

**Final Report**

**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 Maple Creek - Milk Flow Holsteins		
Grant Number TRC-WR09-68000-11A	Governmental Unit Name Waupaca County Land & Water Conservation Dept.	
County Waupaca	Watershed Name Embarrass	12-Digit HUC 040302021302
Project Contact Name Brian Haase	Phone Number (715) 258-6482	E-mail Address brian.haase@co.waupaca.wi.us
<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 Catherine Tank					Animal Units 299	Nearest Receiving Waterbody Maple Creek	
Township 23	Range 14	E / W E	Section 33	Quarter NE	Quarter/Quarter NE	Latitude 44.4277	Longitude -88.7989
Compliance Requirements - 1							
Chs. NR 151 or 243 Wis. Adm. Code Notice Type Other		Notice letter attached <input checked="" type="checkbox"/>	Compliance achieved? If no, explain in site information <input checked="" type="radio"/> Yes <input type="radio"/> No			Compliance determination letter attached <input 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	Phosphorus lbs/yr	Nitrogen lbs/yr	Sediment Tons/yr
Manure Storage Systems	1	No.	Code(s) 3,4,9,7	\$114,302.4 <sup>+</sup>			
Nutrient Management	263	Acres	Code(s) 3,9	\$0.00			
Barnyard Runoff Control Systems	1	No.	Code(s) 8	\$22,657.67 <sup>+</sup>	35.3		
Waste Transfer Systems	1	No.	Code(s) 9,4,3	\$130,420.0 <sup>+</sup>			
Milking Center Waste Control Systems	1	No.	Code(s) 3,4,9,7	\$4,860.00			

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	

## Final Report

*Narrative space will expand to fit*

Cathy Tank's project replaced a small non conforming manure storage structure that had about 30-45 days capacity with a 7 month storage unit built to NRCS 313 standards. Multiple transfers were retrofitted into the existing freestall barn and the old barn where the parlor is located. Additionally, an internally drained area of the farm that had been acting as essentially an illegal manure storage pond was removed and mitigated. Roof gutters and underground outlets were installed as well as some barnyard flat work and walls to keep future manure and clean water out of the internally drained area. The Tank farm now has ample ability to meet its Nutrient Management plan and spreading restrictions.

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

*Erin Hanson*

Title of Authorized Government Official

County Conservationist

Date

*2-18-16*

### For DNR Use Only

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

Comments about this project:

None

Name of Region Nonpoint Source Coordinator

Erin Hanson

Date

03/02/16

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.

# BUFFER DESIGN USING BARNY

Farmer: Cathy Tank

Planner/Designer: \_\_\_\_\_

Date: 2/25/16

	Input	Output	
Closest City of similar climate:	<input type="text" value="2"/>		1 Madison 2 Appleton 3 Wausau 4 Eau Claire
Paved lot area:	<input type="text" value="6,220"/>		sq ft
Earth lot area:	<input type="text"/>		sq ft
Animal Lot size:		6,220	sq ft
Is there a DESIGNED settling basin	<input type="text" value="2"/>		Yes= 1; No= 2
Animals on lot:	<input type="text" value="20"/>	<input type="text"/>	number number
Type of animal:	<input type="text" value="1"/>		( Dairy = 1; Beef=2 )
Ave. Animal Weight:	<input type="text" value="700"/>	<input type="text"/>	lbs lbs
Lot Use:	<input type="text" value="1"/>		1= Heavy; 2= Medium; 3= Light)

**TRIBUTARY AREAS**

Tributary area:  sq ft       sq ft

Runoff Curve Number:

Roof area:  sq ft

35.3 lbs P per year  
at D.S. Lot edge:

Maximum permissible P Output  lbs      Your choice based on impacted resources- Max is 15

that can be released

<p><b>BUFFERS - Size by trial and error</b></p> <p>First Buffer      Length: <input type="text" value="0"/> ft (See Note Below)</p> <p style="margin-left: 40px;">Slope: _____</p> <p style="margin-left: 40px;">"c" : <input type="text"/>      →</p> <p>Second Buffer      Length: <input type="text"/> ft</p> <p style="margin-left: 40px;">Slope: _____</p> <p style="margin-left: 40px;">"c" : <input type="text"/></p> <p>P (lbs) after the buffers: <input style="border: 2px solid black;" type="text" value="35.3"/> lbs P per year</p>	<p style="text-align: center; font-weight: bold;">"c" Value Table</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr><td>Permanent Meadow</td><td style="text-align: right;">0.59</td></tr> <tr><td>Woods, Heavy Litter</td><td style="text-align: right;">0.59</td></tr> <tr><td>Woods, Lt Ltr</td><td style="text-align: right;">0.29</td></tr> <tr><td>Well managed grazing</td><td style="text-align: right;">0.44</td></tr> <tr><td>Fair managed grazing</td><td style="text-align: right;">0.29</td></tr> <tr><td>Good Pasture</td><td style="text-align: right;">0.22</td></tr> <tr><td>Fair Pasture</td><td style="text-align: right;">0.15</td></tr> <tr><td>Small Grain</td><td style="text-align: right;">0.29</td></tr> <tr><td>Legume</td><td style="text-align: right;">0.29</td></tr> <tr><td>Contoured Row Crop</td><td style="text-align: right;">0.29</td></tr> <tr><td>Non-contoured row crop</td><td style="text-align: right;">0.05</td></tr> </table>	Permanent Meadow	0.59	Woods, Heavy Litter	0.59	Woods, Lt Ltr	0.29	Well managed grazing	0.44	Fair managed grazing	0.29	Good Pasture	0.22	Fair Pasture	0.15	Small Grain	0.29	Legume	0.29	Contoured Row Crop	0.29	Non-contoured row crop	0.05
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NO GOOD - Too much P released

**BUFFER SIZING**

9,330 sq ft      Min. Acceptable Buffer Area

Chosen Buffer Width  feet

0 feet      Min. Bfr. Len. Based on BARNY

#DIV/0! feet      Min. Bfr. Len. Based on Area

Chosen Buffer Length  feet      #DIV/0!

**Waupaca County  
Land & Water Conservation Department**

811 Harding Street  
Waupaca WI 54981  
Fax: 715/258-6239

Phone: 715/258-6245



**Brian Haase**  
County Conservationist  
**Corey Schuelke**  
Engineering Technician  
**Greg Peterson**  
Engineering Technician  
**Dan McFarlane**  
GIS/Engineering Technician  
**Andrea Moore**  
Program Assistant  
**Walter Sedlar**  
Golden Sands RC&D  
Nutrient Mngmt. Specialist

January 10th, 2013

Catherine Tank  
E5235 Tank Rd  
New London, WI 54962

Dear Cathy,

Our records show that all construction reimbursement payments have been completed for your Targeted Runoff Management (TRM) Grant that you received to help implement your new manure storage and barnyard runoff control system. Waupaca County is required to inform you in writing, as part of the TRM grant process, of your obligation to maintain compliance with the applicable performance standards and prohibitions that were addressed by the TRM cost-share agreement. These standards and prohibitions are outlined in Subchapter II (NR 151.02-NR 151.09) of Wisconsin Administrative Code NR 151. Enclosed you will find a copy of NR 151 Subchapters I & II that pertain specifically to your project. I encourage you to take the time to read them over carefully.

Also, to further comply with NR 151.07 (Nutrient Management) and Section 10.52 of the Waupaca County Manure Storage Ordinance, Waupaca County requires that you submit a copy of your Nutrient Management Plan (NRCS 590) to our office by April 1<sup>st</sup> of each year. Copies of your plan will be kept on file for potential review by either DNR or DATCP staff.

If you have any questions regarding this issue or would like a full copy of Wisconsin Administrative Code NR 151, please feel free to call me at 715-258-6482.

Sincerely,

A handwritten signature in black ink that reads "Brian Haase". The signature is written in a cursive style.

Brian Haase  
County Conservationist  
Waupaca County LWCD  
715-258-6482

CATHERINE M  
TANK

CATHERINE M  
TANK

11 33 11

STEINGRABER 11 34 11 34  
FAM IR TRUST 221 222

STEINGRABER  
FAM IR TRUST

11 34  
22 3

N5235

New Barnyard wall

Milkhouse Transfer

Manure Storage

TANK RD

11 33  
12 1

11 33 13

Manure Transfer  
Inside Abandoned  
Old Storage

DARYL L &  
CHARMAINE B  
SCHRAMM

CATHERINE M  
TANK

11 33  
14 1

N5173

SHIRLEY A  
STEINGRABER  
LIV TRUST

11 34  
23 1















