

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 Noll Farm	Grant Number TRC-GB08-38000-07A
Governmental Unit Name Marinette County	Primary Watershed Name and Watershed Code GB08 - Little Peshtigo River
Nearest Water Body Name Little Peshtigo River	Nearest Water Body Identification Code (WBIC) (if applicable) 517400
DNR Water Management Unit (River System) Name Upper Green Bay	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, nitrogen, sediment, BOD

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.)		Town of Pound				
PLSS	Town	30				
	Range	21E				
	Section	5				
	Quarter	SW				
	Quarter-Quarter	NW				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer, SWDV)		45 6' 2.3"				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)		87 58' 20.8"				
Property Owner(s)	Name	Allen Noll				
	Mailing address	N3228 County Q, Pound, WI 54161				
Site address (Not mailing address)						

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	1	Count
	Number of animal units	848	Count
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	91.4	BARNY
	Number of farms with diversions	1	Count
	Number animal units	848	Count
Nutrient Management on Agricultural Land	Acres planned		Count
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	91.4	BARNY
	Number of facilities	1	Count
	Number of animal units	848	Count
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>i.e.</i> , storm water plan, I & E plan, etc.)	Municipalities planned for		
	Acres planned for		
Document/track progress made in implementing the planning product (<i>i.e.</i> , ordinance, utility district evaluation/formation, storm water management plan)	Municipalities planned for		
	Acres planned for		
Other (specify)			

B. Project Results Narrative

All of the practices listed in the application were installed. Although not part of the project, the barnyard has been reshaped to flow across a vegetated cropland buffer. Clean water is now routed to completely avoid areas that contain manure. Without using TRM funds the landowner also installed a feed bunk leachate collection tank and pump to prevent water contaminated by cattle feed, from leaving the food storage area. The landowner also installed heavy use protection to the area where the leachate is pumped into a tank trailer for land spreading.

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

Four-foot deep bedrock precluded excavation of a pit for placement of the manure storage and required the creation and build up of berms to support the base and side slopes of the storage.

6. Additional Information about the Project (optional)

NRCS is implementing a Comprehensive Nutrient Management Plan on this farm. A CNMP is unique to animal feeding operations. It is a grouping of conservation practices and management activities that will help to ensure that both production and natural resource protection goals are achieved. A CNMP incorporates practices to utilize animal manure and organic by-products as a beneficial resource. A CNMP addresses natural resource concerns dealing with soil erosion, manure, and organic by-products and their potential impacts on water quality, which may derive from an AFO. A CNMP is developed to assist an AFO owner/operator in meeting all applicable local, State, and Federal water quality goals or regulations. For nutrient impaired stream segments or water bodies, additional management activities or conservation practices may be required to meet local, tribal, State, or Federal water quality goals or regulations.

The elements of a CNMP are as follows: Manure and Wastewater Handling and Storage, Land Treatment Practices, Nutrient Management, Feed Management, and Other Utilization Activities. CNMP's are relatively costly and time consuming. Without the trigger of the TRM project it would likely never have been implemented on this farm.

The berms for the side-sloped manure facility were created using 94,000 cubic yards of foundry sand. With proper compaction, foundry sand is much more water impermeable than the native soils on the site. Even if a leak occurred in the concrete storage facility, there is almost no chance for water to move through the berm to reach ground water. Use of this material not only saves the landowner money it prolongs the useful life of landfill where it would otherwise be sent.

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

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.

Gregory G. Cleereman - County Conservationist

Signature of Authorized Representative	Date
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[Handwritten Signature]

12/18/08

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

CASEY L. JONES

Signature of Regional Nonpoint Coordinator

Casey L. Jones

Date

12-29-08

