

Final Report

Targeted Runoff Management Grant Program and Urban Nonpoint
 Source and Storm Water Management Grant Program

Form 3400-189 (R 6/08)

dnr.wi.gov

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 William Mathis Farm	Grant Number TRC-BT07-06000-08F
Governmental Unit Name Buffalo County - Land Conservation Department	Primary Watershed Name and Watershed Code Lower Buffalo River - BT07
Nearest Water Body Name Hutchinson Creek	Nearest Water Body Identification Code (WBIC) (if applicable) na
DNR Water Management Unit (River System) Name Buffalo - Trempealeau	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.)			Gilmanton - barnyard project	Gilmanton - crossing		
PLSS	Town		23	23		
	Range		11 W	11W		
	Section		32	32		
	Quarter		SW	SW		
	Quarter-Quarter		SW	SW		
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer, SWDV)			44 - 25' - 29.7" N	44-25'-29.5"N		
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)			91 - 45.0' .1" W	91-44'-57.7"W		
Property Owner(s)	Name		John Mathis	John Mathis		
	Mailing address		S1184 County Road NN, Alma, WI 54610	S1184 County Road NN, Alma, WI 54610		

Site address (Not mailing address)		same	same		
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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	179	#s - BARNY Model
	Number of facilities	1	count
	Number of animal units	126	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) crossing fencing	linear feet	460	measurement
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 than 5 pounds. At this site the pounds of phosphorus leaving this feedlot was reduced to 5 pounds.

The grant provided cost share funds to complete a barnyard runoff control system {NR 154.04(5)} and an Access Road/Cattle Crossing {NR 154.04(6)}. The only access that the cattle have to the stream is through the crossing and the landowner fenced off the crossing to prevent cattle access to the streambank. The landowner completed the fencing for the barnyard project and the crossing fencing on his own, with no cost share funds.

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. Another challenge was implementing the crossing with the lot we had to make an angle in the lane instead of a straight shot. This was incorporated to take out some of the grade.

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. See attached photos following the report.

Also contained in this report is the letter of compliance with NR-151.08. 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

Julie Lindstrom

Date

11-19-2009

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

Karen S. Voss

Signature of Regional Nonpoint Coordinator

Karen S. Voss

Date

12-21-2009



The concrete for the barnyard will tie into the existing concrete.



The existing feeding, is utilized with the new barnyard practice.



Barnyard Project under construction.



This barnyard project has an off-lot settling basin, Rock in the spreader pad will need to be pushed closer to the edge of the spreader pad, when that part of the off-lot dries out. Inside edge of the rock should be located at or close to the black line.



Completed crossing. Cattle are completely fenced out of the stream, except through the crossing.

Land Conservation Department



Conservation Technician
Tom Schultz

Julie Lindstrom
Conservationist
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Phone (608) 685-6260 Fax (608) 685-6213

Conservation Technician
Chad Dewyre

SERVICE AGREEMENT

This agreement entered into 5/20/2009, by the parties John Mathis, S1184 County Road NN, Alma, WI 54610 and Buffalo County Land Conservation Department, hereinafter "LCD".

The LCD agrees to provide technical services at no direct cost to the landowner, that include field data collection, complete design, construction plans, construction inspection and operation/maintenance procedures relative to the clients project designed to institute a conservation practice as recommended by local, state and federal regulatory agencies and the Buffalo County Land and Water Resource Management Plan for the construction and maintenance of a barnyard runoff control system.

This agreement shall continue until the conservation practice is installed or the agreement is terminated upon written agreement by the parties.

The parties agree that the following payment and billing procedures shall apply:

1. The reimbursement rate for engineering assistance that will be submitted to the DNR TRM Program upon completion of the project, will be the salary/fringe rate per hour for staff time that is spent working on the clients practice. The LCD shall provide the landowner with an accurate accounting of expenses.
2. Actual cost for engineering services will be available to the landowner upon completion of the conservation practice at his request.


Julie Lindstrom, County Conservationist


John Mathis

Land Conservation Department



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Conservation Technician
Chad Dewyre

November 19, 2009

John Mathis
S1184 County Road NN
Alma, WI 54610

Dear Mr. Mathis,

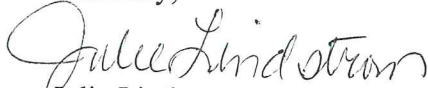
The purpose of this letter is to acknowledge that by constructing the access road/stream crossing and barnyard runoff control system you now comply with a portion of the Wisconsin Non-Point Pollution State Performance Standards in NR 151 Wis. Administrative Code. The access road/stream crossing and barnyard runoff control system at your farm located in the Town of Gilmanton at T. 23N, R11W, Section 32, SW ¼ of SW ¼ are adequate to meet the following standard:

- NR 151.08 (5) Prohibition on unlimited livestock access to waters of the state, and
- NR 151.08 (4) Prohibition on direct runoff from a feedlot or stored manure

In accordance with Ch NR 151, Wis Adm. Code, any practice or facility that is in compliance with a performance standard or prohibition on or after the effective date of the standard or prohibition, must remain in compliance regardless of whether cost sharing is provided to the owner or operator. Since you are now deemed in compliance with the performance standard and prohibition listed above, it is imperative that you and any future owners or operators maintain compliance with them. The Operation & Maintenance Plan that you received from Chad is your guide to insure continued compliance.

I want to thank you for working with the county Land Conservation office. If you have any questions, please feel free to contact Chad DeWyre at 685-6264 or myself at 685-6261.

Sincerely,


Julie Lindstrom
Conservationist