

Notice: This final report is authorized by ss. 281.65 and 281.66, Wis. Stats., and chs. NR 153 and NR 155, Wis. Adm. Code. Personally identifiable information collected will be used for program administration and may be made available to requesters as required under Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

**Instructions: Your grant agreement requires you to submit a Final Report 60 days after the end date listed in the grant agreement. This Final Report form must be used in conjunction with the "FINAL REPORT INSTRUCTIONS." The instructions detail how to complete and submit the report to DNR. The DNR prefers that Final Reports be submitted in electronic format. If, however, printed copies of Final Reports are submitted, please submit three (3) complete originals to your regional Nonpoint Coordinator.**

1. Grant Type -- Please check one.

- Targeted Runoff Management Grant – Agricultural  
 Targeted Runoff Management Grant – Urban  
 Urban Nonpoint Source & Storm Water Management Grant – Construction  
 Urban Nonpoint Source & Storm Water Management Grant -- Planning

2. Grantee & Project Information

Project Name <b>Tom Rotering Farm</b>	Grant Number <b>TRC-BT01-06000-08B</b>
Governmental Unit Name <b>Buffalo County - Land Conservation Department</b>	Primary Watershed Name and Watershed Code <b>Lower Trempealeau River - BT-01</b>
Nearest Water Body Name	Nearest Water Body Identification Code (WBIC) (if applicable)
DNR Water Management Unit (River System) Name <b>Buffalo - Trempealeau</b>	s. 303 (d) Listed Waterbody? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.

What pollutant(s) were addressed by the project (e.g., nitrogen, phosphorus, sediment, thermal control, etc.)?

**phosphorus**

For **each** project site location provide the following: (attach additional sheets if necessary)

Location:		A	B	C	D	E
Minor Civil Division Name (City, Township, Village, etc.)			<b>Cross</b>			
PLSS	Town		<b>20</b>			
	Range		<b>11 W</b>			
	Section		<b>24</b>			
	Quarter		<b>NE</b>			
	Quarter-Quarter		<b>NE</b>			
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer, SWDV)			<b>44 - 11 49.7 N</b>			
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)			<b>91 - 37 - 58.2 W</b>			
Property Owner(s)	Name		<b>Thomas J. Rotering</b>			
	Mailing address		<b>S2698 Waletzki Road, Fountain City, WI 54629</b>			

Site address (Not mailing address)					
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**3. Summary of Results**

**A. Performance Standards and Prohibitions and Other Water Resources Management Priorities**

For grants issued in calendar year 2006 or later, complete Tables A and B (following) consistent with the entries on your grant application.

**TABLE A. PERFORMANCE STANDARDS AND PROHIBITIONS** (per ch. NR 151, Wis. Adm. Code, effective October 1, 2002)

Performance Standard or Prohibition	Units of Measure	Quantity	Measurement Method Used
Sheet, rill and wind erosion	Acres meeting T		
Manure Storage Facilities: New Construction/Alterations	Number of facilities		
	Number of animal units		
Manure Storage Facilities: Closure	Number of facilities		
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities		
	Number of animal units		
Clean Water Diversions in WQMA	Pollutant load reduction		
	Number of farms with diversions		
	Number animal units		
Nutrient Management on Agricultural Land	Acres planned		
Prohibition: Manure Storage Overflow	Number of facilities		
	Number of animal units		
Prohibition: Unconfined Manure Pile in WQMA	Number of farms		
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction	<b>61</b>	<b>#s - BARNY Model</b>
	Number of facilities	<b>1</b>	<b>count</b>
	Number of animal units	<b>105</b>	<b>count</b>
Prohibition: Unlimited Livestock Access	Feet of bank protected		
	Number of farms		
Urban: 20-40% Reduction in Total Suspended Solids (TSS)	Pounds TSS reduced		
	% TSS reduction		

**TABLE B. OTHER WATER RESOURCES MANAGEMENT PRIORITIES**

I. Agricultural Areas	Units of Measure	Quantity	Measurement Method Used
Buffers	Feet of bank protected		
	Number of farms		
Streambank	Tons of bank erosion reduced		
	Feet of bank protected		
Other (specify)			
II. Developed Urban Areas	Units of Measure	Quantity	Measurement Method Used
Urban: 20-40% Reduction in TSS	Pounds TSS reduced		
	% TSS reduction		
Infiltration	% Pre-development stay-on volume		
	Cubic feet stay-on volume		
Peak flow discharge	Change in cubic feet per second		
Protective areas	Feet of bank protected		
Fueling & maintenance areas	Oily sheen presence		
Streambank	Tons of bank erosion reduced		
	Feet of bank protected		
Other (specify)			
III. Planning	Units of Measure	Quantity	Measurement Method Used
Quantify how implementation of the planning project decreased storm water impacts on state waters (i.e., storm water plan, I & E plan, etc.)	Municipalities planned for		
	Acres planned for		
Document/track progress made in implementing the planning product (i.e., ordinance, utility district evaluation/formation, storm water management plan information & education, etc.)	Municipalities planned for		
	Acres planned for		

Other (specify)			
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**B. Project Results Narrative**

**This project was successful. We expect that through the construction of a barnyard runoff control system we will reduce the #'s of phosphorus leaving a feedlot to be less 5 pounds. At this site the pounds of phosphorus leaving this feedlot was reduced to 3.3 pounds. The grant provided cost share funds to complete a barnyard runoff control system {NR 154.04(5)}. The landowner completed the seeding without cost share funding, therefore bringing the total cost share for the project to 69%.**

**4. Satisfaction of Notice Requirements (if applicable)**

If cost sharing for this project was offered under a formal notice to achieve compliance with performance standards or prohibitions, provide information for each notice in the table below.

Notice Information				Notice Satisfaction Information		
Notice Type	Issue Date	From (Name)	To (Name)	Satisfied?		Date Letter Sent
				Yes	No	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	

**5. Summary of Project Challenges**

**The biggest challenge here was trying to tie into some existing concrete floors which were present on site. After some deliberation between myself and the contractor, we decided to take out a good portion of the existing concrete in order to achieve the functionality of the proposed barnyard.**

**6. Additional Information about the Project (optional)**

**Phosphorous level was improved and the overall management of the cows was simplified. The cows were traveling over quite a distance to access their lot, we decided to implement the barnyard adjacent to the barn to minimize travel time and energy as well as maximize efficiency of both cattle and operator. The filterstrip was on the other side of his driveway which was nice as this site was a mowed yard and still is. See attached photos of this project on page 4 of this report.**

**In talking with the landowners, spring following practice implementation, I learned they are very pleased with the design, especially the way they are able to keep the spreader pad and filter strip away from the barnyard, where it is easier for the landowner to maintain it.**

**Also contained in this report is the letter of compliance with NR-151.08 (4), Service Agreement with the landowner for technical assistance and a document that shows the number of hours of technical assistance to the practice.**

**7. Final Product(s) -- All Projects**

**A. Construction Projects**

- A.1. Checking here indicates that a printed copy of project plans and specifications was sent to your DNR Regional Nonpoint Source Coordinator.
- A.2. Checking here indicates that photo-documentation of the project's construction is attached.

**B. Planning Projects**

- B.1. Checking here indicates that a printed copy of the planning product (e.g., plans, ordinances, analyses) was sent to your DNR Regional Nonpoint Source Coordinator.
- B.2. Checking here indicates that the Regional Nonpoint Source Coordinator has approved the final Planning Product(s).
- B.3. Checking here indicates that your governmental unit has adopted the final Planning Product(s).

Name of Planning Document(s)	Date(s) effective	Date Submitted to NPS Coordinator
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**8. Grantee Certification:**

Checking here certifies that, to the best of your knowledge, the information contained in this report is correct and true.

Type or print Name and Title of Authorized Representative certifying here.

**Julie Lindstrom, County Conservationist**

Signature of Authorized Representative	Date
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**9. FOR DEPARTMENTAL USE ONLY**

REGIONAL NONPOINT COORDINATOR -- Please complete the following:

- Checking here indicates that you received either planning or construction plans and specifications from the project sponsor, as appropriate. Attach a copy of the approval.
- Checking here indicates that you approved the final construction. Attach a copy of the final construction approval.
- Checking here indicates that you have approved the final Planning Product(s).
- Check here if two (2) signed, original copies of the Final Report and attachments have been sent to Runoff Management Section Grants Coordinator. Note: Regional Nonpoint Source Coordinator may retain one (1) copy of the signed, original Final Report.

Type or print Name of Regional Nonpoint Coordinator

Signature of Regional Nonpoint Coordinator	Date
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Barnyard site before construction



Site after construction



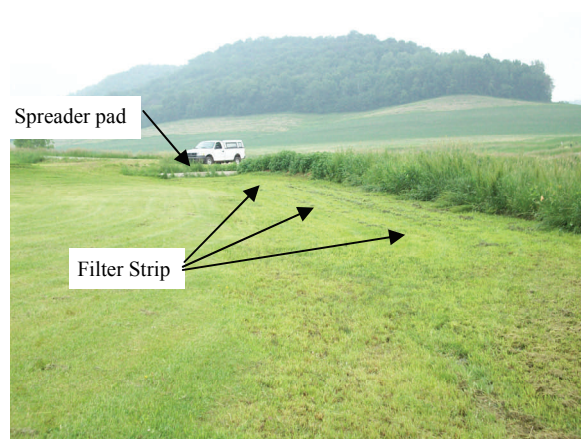
Liquids leave the barnyard at this corner.  
(also starred corner in the upper right photo).



Liquids from the barnyard drop onto this concrete pad outside the barnyard walls, flow through the 4" pvc underground pipe to the filter strip (in the bottom, left photo) on the other side of the driveway.



Underground pvc pipe drains to the spreader pad.



Spreader pad and filter strip (which was mowed just prior to these photos this spring {2009}).