

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 Name & Location							
Project Name Veriha Farm Manure Management							
Grant Number TRC-GB13-38000-15				Governmental Unit Name Marinette County			
County Marinette		Watershed Name Wausaukee and Lower Menomin			12-Digit HUC 040301080913		
Project Contact Name Greg Cleereman			Phone Number (715) 732-7783		E-mail Address gcleereman@marinettecounty.com		
<input type="checkbox"/> For a project with multiple site locations, an aerial photo map is attached with each site location labeled.							

Site Location - 1							
Name of Cost-Share Recipient Lee Veriha					Animal Units 104	Nearest Receiving Waterbody Menominee River	
Township 32	Range 22	E / W E	Section 14	Quarter SW	Quarter/Quarter SW	Latitude 45.234135	Longitude -87.733031
Compliance Requirements - 1							
Chs. NR 151 or 243 Wis. Adm. Code Notice Type		Notice letter attached <input type="checkbox"/>	Compliance achieved? If no, explain in site information <input checked="" type="radio"/> Yes <input type="radio"/> No			Compliance determination letter attached <input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> 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 of Results - 1							
Best Management Practice Installed	Quantity	Unit of Measure	Performance Standard/Prohibition Addressed	Total Installation Cost	Load Reduction		
					Phosphorus lbs/yr	Nitrogen lbs/yr	Sediment Tons/yr
Manure Storage Systems	1	No.	Code(s) 4	\$59,410.00	626.8	1608.8	142.4
Barnyard Runoff Control Systems	1	No.	Code(s) 12	\$122,981.00	68.7		
Roofs	1	No.	Code(s) 4	\$59,411.00			
Roofs	1	No.	Code(s) 12	\$36,363.00			
Nutrient Management	194	Acres	Code(s) 9	\$0.00			

Site Location Attachment - 1	
Check the box if the required information for the site is attached:	
<input checked="" type="checkbox"/> Photos of pre-and post-implementation of BMP(s)	<input checked="" type="checkbox"/> Load reduction modeling documents
<input checked="" type="checkbox"/> Aerial photo map of site with BMPs labeled	<input type="checkbox"/> Water quality monitoring results/summary, if applicable

Site Information - 1

Narrative space will expand to fit
 There were no significant challenge encountered during the project construction phase. This project will fit in well with the producers management regime and future plans for his operation.

The completed project will eliminate winter feeding of cattle on snow covered and frozen ground. It will also result in a total elimination of contaminated runoff from the barnyard. All manure, urine and bedding will be captured and stored in the roofed manure storage facility for spreading under an590 compliant nutrient management plan.

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
Gregory G. Cleereman	Land Information Department Director	12/21/2017

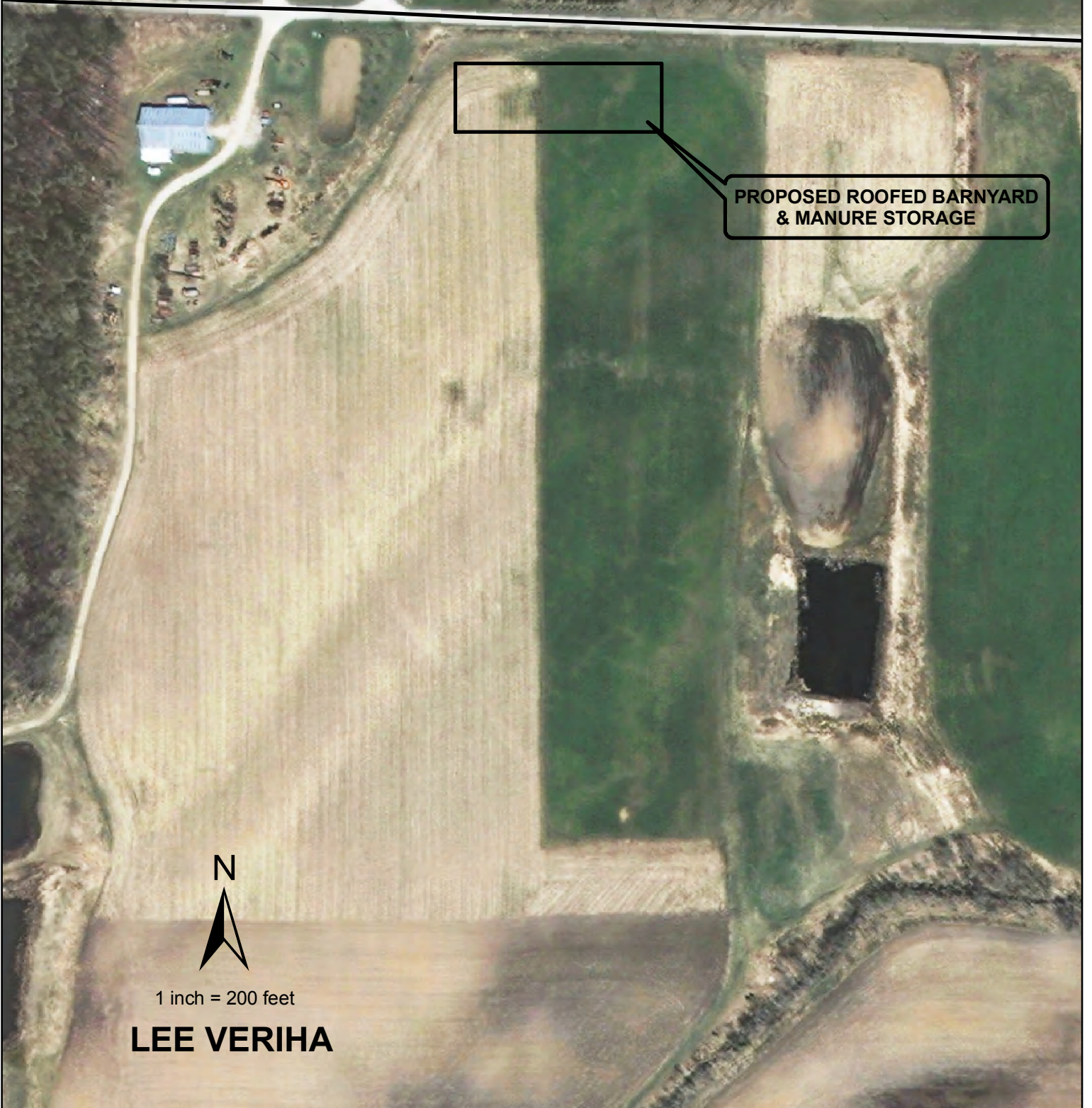
For DNR Use Only

Received complete reports with all attachments Practices implemented were consistent with the grant agreement

Comments about this project:

Name of Region Nonpoint Source Coordinator: Erin Carviou Date: 01/02/2018

Send the Final Report and attachments to the Community Financial Assistance Grants Manager and to the Runoff Management Grant Coordinator. Keep a printed copy for the Region file.



PROPOSED ROOFED BARNYARD
& MANURE STORAGE



1 inch = 200 feet

LEE VERIHA

ABANDONED MANURE
STACKING SLAB

50' X 128'
ROOFED BARNYARD

50' X 120' X 4' DEEP
ROOFED MANURE STORAGE


NORTH
1 in = 200 ft

LEE VERIHA

Veriha TRC-GB13-38000-15 Post Project Photos



This view shows the finished roofed barnyard and roofed manure storage. After harvest, hay is placed in the roofed manure storage. As the stored feed is removed for cattle utilization, it is replaced with manure deposited by the cattle as they feed under the roofed barnyard. As it accumulates, manure is pushed east into the manure storage for stacking. This management system is the easiest for the producer and results in the most environmental benefits.



EXISTING BUFFER P OUTPUT (Based on BARNY)

Farmer: Lee Veriha

Planner/Designer: pk

Date: 1/2/18

	Input	Output	
Closest City of similar climate:	3		1 Madison 2 Appleton 3 Wausau 4 Eau Claire
Paved lot area:			sq ft
Earth lot area:	10,000		sq ft
Animal Lot size:		10,000	sq ft
Is there a designed settling basin?	2		Yes= 1; No= 2
Animals on lot:	50	50	number
Type of animal:	2	2	(Dairy = 1; Beef=2)
Ave. Animal Weight:	1,200	600	lbs
Lot Use:	1		1= Heavy;2=Med;3= Light)

TRIBUTARY AREAS

Tributary area:	20,000	sq ft			
Runoff Curve Number:	88			←	See RCN tab below for typical values
Roof Trib. area:		sq ft			

72.3 lbs P per year
at downstream lot edge

Enter Existing Buffer Data:

Length:	300	ft			
Width:	5	ft			
Buffer area:					
Slope:	2	%			
c value:	0.05		For c values see table below		

P Output: 68.7 lb

EXISTING BUFFER P OUTPUT (Based on BARNY)

Farmer: Lee Veriha

Planner/Designer: pk

Date: 1/2/18

	Input	Output	
Closest City of similar climate:	3		1 Madison 2 Appleton 3 Wausau 4 Eau Claire
Paved lot area:	6,091		sq ft
Earth lot area:			sq ft
Animal Lot size:		6,091	sq ft
Is there a designed settling basin?	2		Yes= 1; No= 2
Animals on lot:	50	50	number
Type of animal:	2	2	(Dairy = 1; Beef=2)
Ave. Animal Weight:	1,400	600	lbs
Lot Use:	1		1= Heavy; 2=Med; 3= Light)

TRIBUTARY AREAS

Tributary area: sq ft sq ft

Runoff Curve Number: ← See RCN tab below for typical values

Roof Trib. area: sq ft

33.6 lbs P per year
at downstream lot edge

Enter Existing Buffer Data:

Length: ft

Width: ft

Buffer area:

Slope: %

c value: For c values see table below

P Output: lb

Total Load This is the summary of annual nutrient and sediment load for each subwatershed. This sheet is initially protected.

1. Total load by subwatershed(s)

Watershed	N Load (no BMP)	P Load (no BMP)	BOD Load (no BMP)	Sediment Load (no BMP)	N Reduction	P Reduction	BOD Reduction	Sediment Reduction	N Load (with BMP)	P Load (with BMP)	BOD (with BMP)	Sediment Load (with BMP)	%N Reduced	%P Reduced	%BOD Reduced	%Sed Reduced
	lb/year	lb/year	lb/year	t/year	lb/year	lb/year	lb/year	t/year	lb/year	lb/year	lb/year	t/year	%	%	%	%
40301080913	3536.7	931.4	5561.4	189.8	1608.8	626.8	911.2	142.4	1927.9	304.5	4650.2	47.5	45.5	67.3	16.4	75.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	3536.7	931.4	5561.4	189.8	1608.8	626.8	911.2	142.4	1927.9	304.5	4650.2	47.5	45.5	67.3	16.4	75.0

c. Nutrient and sediment load by land uses with BMP (lb/year)

Watershed	Urban				Cropland				Pastureland				Forest			
	N	P	BOD	Sediment	N	P	BOD	Sediment	N	P	BOD	Sediment	N	P	BOD	Sediment
	0.0	0.0	0.0	0.0	1818.1	293.6	3918.3	94912.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.0	0.0	0.0	1818.1	293.6	3918.3	94912.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2. Total load by land uses (with BMP)

Sources	N Load (lb/yr)	P Load (lb/yr)	BOD Load (lb/yr)	Sediment Load (t/yr)
Urban	0.00	0.00	0.00	0.00
Cropland	1818.11	293.56	3918.35	47.46
Pastureland	0.00	0.00	0.00	0.00
Forest	0.00	0.00	0.00	0.00
Feedlots	109.78	10.98	731.85	0.00
User Defined	0.00	0.00	0.00	0.00
Septic	0.00	0.00	0.00	0.00
Gully	0.00	0.00	0.00	0.00
Streambank	0.00	0.00	0.00	0.00
Groundwater	0.00	0.00	0.00	0.00
Total	1927.89	304.54	4650.20	47.46



LAND INFORMATION DEPARTMENT

Greg Cleereman
Director/Conservationist

Timothy Oestreich
Assistant Director

Tina Barnes
Property Lister

Paul Klose
Mar-Oco Landfill

December 28, 2017

Lee Veriha
Veriha Farms
W2834 Veriha Road
Porterfield, WI 54159-9502

Subject: Performance Standards and Prohibitions

Mr. Veriha,

Thank you for your recent efforts to protect our County's water resources. The Wisconsin DNR requires us to acknowledge you have successfully implemented nonpoint source pollution control best management practices on your farm under the Targeted Runoff Management Program cost-share agreement 15-VerihaL-01 signed 3/13/2017. Installing practices under this agreement has brought you into compliance with performance standards and prohibitions as described in the table below.

Name and Citation of Standard/Prohibition	Identification of Parcel(s) Where Compliance Was Achieved
NR 151.05 Manure Storage Facilities, NR 151.08(4) Manure Management Prohibitions, & NR 151.07 Nutrient Management	026-01215.000

In accordance with ch. NR 151, Wis. Adm. Code, any cropland practice or livestock facility brought into compliance with a state performance standard or prohibition must remain in compliance in perpetuity regardless of future cost sharing. Since you are now deemed in compliance with state standards and prohibitions as identified above, it is required that you and any future landowners or operators maintain compliance with the standards and prohibitions at the parcels identified.

This letter only addresses the compliance status on your farm resulting from practices installed under the cost share agreement identified above. There may be additional information on file for your farm concerning your compliance status with state performance standards and prohibitions. If you have any further questions, please contact me at 715-732-7783 or gcleereman@marinettecounty.com.

Sincerely,


Greg Cleereman
Marinette County Conservationist

Cc: Erin Carviou- NER WDNR

