

Final Report

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

Form 3400-189 (R 6/08)

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 Park Lake Dale Cross NOI	Grant Number TRC UF15 11000 06
Governmental Unit Name Columbia County	Primary Watershed Name and Watershed Code Swan Lake UF15
Nearest Water Body Name Park Lake / Fox River	Nearest Water Body Identification Code (WBIC) (if applicable)
DNR Water Management Unit (River System) Name Upper Fox River River	s. 303 (d) Listed Waterbody? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No. Park Lake

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

NPS Pollution (Nitrogen and Phosphorus and Sediment)

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.)		Scott				
PLSS	Town	13N				
	Range	R11E				
	Section	14				
	Quarter	NE				
	Quarter-Quarter	SE				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer, SWDV)		89 9 28.00012				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)		43 36 30.00018				
Property Owner(s)	Name	Dale Cross				
	Mailing address	N9139 Cty Hwy J Cambria, WI 53923				

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	200	Acres
Prohibition: Manure Storage Overflow	Number of facilities		
	Number of animal units		
Prohibition: Unconfined Manure Pile in WQMA	Number of farms	3	3 manure piles in WQMA
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction	25	lbs of P
	Number of facilities	1	1 facilities
	Number of animal units	-1080	hog and beef
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		
	Tons of bank erosion reduced		
	Feet of bank protected		
Streambank			
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

We were able to address this animal waste runoff issue by using the TRM grant award funds to make an official offer of cost share via an NOI to address the 3 stacks in the WQMA area and the direct discharge of animal waste via pipe to waters of the state. We were able to clean up the manure stacks and land apply them to croplands via a NPM plan. The landowner chose to not accept cost share but did agree to deed restrictions as outlined in attached letter. The direct discharge pipe was closed off as part of this agreement. The TRM grant was important for us to require this clean up and put further restrictions on this site to keep it in compliance with NR 151 now and into the future.

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	
NOI	4/12/05	Columbia County LWCD	Dale Cross	<input checked="" type="checkbox"/>	<input type="checkbox"/>	12/17/2009
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	

5. Summary of Project Challenges

Challenges, small landowner with only 4 acres of land, no zoning no restriction on animal numbers. Landowner could not justify expense to maintain animal units with needed improvement infrastructure. Finally we agreed this was best alternative to address this issue.

6. Additional Information about the Project (optional)

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.

KUAT A. CALKINS, Director LWCD

Signature of Authorized Representative

Kuat A. Calkins

Date

4/8/09

9. FOR DEPARTMENTAL USE ONLY

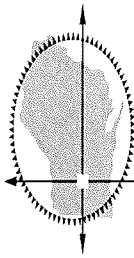
REGIONAL NONPOINT COORDINATOR -- Please complete the following:

- ☐ 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



COLUMBIA COUNTY

Land & Water Conservation

608-742-9670
FAX: 608-742-9802
E-MAIL: land.conservaion@co.columbia.wi.us
WEBSITE: www.co.columbia.wi.us

120 West Conant Street
P.O. Box 485
Portage, WI 53901

December 17, 2008

Dale Cross
N9139 County Hwy H
Cambria, WI 53923

RE: NR 151 Performance Standards

Dale,

Recording Area

Agency Name & Return Address
Columbia County LWCD
120 West Conant Street
P.O. Box 485 Portage Wi 53901

Parcel Identification Number 11036 282A

Thanks for coming in for the checks. The last couple of things that need to be completed are to seed the disturbed areas and the drain plugging portions. Cost sharing offer for NR 151 items ends December 31st 2008. If you wish to receive cost sharing for any more eligible items you must submit all bills to me no later than January 16th 2009.

You have been offered cost sharing to address all your NR 151 runoff performance standards and prohibitions, to maintain compliance with NR 151 runoff performance standards and prohibitions as of January 1st 2009 all animals and their manure wastes & bedding must be under roof, there will be no unconfined manure stacks or unapproved storage systems allowed on the property.

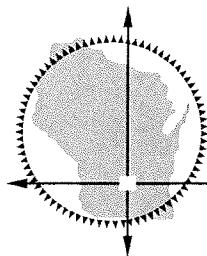
All manure generated from the property will be applied per requirements of a nutrient management plan standard code 590 developed on a yearly basis. Submittal of nutrient management plan and or checklist must be supplied on request from the Columbia County Land & Water Conservation Department. It is my understanding at this time you will be working with an adjacent landowner to coordinate your nutrient management planning. Please submit your 2009 nutrient management plan to Columbia County Land & Water Conservation Department by June 1st 2009.

There will be no direct runoff as define in NR 151 from any livestock on this Parcel (# 11036 282.A Sec. 14, T13N, R11E PCL in S1/2 of NE1/4 of NW1/4; COM@ NE COR OF S 1/2 NE 1/4 NW 1/4 , S330', W458', N330' E TO BEG. REC IN R.66 P.26 R.86 P.605). If you wish to have livestock in an open yard (not under a roof) a designed barnyard runoff control system or manure storage system must be installed. This design must be installed and maintained to meet NR 151 regulations which are approved through the Columbia County Land & Water Conservation Department. Since you have already been offered cost sharing for a manure management system to bring you into full compliance with NR 151 requirements any future issues on this parcel in regards to NR 151 requirements will be at the full responsibility of existing owner. You or future landowners will not be entitled to 70% cost sharing requirements outlined in NR151 regulations.

Enclosed are 2 copies of this letter one for your record and one for you to sign and return in the enclosed envelope. If you have any question please feel free to contact me at (608) 742-9670.

Sincerely

Todd Rietmann , Technician
Land and Water Conservation Dept.
Columbia County



COLUMBIA COUNTY

Land & Water Conservation

608-742-9670
FAX: 608-742-9802
E-MAIL: land.conservation@co.columbia.wi.us
WEBSITE: www.co.columbia.wi.us

120 West Conant Street
P.O. Box 485
Portage, WI 53901

4/12/05

Dale Cross
N9139 County Hwy H
Cambria, WI 53923

RE: Notice of Intent to Enforce NR 151 Performance Standard Issue!

Dear Dale,

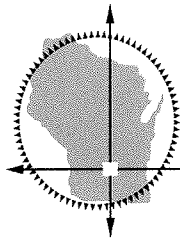
This letter is to serve purpose that your livestock operation is in violation of Water Quality Performance Standards found in NR 151. Specifically your manure management situation is in violation of providing manure runoff into the waters of the state.

We are in the process of applying for grant funds to that will help us meet the NR 151 requirements of providing 70% cost sharing to force compliance with the Water Quality Performance Standards. When cost share dollars become available we will make an offer of cost sharing along with design and engineering assistance. Implementation of the required best management practice will be mandatory.

If you have any question please feel free to contact me.

Sincerely

Kurt R. Calkins
Director of LWCD
Columbia County



COLUMBIA COUNTY

Land & Water Conservation

608-742-9670
FAX: 608-742-9840
E-MAIL: land.conservation@co.columbia.wi.us
WEBSITE: www.co.columbia.wi.us

120 West Conant Street
P.O. Box 485
Portage, WI 53901

Addendum

Parcel # 11036 282.A

Sec. 14, T13N, R11E PCL in S1/2 of NE1/4 of NW1/4; COM@ NE COR OF S 1/2 NE 1/4 NW 1/4 , S330', W458', N330'
E TO BEG. REC IN R.66 P.26 R.86 P.605

The above subjected property has been offered and accepted cost sharing per NR 151 Runoff Management performance standards. In lieu of cost sharing for existing animal numbers the current landowner of the subjected property has chosen to adhere to the NR 151 Runoff Management performances standards and prohibitions by installing a small storage facility and by the below listed items.

All swine/poultry livestock will be in a confinement system under a building roof. All swine/poultry manure will be under roof at all times. Manure Storage facilities will meet all applicable ordinances and permit requirements.

For all other livestock types limit the outside animal yard size to less than 1500 square feet with a 2250 sq ft. grass buffer area to treat the direct runoff from this yard.

A maximum of 5 animal units will be allowed on the outside animal yard. The outside animal yard will be cleaned and manure removed once at least every 7 days.

Adequate bedding will be supplied to eliminate any direct runoff from any livestock housing facilities this includes properly plugging any drains currently in any of the existing structures.

All manure generated from property will be applied per requirements of a nutrient management plan developed yearly. Submittal of nutrient management plan and or checklist will be required by the Columbia County Land & Water Conservation Department.

There will be no direct runoff as define in NR 151 from the livestock operation.

Current unconfined manure stacks will be removed and applied to cropland fields per nutrient management plan then the stack locations will be seeded down to grass.

There will be no unconfined manure stacks as defined in NR151 allowed on the property.

All grazing on the property will be done according to a managed grazing plan with animal units not to exceed the grazing plan requirements.

As of December 31st 2008 all of the NR 151 runoff management performance standards and prohibitions will be adhered to on the above said property for perpetuity. Inspections may be conducted by the Columbia County Land & Water Conservation Department to ensure the NR 151 Standards are being met.

Landowner Signatures _____ Dates: _____

Columbia County
Land & Water Conservation Director's Signature: _____ Dates: _____



COLUMBIA COUNTY

Land & Water Conservation

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120 West Conant Street
P.O. Box 485
Portage, WI 53901

6/6/06

Mr. Dale Cross
N9139 CTH H
Cambria, WI 53923

Subject: Manure Management and Runoff Control Project Implementation

Dear Dale

I hope all is well. I am contacting you as a follow up to some earlier letters I have sent you in regards to the installation of some Best Management Practices to help you better control and utilize your manure and other runoff concerns we discussed during our earlier visits with you last year. I have enclosed copies of the earlier letters I have sent you for your reference.

As stated earlier in my letters, we have received a grant award in the amount of \$35,700 to use to bring your operation into compliance with NR 151, and help you better manage your manure. It is the intent to use this money to offset the cost associated with this project. Currently as the contract is written we will be providing you 70% cost sharing up to this amount. The deadline for completion of this project and utilization of these funds is December 31, 2007. It gives us sometime, but now is the time that we need to start planning the technical aspects of this project. *In the next few weeks to a month several technicians from my staff will be coming out to get a topographical survey of your site.* This is the first step in any design process and it will help us make decisions as we move along. The sooner we get started on this the more time we have to plan and discuss along the way.

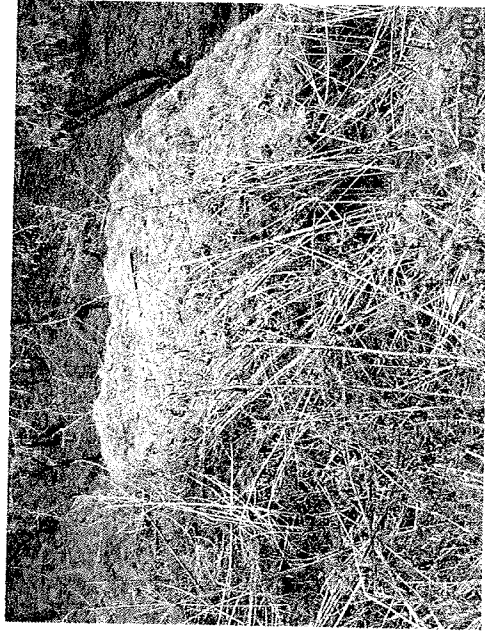
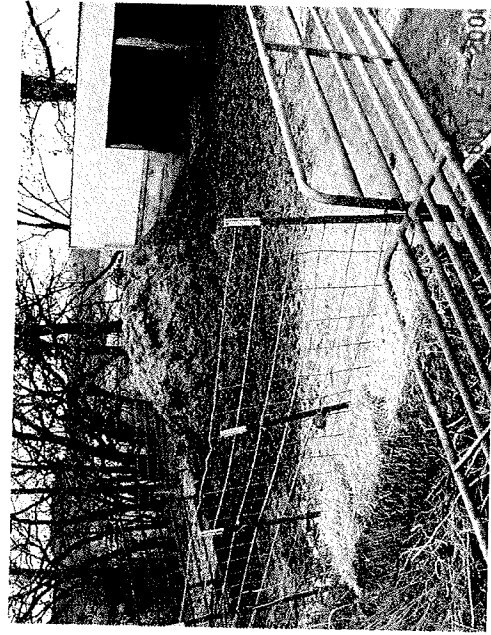
The most critical component right now for you is simply this. I do have the opportunity to search out cost sharing up to 90% of the total cost of the project if you are determined to meet the requirements of economic hardship. I cannot determine your economic status, and per the requirements of the statues you need to request this determination and follow through with the process. If you don't request it soon I will be unable potentially help you with this opportunity. It is in your best interest to contact me immediately so we can talk about these opportunities for you. I hope we can continue to work with you voluntarily with the implementation of this project because it is much more cost effective to work cooperatively along the way. I have to fill out status reports each quarter on the progress of this project, and with each report the opportunity to qualify for any further economic support is diminishing.

Please give me a call ASAP so we can talk about these opportunities and get this project on the move. **You can reach me at 608 742 9670.** If I don't hear from you soon, as I stated earlier my staff will be scheduling time to begin the survey work associated with your project, so we will see you soon.

Sincerely

Kurt R. Calkins
Director of Land and Water Conservation
Columbia County

Manure Stacks in ravine/runoff into ravine

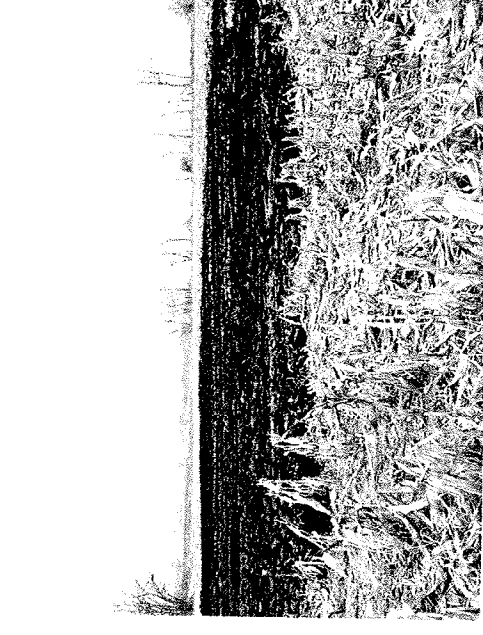
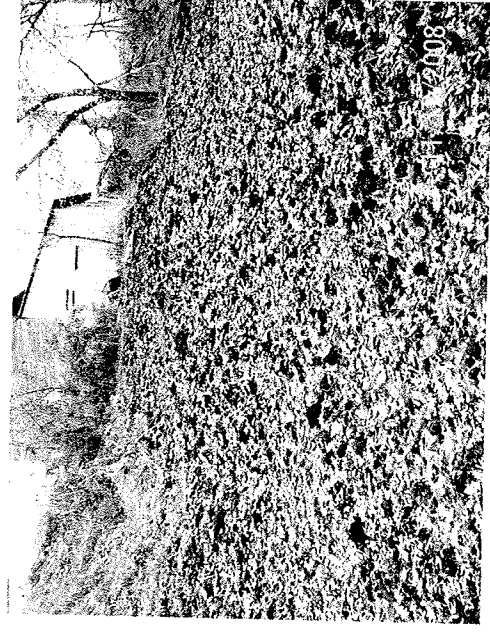


Landowner chase to remove stacks & abandon lots



Landowner chase to remove stacks & abandon lots

Stack Removal/Seeding



Stack Spreading on Cropland