	noff issue as well as to help the landowner	r to be able to comply with his		
nutrient management plan. To address the lot ru				
the pollutant load from discharging into a nearby				
system was installed giving the landowner 9 mo				
avoid winter application of liquid manure.		and the same of th		
DNR may use this site as a success story to mee	et state and federal reporting needs.			
2 41				
Additional Project Information and/or Comments	网络图像 中央中央的各种企业			
Narrative space will expand to fit				
Grantee Certification				
A responsible government official (authorized signator	ry) must authorize and date the final report for	n prior to submittal to DNR.		
I certify that, to the best of my knowledge, the project correct and true.	is complete and the information contained in the	nis final report and attachments are		
Name of Authorized Government Official	Title of Authorized Government Official	Date		
Kurt Calkins	art Calkins LWCD Director			
For DNR Use Only				
Received complete reports with all attachments	Practices implemented were consiste	nt with the grant agreement		
Comments about this project:	We number of the second	Late V. Laures Landauer		
Bullet E Star				
Name of Decision Name int Course Course to				
Name of Region Nonpoint Source Coordinator Mike Gilbertson		Date 02/00/2016		
		03/09/2016		
Send the Final Report and attachments to the Comm Grant Coordinator. Keep a printed copy for the Regio	unity Financiai Assistance Grants Manager an n file.	α to the Runoπ Management		
9				

Plan View





Manure Storage Siting Plan View





Hendrickson Manure Storage Management TRM #TRC-LW20-11000-13D Photo Documentation



Barn before gutter installation



Barn after gutter installation



Manure transfer system



Manure storage



Runoff diversion



Livestock fencing

Existing

BUFFER DESIGN USING BARNY

OWNER: Phil Hendric	E	DESIGNER:			DATE:	4/28/2015	
		Input	CHK BY: Output		1 Madison 2 Appleton	DATE: _	
Closest City of simil	1			3 Wausau 4 Eau Claire			
Ear	ed lot area: th lot area: al Lot size:	6,392 126,948		sq ft sq ft			
Is there a DESIGNED se		2		Yes= 1;	No= 2		
Animals on lot:		number		number			
Type of animal: Ave. Animal Weight:	500	lbs	2 1,150		(Dairy = 1;	Beef=2	2)
Lot Use:	2		,,,,,,		1= Heavy; 2= I	Medium; 3	B= Light)
TRIBUTARY AREAS							
	utary area: e Number:	203,018 74	sq ft		sq ft		
	Roof area:	5,330	sq ft		108.0 lb	s P per ye	ear
Maximum permissible that can be	•	15	lbs		ice based on impo ces- Max is 15	acted	
					"c" '	Value Table	e
BUFFERS - Size by trial	and error				Permanent		0.59
	Length:		ft (See Not	e Below)	Woods, Hea	avy Litter ds, Lt Ltr	0.59 0.29
First Buffer	Slope:		it (See Not	.e Delow)	Well managed	-	0.29
	"c" :				Fair managed	-	0.29
						Pasture	0.22
	Length:		ft		Fair	Pasture	0.15
Second Buffer	Slope:				Sm	all Grain	0.29
	"c" :					Legume	0.29
	_				Contoured R	ow Crop	0.29
P (lbs) after the NO GOOD -	-	108.0 P released	lbs P pe	er year	Non-contoured	row crop	0.05
BUFFER SIZING Chosen Buffe	_	-	136,536 feet	sq ft	Min. Acceptabl	e Buffer A	леа
				feet	Min. Bfr. Len. E		
01- 5.5			#DIV/0!	feet	Min. Bfr. Len. E	Based on A	Area
Chosen Buffer	Length		feet	#DIV/0!			

BUFFER DESIGN USING BARNY

Planned

OWNER: Phil Hendrick	С	ESIGNER: CHK BY:		DATE: <u>4/28/2015</u> DATE:			
		Input	Output	X 	1 Madison	D/(12,	
Closest City of simila	ır climate:	1			2 Appleton 3 Wausau		
Davie		0.705		4	4 Eau Claire		
	d lot area:	8,785 46,930		sq ft sq ft			
	Lot size:	40,330	55,715	-			
Is there a DESIGNED se		2	00,110	Yes= 1; I	No= 2		
Animals on lot:	40	number	52	number			
Type of animal:	2		2		(Dairy = 1;	Beef=2)
Ave. Animal Weight:	500	lbs	1,150	lbs			
Lot Use:	2				1= Heavy; 2=	Medium; 3:	= Light)
TRIBUTARY AREAS		00.050					
Runoff Curve	tary area: Number:	29,650 74	sq π		sq ft		
_	loof area:		00 ft				
	dol area.		sq ft		89.3 lb	s P per yea	ar
						D.S. Lot ed	
Maximum permissible that can be	•	15	lbs		ice based on imp es- Max is 15	acted	
triat Carr De	released			resourc	es- Iviax is 13		
					"c"	Value Table	
BUFFERS - Size by trial	and error				Permanent	Meadow	0.59
					Woods, Hea	avy Litter	0.59
	Length:		ft (See Not	te Below)	1	ds, Lt Ltr	0.29
First Buffer	Slope:	2.1	%		Well managed		0.44
	"c" :	0.44			Fair managed		0.29
						l Pasture	0.22
0 15 %	Length:		ft			Pasture	0.15
Second Buffer	Slope:				Sm	all Grain	0.29
	"c" :				0	Legume	0.29
D (lba) offer the h	oufforo: [14.2	lha D n	or voor	Contoured R	•	0.29
P (lbs) after the b		14.2	Ibs P pe	•	Non-contoured		0.05
GOOD - Buffe	er length, s	slope, and t	ype is OK;	proceed w	vith final area sizi	ng calcs be	elow.
BUFFER SIZING Chosen Buffe	r Width[307	60,108 feet	sq ft	Min. Acceptabl	e Buffer Ar	rea
				feet feet	Min. Bfr. Len. E Min. Bfr. Len. E		

Multiple buffering opportunities in adjacent fields also



608-742-9670 FAX: 608-742-9840

E-MAIL: land.conservation@co.columbia.wi_us

WEBSITE: www.co.columbia.wi.us

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

January 27, 2016

Philip and Elaine Hendrickson N6787 County Hwy. B Cambria, WI 53923

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

Phil,

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 **151.05** (*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 questions 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,

Kurt R. Calkins, Director

Columbia County Land & Water Conservation Dept.