

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 Craig Peterson Farm	Grant Number TRC-BT07-06000-08C
Governmental Unit Name Buffalo County - Land Conservation Department	Primary Watershed Name and Watershed Code Lower Buffalo River - BT07
Nearest Water Body Name	Nearest Water Body Identification Code (WBIC) (if applicable)
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 and sedimentation

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.)			barnyard project	grade stabilization		
PLSS	Town		22	22		
	Range		12 W	12W		
	Section		26	27		
	Quarter		SW	SE		
	Quarter-Quarter		NW	SE		
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer, SWDV)			44 - 21' - 19" N	44-21'-6"N		
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)			91 - 48' - 43" W	91-48'-54"W		
Property Owner(s)	Name		Craig Peterson	Craig Peterson		
	Mailing address		S1669 County Road N, Alma, WI 54610	S1669 County Road N, Alma, WI 54610		

Site address (Not mailing address)		same	same		
------------------------------------	--	------	------	--	--

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	54	#'s - BARNY Model
	Number of facilities	1	count
	Number of animal units	91	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) grade satbilizaton structure	reduction in cfs	15	cubic feet per second
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)			
-----------------	--	--	--

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 .7 pounds.

The grant provided cost share funds to complete a barnyard runoff control system {NR 154.04(5)} and a grade stabilization structure {NR 154.04(14)}. Prior to construction of the barnyard runoff control system, LCD staff completed a review of his farm plan to implement a nutrient management plan. During this process we learned of a ditch cutting into a cropped field, causing soil erosion from this field. Funds available from this grant, make it possible to construct a grade stabilization structure at this site to stabilize the ditch and prevent further erosion from the site. The landowner completed the fencing and the seeding for the barnyard project 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 of this project on page 4 of this report.

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
------------------------------	-------------------	-----------------------------------

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 <i>Julie Lindstrom</i>	Date 12-15-2009
------------------------------------------------------------------	--------------------

--	--

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

Signature of Regional Nonpoint Coordinator	Date
--------------------------------------------	------



Completed barnyard system.



Completed barnyard system.



Spreader box looking down filter strip.



Completed grade stabilization structure.



Outlet pipe with animal guard.



Inlet to pipe with trash rack.

Land Conservation Department



Julie Lindstrom

Conservationist

Buffalo County Courthouse

407 South Second Street PO Box 88

Alma, WI 54610

Email: julie.lindstrom@buffalocounty.com

Phone (608) 685-6260 Fax (608) 685-6213

Conservation Technician

Tom Schultz

Conservation Technician

Chad Dewyre

November 20, 2009

Craig Peterson
S1669 County Road N
Alma, WI 54610

Dear Mr. Peterson,

The purpose of this letter is to acknowledge that by constructing your 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. This barnyard runoff control system at your farm located at T. 22N, R12W, Section 27, SW ¼ of NE ¼ is adequate to meet 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.

The cost share funds that we initially thought we would have for you to complete your nutrient management plan, are not longer available. You are still encouraged to complete a nutrient management plan for your farm, however you are not required to do so at this time.

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,

A handwritten signature in cursive script that reads "Julie Lindstrom".

Julie Lindstrom
Conservationist

Land Conservation Department



Conservation Technician

Tom Schultz

Julie Lindstrom

Conservationist

Buffalo County Courthouse

407 South Second Street PO Box 88

Alma, WI 54610

Email: julie.lindstrom@buffalocounty.com

Phone (608) 685-6260 Fax (608) 685-6213

Conservation Technician

Chad Dewyre

SERVICE AGREEMENT

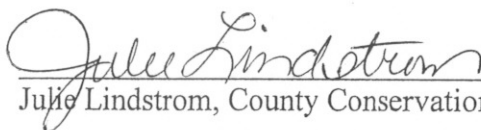
This agreement entered into January 22, 2008, by the parties Craig Peterson, S1669 County Road N, Alma, WI 54610 and Buffalo County Land Conservation Department, hereinafter "LCD".

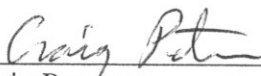
The LCD agrees to provide technical assistance at no direct cost to the landowner, that include field data collection, complete design, construction plans, construction inspection and operation/maintenance procedures relative to the clients project designed to institute a conservation practice as recommended 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 practices are installed or the agreement is terminated upon written agreement by the parties.

The parties agree that the following payment and billing procedure 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 practices at his request.


Julie Lindstrom, County Conservationist


Craig Peterson

Craig Peterson - Time Spent on DNR TRM Grants

Date	Technician	S-Survey D-Design C-Construction CE-Certification	Hours	Rate of Pay Including Benefits	Total Cost of Engineering
1/22/08	C. Dewyre	S	2	25.98	51.96
2/4/2008	C. Dewyre	S	2.5	25.98	64.95
2/4/2008	T. Schultz	S	2.5	29.82	74.55
2/21/2008	C. Dewyre	D	3.5	25.98	90.93
2/22/2008	C. Dewyre	D	6	25.98	155.88
2/25/2008	C. Dewyre	D	7	25.98	181.86
2/26/2008	C. Dewyre	D	6	25.98	155.88
2/27/2008	C. Dewyre	D	8	25.98	207.84
2/28/2008	C. Dewyre	D	7	25.98	181.86
2/29/2008	C. Dewyre	D	8	25.98	207.84
3/4/2008	C. Dewyre	D	6	25.98	155.88
3/7/2008	C. Dewyre	D	5	25.98	129.9
3/10/2008	C. Dewyre	D	2.5	25.98	64.95
3/18/2008	C. Dewyre	D	4	25.98	103.92
3/19/2008	C. Dewyre	D	2	25.98	51.96
8/14/2008	C. Dewyre	C	6	25.98	155.88
8/15/2008	C. Dewyre	C	8	25.98	207.84
8/15/2008	T. Schultz	C	2	29.82	59.64
8/18/2008	C. Dewyre	C	7	25.98	181.86
8/18/2008	T. Schultz	C	2	29.82	59.64
8/19/2008	C. Dewyre	C	7	25.98	181.86
8/19/2008	T. Schultz	C	2	29.82	59.64
8/21/2008	C. Dewyre	C	7	25.98	181.86
8/21/2008	T. Schultz	C	2	29.82	59.64
8/25/2008	C. Dewyre	C	6	25.98	155.88
8/25/2008	T. Schultz	C	2	29.82	59.64
8/27/2008	C. Dewyre	C	5	25.98	129.9
9/4/2008	C. Dewyre	C	8	25.98	207.84
9/29/2008	C. Dewyre	C	2	25.98	51.96
9/30/2009	C. Dewyre	CE	4	25.98	103.92
10/1/2008	C. Dewyre	CE	2.5	25.98	64.95
1/5/2009	C. Dewyre	S	4	24.07	96.28
1/5/2009	T. Schultz	S	4	30.76	123.04
1/27/2009	C. Dewyre	D	3	24.07	72.21
1/29/2009	C. Dewyre	D	4	24.07	96.28
8/12/2009	C. Dewyre	C	3	24.07	72.21
8/12/2009	T. Schultz	C	3	30.76	92.28
8/13/2009	C. Dewyre	C	3	24.07	72.21
8/13/2009	T. Schultz	C	3	30.76	92.28
8/17/2009	C. Dewyre	C	2	24.07	48.14
8/17/2009	T. Schultz	C	2	30.76	61.52
9/15/2009	C. Dewyre	CE	2	24.07	48.14
9/15/2009	T. Schultz	CE	2	30.76	61.52
Total			179.5		\$4,738.22