

**Targeted Runoff Management Program (TRM)
Grant Application – CY 2008 Funding**

Form 8700-300 (R 1/07)

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Notice: This document was drafted by the Wisconsin Department of Natural Resources. Application is hereby made to the Wisconsin Department of Natural Resources, Bureau of Watershed Management, for grant assistance consistent with s. 281.65, Wis. Stats., and Chapter NR 153 and NR 154, Wis. Adm. Code. Collection of this information is authorized under the authority of s. 281.65, Wis. Stats. The information contained in this form will be used for program budget analysis and project evaluation in the Targeted Runoff Management Grant Program. 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.]. *Unless otherwise noted, all citations refer to Wisconsin Administrative Code.*

Instructions: Complete all sections as applicable.

Applicant Information

Governmental Unit Applying: (name & type) (example: Madison, Town of)

Buffalo, County of

Name of Authorized Representative (First, Last) Julie Fernholz			Name of Governmental Contact Person (First Last) (if different) Same		
Title County Conservationist			Title Same		
Area Code + Telephone Number 608-685-6261			Area Code + Telephone Number Same		
Area Code + Fax Number 608-685-6213			Area Code + Fax Number Same		
E-Mail Address julie.fernholz@buffalocounty.com			E-Mail Address Same		
Mailing Address - Street or Route PO Box 88 - 407 S. Second Street			Mailing Address - Street or Route Same		
City Alma	State WI	Zip Code 54610	City Same	State Same	Zip Code Same

Consulting Firm Name (if applicable)

NA

Consulting Contact Person Name

NA

Title

NA

Area Code + Telephone Number

NA

Area Code + Fax Number

NA

E-Mail Address

NA

Mailing Address - Street or Route

NA

City

NA

State

NA

Zip Code

NA

DNR Use Only

Project Information

A. Project Name

Pp Barnyard Management

B. Project Area Location

County

Buffalo

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TRM Grant Project Name Pp Barnyard Management

Project Information (continued)

Minor Civil Division Name (city, village, town, etc. – ex. Wrightstown, Village of)	Township (N)	Range (E/W)	Section	Quarter	Quarter- Quarter	Latitude (North)	Longitude (West)
Montana, Town of	22	10W	10	SE	NW	44 23' 59.9"	91 36' 9.5"
Montana, Town of	22	10W	10	SE	NW	44 24' 6.8"	91 36' 10.7"
Montana, Town of	22	10W	10	NE	NW	44 24' 8.3"	91 36' 7.2"

Method for Determining Latitude & Longitude (check one)

☐ GPS☒ DNR WebView or Surface Water Data Viewer☐ Other (specify):**C. Project Summary**

The purpose of this project is to reduce phosphorus and sediment runoff from the farmstead. By implementing a barnyard runoff system(NR154.04)(5), waterway(NR154.04(39), streambank shaping and/or other conservation practices needed, phosphorus discharge and sediment discharge to the local stream will be greatly reduced. Clean water will be addressed by implementing a diversion and/or roof gutters as needed. Buffalo County has been completing total farm assessments and will continue to address all problematic areas on farmsteads.

D. Watershed & Waterbody (see Attachment A)

Watershed Name Waumandee Creek	Watershed Code BTO6	Primary Waterbody Waumandee Creek
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Note: If the project is in more than one watershed, submit a separate application for each watershed, unless this application is for a high-efficiency street sweeper.

Yes No

E. Project Target

- ☒ ☐ 1. The project will control agricultural runoff.
☐ ☒ 2. The project will control urban runoff.

F. Request for Funding for "Total Maximum Daily Load" Implementation

- ☐ ☒ 1. Requesting funding for eligible best management practices (BMPs) which will directly implement the pollutant-specific goals of a public comment draft (as of April 9, 2007) or an EPA-approved Total Maximum Daily Load (TMDL).

a. If yes, provide the title of TMDL report this project addresses.

- ☐ ☒ 2. Final reimbursement for eligible, TMDL implementation project costs will be requested no later than September 20, 2009.

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Project Information (continued)**G. Request for Funding of Land Acquisition or Easements**

- ☐ ☒ Requesting funding for either land acquisition or purchase of easements as part of this application to support eligible BMPs. If yes, attach the property acquisition proposal, as defined in **Attachment B**, to the completed application form.

H. Request for Retroactive Funding for Design Costs

- ☐ ☒ Requesting reimbursement for design costs that have been or will be incurred before issuance of the grant.

I. Request for Funding for Force Account Work

- ☒ ☐ Requesting reimbursement for technical services to be performed by governmental unit staff (force account).

J. Endangered and Threatened Resources, Historic Properties, and Wetlands

Check the appropriate box for each question based on what the governmental unit knows to occur where the project disturbs land. If you have no evidence of the items below, check "No."

- ☐ ☒ 1. There are endangered or threatened resources, as identified in s. 29.604, Wis. Stats., and ch. NR 27 in the project area.
- ☐ ☒ 2. There are archaeological sites, historical structures, burial sites, or other historic places identified in s. 44.45, Wis. Stats., in the project area.
- ☐ ☒ 3. There are wetlands in the project area that are governed by water quality standard provisions of ch. NR 103.

K. Environmental Contamination

- ☐ ☒ The applicant is aware of environmental contamination of the soil and/or groundwater or potential for contamination in the project area.

L. Urban Projects Only: Pro-rating for Existing versus New Development

- ☐ ☐ Project will serve existing development only. If no, provide attachments and the following:

100%

Percentage of total design volume that will be generated by existing development. (change default % if necessary)

M. Urban Projects Only: Alternative Funding Possibility

- ☐ ☐ This applicant requests that the DNR also submit a copy of this application to the Clean Water Fund loan program.

TRM Grant Project Name
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Part I. Screening Requirements

Yes

No

A. Map

An 8.5" x 11" topographic map from USGS or the DNR data/map viewers, showing the project area, is attached.

B. Best Management Practices (BMPs) For Which DNR Funding Is Requested (check all that apply)(see **Attachment D** for additional BMP information)

<u>Practice</u>	<u>Wis. Adm. Code</u>	<u>Practice</u>	<u>Wis. Adm. Code</u>
<input type="checkbox"/> Manure Storage Systems	NR 154.04(3)	<input type="checkbox"/> Riparian Buffers	NR 154.04(25)
<input type="checkbox"/> Manure Storage System Closure	NR 154.04(4)	<input type="checkbox"/> Roofs	NR 154.04(26)
<input checked="" type="checkbox"/> Barnyard Runoff Control Systems	NR 154.04(5)	<input checked="" type="checkbox"/> Roof Runoff Systems	NR 154.04(27)
<input checked="" type="checkbox"/> Access Roads & Cattle Crossings	NR 154.04(6)	<input checked="" type="checkbox"/> Sediment Basins	NR 154.04(28)
<input checked="" type="checkbox"/> Animal Trails and Walkways	NR 154.04(7)	<input type="checkbox"/> Shoreline Habitat Restoration for Developed Areas	NR 154.04(29)
<input checked="" type="checkbox"/> Critical Area Stabilization	NR 154.04(10)	<input type="checkbox"/> Sinkhole Treatment	NR 154.04(30)
<input checked="" type="checkbox"/> Diversions	NR 154.04(11)	<input type="checkbox"/> Subsurface Drains	NR 154.04(33)
<input type="checkbox"/> Field Windbreaks	NR 154.04(12)	<input type="checkbox"/> Terrace Systems	NR 154.04(34)
<input checked="" type="checkbox"/> Filter Strips	NR 154.04(13)	<input type="checkbox"/> Underground Outlets	NR 154.04(35)
<input type="checkbox"/> Grade Stabilization	NR 154.04(14)	<input type="checkbox"/> Waste Transfer Systems	NR 154.04(36)
<input checked="" type="checkbox"/> Heavy Use Area Protection	NR 154.04(15)	<input type="checkbox"/> Wastewater Treatment Strips	NR 154.04(37)
<input type="checkbox"/> Lake Sediment Treatment	NR 154.04(16)	<input checked="" type="checkbox"/> Water and Sediment Control Basins	NR 154.04(38)
<input checked="" type="checkbox"/> Livestock Fencing	NR 154.04(17)	<input checked="" type="checkbox"/> Waterway Systems	NR 154.04(39)
<input checked="" type="checkbox"/> Livestock Watering Facilities	NR 154.04(18)		
<input type="checkbox"/> Milking Center Waste Control Systems	NR 154.04(19)	<input type="checkbox"/> Well Decommissioning	NR 154.04(40)
<input type="checkbox"/> Prescribed Grazing	NR 154.04(22)	<input type="checkbox"/> Wetland Development or Restoration	NR 154.04(41)
<input type="checkbox"/> Relocating or Abandoning Animal Feeding Operations	NR 154.04(23)		
Urban BMPs: NR 154.04(42)		Streambank and Shoreline Protection: NR 154.04(31) (includes associated fencing)	
<input type="checkbox"/> Detention Basin		<input checked="" type="checkbox"/> Stream Crossing	
<input type="checkbox"/> Wetland Basin		<input checked="" type="checkbox"/> Streambank/Shoreline Rip-rapping	
<input type="checkbox"/> Filtration Practice		<input checked="" type="checkbox"/> Streambank/Shoreline Shaping & Seeding	
<input type="checkbox"/> Infiltration Practice		<input checked="" type="checkbox"/> Streambank/Shoreline Fencing	
<input type="checkbox"/> Accelerated or High-efficiency Street Sweeping System		<input type="checkbox"/> Other Streambank/Shoreline Protection (incl. bio-engineering) - specify below	
<input type="checkbox"/> Other (specify)			

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Part I. Screening Requirements (continued)

C. Filters

Note: You must be able to answer "Yes" to questions 1-5 and "Yes" or "N/A" (Not Applicable) to question 6 to be eligible for a grant.

Yes	No							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Project will be completed within 24 months of the start of the grant period.						
<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. Staff and contractors designated to work on this project have adequate training, knowledge, and experience to implement the proposed project.						
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Staff or contractual services, in addition to those funded by this grant, will be provided if needed.						
<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Best management practices constructed under this grant will not work at cross-purposes to (are consistent with) agricultural and non-agricultural performance standards under ch. NR 151. (see Attachment E)						
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. The local DNR Regional Nonpoint Source Coordinator (see Attachment C) has been contacted about this project:						
		<table border="1"> <thead> <tr> <th>Name of the Regional Nonpoint Source Coordinator Contacted</th> <th>Date Contacted</th> <th>Subject of Contact</th> </tr> </thead> <tbody> <tr> <td>Micah Oriedo & Cindy Koperski</td> <td>3/30/07</td> <td>Grant application eligibility</td> </tr> </tbody> </table>	Name of the Regional Nonpoint Source Coordinator Contacted	Date Contacted	Subject of Contact	Micah Oriedo & Cindy Koperski	3/30/07	Grant application eligibility
Name of the Regional Nonpoint Source Coordinator Contacted	Date Contacted	Subject of Contact						
Micah Oriedo & Cindy Koperski	3/30/07	Grant application eligibility						
Yes	No	N/A						
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>						
		6. If this is an application to construct ponds in navigable streams or in wetlands, the necessary waterway or wetland permit (chs. 30 or 281, Wis. Stats.) has been received. If yes, give the docket number and date of issuance.						
		<table border="1"> <thead> <tr> <th>Docket Number</th> <th>Date of Issuance</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Docket Number	Date of Issuance				
Docket Number	Date of Issuance							

If you answered "No" to one or more of the items in question C above, stop here. The project is ineligible.

D. Eligibility: Reason For Controlling Nonpoint Source Pollution In The Target Area

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. The need for compliance with performance standards established by the DNR in ch. NR 151.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. The existence of nonpoint-source-impaired water bodies that the DNR has identified to the U.S. EPA under 33 USC 1313 (d)(1)(A), commonly referred to as the "303(d) List."
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. The existence of outstanding or exceptional resource waters, as designated by the DNR in ss. NR 102.10 and NR 102.11.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Other water quality concerns of statewide or national significance. (<u>Important</u> : You may only check this box, if you are eligible to score 10 points in Part II, Question #4 "Basin Priorities" of this application.)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. The existence of threats to public health.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	6. The existence of an animal feeding operation that has received a notice of discharge (NOD) under ch. NR 243 or a notice of intent (NOI) to issue a notice of discharge.

If you answered "Yes" to one or more of the items in question D above, continue to Part II. Otherwise, stop here. The project is ineligible.

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Part II. Minimum Qualifications**Question 1. Fiscal Accountability****A. Timeline and Source of Staff**

For each applicable milestone listed below, fill in the appropriate data:

Milestone	Target Completion Date (month/year)	Source of Staff
Completion of design	4/08	LCD Staff & DATCP Engineer
Obtaining required permits	NA	NA
Landowner contacts	10/27/03	LCD Staff
CSA signing	6/08	LCD Staff
Bidding	6/08	LCD Staff
DNR approvals	NA	NA
Contract signing	NA	NA
BMP construction	6/08 - 11/09	Private Contractor
Site inspection and certification	Immediately Following Construction	LCD Staff & DATCP Engineer
Project evaluation	12/08	LCD Staff & DATCP Engineer
Purchase street sweeper (urban only)	NA	NA
Other (specify)	NA	NA

B. Adequate Financial Budget

Provide the following information for the project. The grant amount is capped at \$150,000.

FINANCIAL BUDGET TABLE

A	B	C
Project Activity for Which <u>DNR Funding</u> is Requested	Estimated Total Cost (\$)	Amount from Column B Eligible for DNR Cost Sharing (\$)
Construction Components:		
Barnyard Site Preparation (excavaion, sand, and sand grade)	5,200	5,200
Washed Rock & Picket Assembly	950	950
Filterstrip Construction	3,600	3,600
Steel	8,500	8,500
Concrete	26,200	26,200
Seeding/Mulch	750	750
Fencing	1,600	1,600
Construction Management & Inspection Services	0	0
Grassed Waterway Excavation	6,000	6,000
Grassed Waterway Seeding/Mulch	1,850	1,850
Stream Crossing Excavation	3,500	3,500
Rock for Crossing	3,000	3,000
Streambank Shaping	8,000	8,000
Streambank Seeding/Mulch	900	900
1. Construction Subtotal	\$70,050	\$70,050
2. Engineering Services (including design)	\$1,383	\$1,383
3. Storm Sewer Reroute (Urban projects only)	\$0	\$0
4. Structure Removal (Urban projects only)	\$0	\$0
5. Subtotal [add rows 1-4]	\$71,433	\$71,433
6. Property Acquisition: Fee Title & Easement	\$0	\$0
7. Grand Total [add rows 5 & 6]	\$71,433	\$71,433

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Part II. Minimum Qualifications (continued)

Cost-Sharing Worksheet

Eligible Costs:

Multiply the eligible costs (column C) by the percent for proration (if applicable) and the applicable cost-share rate. Enter the result in the column on the right.

		Prorate %	Cost-Share %	
8. Construction, engineering services, etc. (if other percent, specify)		100%	70%	\$ 50,003
Costs Specific to Agricultural Projects:				
9. Land Purchase (Fee Title)	\$ 0	-	50%	\$ 0
10. Agricultural Easements	\$ 0	-	70%	\$ 0
Costs Specific to Urban Projects:				
11. Property Acquisition: Fee Title & Easement	\$	100%	50%	\$ 0
12. Storm Sewer Rerouting		100%	50%	\$ 0
13. Structure Removal		100%	50%	\$ 0
14. Total Eligible Costs [sum (8) through (13)]				\$ 50,003
Cap Test:				
15. Maximum State Share [Lesser of (14) or \$150,000]				\$ 50,003
State & Local Share:				
16. Requested State-Share Amount (Requested Grant Amount)				\$ 50,003
17. Local-Share Amount [(7), column B less (16)]				\$ 21,430

Method(s) Used to Calculate Cost Estimates

Currently the Land Conservation Department(LCD) competitively bid all Barnyard Runoff Control Systems. We use the average cost from the previous year as a guide to determine the estimated cost for barnyards scheduled to be installed the following construction season. On page 21 of this application is a list of the most common practice components that we use and cost estimates that the LCD uses to provide estimates for the landowners installing conservation practices in 2008.

The Buffalo County Land Conservation Committee updates annually a Cost Containment Procedure (Pg. 22-24) that spells out how the LCD provides technical assistance, bidding and the payment process for cost shared practices.

In the past three years, Buffalo County Cost Containment procedure has allowed for structural conservation practices to be built on time and materials and the cost share payment will not exceed 70% of the LCD technicians estimate. Using the time and materials option, we found that lower cost earthwork practices were generally constructed under that of the technicians estimate. With costs increasing every year, Buffalo County will be using a new form "Notice of Conservation Practice Installation." This form will be used for conservation practices where competitive bidding is not required and where cost share funds are being used. The intent of this form is to ensure that the landowner, contractor and LCD have had a discussion on the maximum allowable cost for the practice. An example of this form is on page 25 & 26 of this grant application. The form will also provide a better understanding of the cost share grant to the landowner and contractor.

C. Cost-Effectiveness

1. Tangible Benefits

a. Primary Benefit:

List the nonpoint source pollutants to be controlled by the project.

Unspecified nonpoint sources of pollution, baryard runoff (Reduction of Phosphorus) and elimination of sediment discharge.

b. Secondary Benefits:

Which of the following secondary benefits will be achieved by implementing this project? (check all that apply)

- ☒ Fish and wildlife habitat enhancement
☐ Enhancements to recreation
☐ Public safety

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Part II. Minimum Qualifications (continued)

☒ Economical operation, economical maintenance and enhanced life expectancy of the BMP

☐ Other (specify):

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Part II. Minimum Qualifications (continued)

2. Cost-Effectiveness

Explain why the proposed project is cost-effective considering the environmental benefit(s) and cost of the project.

The concrete barnyard runoff control system proposed in this project was chosen as the best management practice for the situation. Through the installation of this conservation practice, we (LCD & Landowner) can reduce phosphorus runoff from 58.1 lbs./year to 2.9 lbs./year (Pgs. 27 & 28). In the last five years, Buffalo County Land Conservation Department has received cost-share grant funds through DNR TRM program and DATCP Land & Water Resource Management grant funds to install eleven barnyard runoff control systems in the Lower Buffalo River Watershed, such as the one proposed in this application. The findings from the installation of these barnyard practices, by using the BARNY model shows there has been a significant reduction in phosphorus discharge to the Lower Buffalo River.

The barnyard runoff control system will use the Natural Resource Conservation Service (NRCS) practice standard #350 sediment basin, #635 wastewater treatment strip and #393 filter strip. Each landowner who installs a barnyard runoff control system must follow an operation and maintenance agreement for 10 years following construction. This entails: cleaning the lot every 10 days or sooner, inspect the screen assembly to ensure it is free flowing, stack manure scrapings on upstream areas of the lot, cut and remove filter strip clippings at least two times/year, clean out spreader pad basin as needed and prevent grazing and farm traffic in the filter area.

There will be 600' of streambank protection #580. It will be constructed at a 4:1 sideslope or flatter. The area may be fenced on one side adjoining the pasture ground, the other side will be left open as this is adjoining cropland. The landowner will maintain the banks with a mower in the future. As it is right now, cattle have unrestricted free access to the stream. A stream crossing #578 will also be implemented at the site. This will enable the landowner to cross the creek at a stable crossing.

The grassed waterway, #412 is also designed by using a 10 year, 24 hour storm event. By using the Concentrated Flow Worksheet, it has been determined that roughly 97 tons/yr of soil are deposited downstream via the unconstructed waterway. By implementing a constructed waterway in conjunction with the Grade stabilization, soil loss will be at zero tons/year. If left untreated, the existing water run will continue to gouge away at the landscape and again increase each year in sedimentary discharge.

Yes

☐

No

☒

3. Alternatives

a. There is more than one way to achieve the benefits checked above. If no, go to part b.

1) If **yes**, complete the following table with information for the alternative you have chosen and one or two other alternatives. Note that the table requires information about the cost and pollutant load/potential reductions.

Alternatives Analysis				
	A	B	C	D
	Alternative	Cost	Effectiveness	(B ÷ C) Cost-Effectiveness
		Estimated Amount	Estimated % of Pollutant Load Reduction	
1		\$	%	
2		\$	%	
3		\$	%	

2) If the applicant is not choosing the alternative with the lowest ratio of cost to pollutant load/potential reductions, explain why it was not chosen in terms of any of the following: feasibility, secondary benefits potential, or other mitigating factors.

TRM Grant Project Name Pp Barnyard Management

Part II. Minimum Qualifications (continued)

-
- b. If the answer to part 3.a. was **no**, explain why there is no other reasonable alternative to achieve the reduction in pollutant loading/potential or the secondary benefits checked above.

The concrete barnyard runoff control system is the most efficient way for the landowner to manage his barnyard area. Our experience shows that when a landowner is interested in finding a solution for their barnyard runoff, they are looking for a long-term solution and which is efficient to manage. The landowner in this project is a small family farm and without the use of outside labor, time management has become as important as money management. The additional utilization of manure will be much appreciated as far as a nutrient aspect and fertilizer savings will come into play. A lot of times farmers don't realize how much manure a cow deposits onto a barnyard until they have concrete, scraping up the manure and actually being able to calculate costs savings is unforcene to many.

Barnyard runoff control systems are designed and constructed to NRCS conservation standards and procedures, the installed barnyard will have phosphorus runoff levels of less than 5lbs. throughout the longevity of the practice. Landowners will need to do their part and follow the Operation & Maintenance Plan (Pg. 29), to ensure the functionality of the system. The Land Conservation Staff periodically make visits to past projects just checking on the condition of the concrete and make sure the practice is functioning correctly.

By using the BARNY model, we can make sure that the designed project has phosphorus output levels of less than 5 lbs. annually. This practice has proven to be the best BMP for the farmer and for Buffalo County.

The waterway in conjunction with the streambank protection is also an efficient way to control sediment runoff from agricultural fields. The grassed waterway will further help reduce soil deposition into the creek while the streambank work will provide some buffer area from the pasture and the agricultural fields. The life of the waterway is very dependent upon the cropping method used, in this case the landowner has a conservation plan and plans to follow it as long as he operates his farm.

The stream crossing will enable the landowner access to either side of the creek. Instead of dealing with the muck which is currently on site, a stable access point will be implemented for the landowner.

TRM Grant Project Name
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Part II. Minimum Qualifications (continued)

Question 2. Project Evaluation Strategy

The applicant must agree to provide a description of the modeled results or changes in pollution potential in the final project report. The project evaluation strategy will be based on comparing pre- and post-project changes in modeled pollutant loading to water resources or will be based on the quantity of units managed.

A. Modeling & Measures of Change

Pre- and post-project evaluation measures that the applicant will use to ensure success in meeting project goals:
 (check all that apply)

	Agricultural Performance Standard or Prohibition	Units of Measure	Recommended Measurement Method
<input type="checkbox"/>	Sheet, rill and wind erosion	Acres meeting T	RUSLE-2 or wind erosion model
<input type="checkbox"/>	Manure Storage Facilities: New Construction/Alterations	Number of facilities	count
		Number of animal units	count
<input type="checkbox"/>	Manure Storage Facilities: Closure	Number of facilities	count
<input type="checkbox"/>	Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities	count
		Number of animal units	count
<input type="checkbox"/>	Clean Water Diversions in WQMA	Pollutant load reduction	BARNY Model
		Number of farms with diversions	count
		Number animal units	count
<input type="checkbox"/>	Nutrient Management on Agricultural Land	Acres planned	count
<input type="checkbox"/>	Prohibition: Manure Storage Overflow	Number of facilities	count
		Number of animal units	count
<input type="checkbox"/>	Prohibition: Unconfined Manure Pile in WQMA	Number of farms	count
<input checked="" type="checkbox"/>	Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction	BARNY Model
		Number of facilities	count
		Number of animal units	count
<input type="checkbox"/>	Prohibition: Unlimited Livestock Access	Feet of bank protected	count
		Number of farms	count
Other Priority for Agricultural Area			
<input type="checkbox"/>	Buffers	Feet of bank protected	CREP formula
		Number of farms	count
<input checked="" type="checkbox"/>	Streambank	Tons of bank erosion reduced	NRCS bank erosion formula
		Feet of bank protected	count
<input checked="" type="checkbox"/>	Other (specify) Soil Loss Worksheet	Tons of soil lost reduced	count
Priority for Developed Urban Area			
<input type="checkbox"/>	20-40% Reduction in Total Suspended Solids (TSS)	Pounds TSS reduced	SLAMM, P-8
		% TSS reduction	
<input type="checkbox"/>	Infiltration	% Pre-development stay-on volume	Recarga, SLAMM, P-8
		Cubic feet stay-on volume	
<input type="checkbox"/>	Peak flow discharge	Change in cubic feet per second	TR-55 or equivalent
<input type="checkbox"/>	Protective areas	Feet of bank protected	count
<input type="checkbox"/>	Fueling & maintenance areas	Oily sheen presence	visual assessment
<input type="checkbox"/>	Streambank	Tons of bank erosion reduced	NRCS bank erosion formula
		Feet of bank protected	count
<input type="checkbox"/>	Other (specify)		

Yes No

B. Monitoring (not eligible for cost sharing at this time)

- ☐ ☒ The project evaluation strategy will provide pre- and post-project information from water resource monitoring. If "Yes," check all that apply below.
- ☐ The project will evaluate the physical habitat, fisheries, biological, or chemical conditions.
- ☐ A one-page summary of the monitoring strategy is attached.

TRM Grant Project Name
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Part II. Minimum Qualifications (continued)

- Yes No **C. Additional Monitoring**
☒ ☐ The applicant is willing to participate with the Department to do monitoring in the project area should funding become available.

Question 3. Evidence of Local Support

The level of local support that currently exists for the proposed project.

Agricultural Projects:

- Yes No **A. Government**
1. **Regulatory Situations** *If yes to both items (A. 1.a & A. 1.b) below, go to Question 4. Otherwise, continue to part A2 of this question.*
- ☐ ☒ a. At least 75% of the total project cost is attributed to the resolution of a Notice of Discharge (NOD) or a Notice of Intent to Issue an NOD (NOI) under ch. NR 243 or non-compliance with agricultural performance standards and prohibitions under subch. II of NR 151 or a local regulation.
- ☐ ☒ b. At least one of the following is attached to this application form:
1. copy of the NOI issued under NR 243, or
 2. copy of the NOD issue under NR 243, or
 3. copy of letter signed by DNR stating that DNR will issue an NOI or NOD under NR 243 if cost sharing is provided, or
 4. copy of letter signed by DNR and the county that a notice, under s. NR 151.09 or 151.095, will be issued if necessary, or
 5. copy of letter signed by the county that the local regulation will be enforced at the project site.
2. **Non-Regulatory Situations**
- ☐ ☒ a. The governmental unit has developed:
- i. a detailed pollution control plan with the landowners that identifies specific best management practices (BMPs).
 - ii. general assessments of the pollution sources within the project area.
- ☒ ☐ b. The governmental unit has contacted the landowner(s)/land operator(s) about the proposed BMP installations.

If yes, provide details.

Typically each landowner signs a "Commitment Form" (Pg. 30 & 31) which shows his/her interest in proceeding with the project, pending grant approval. A recent site visit was completed with the landowner and LCD technical staff following the visit from the DNR Basin Leader and county conservationist and the landowner verbally agreed to start a process to correct his resource concerns through this grant application.

- Yes No **B. Landowners & Partners**
1. **Level of Landowner Participation**
- ☒ ☐ a. A majority of the affected landowners/land operators have specifically indicated that they will sign a cost-share agreement (CSA) to install the practices requested in this grant application.
- ☒ ☐ b. A majority of the affected landowners/land operators have indicated a general interest to participate in the project.
- ☐ ☒ c. Letters of support for the project from affected landowners/land operators are attached.
2. **Involvement of Partners**
- ☒ ☐ a. Partners, in addition to the unit of government (applicant) and landowner, have committed resources (materials, equipment, staff or financial resources) towards the BMP installation, maintenance, or evaluation of the project.

If yes, list the project partner(s).

The Buffalo County Board of Supervisors supports the LCD in our search for financial assistance through the Targeted Runoff Management program (Pg. 32).

- ☐ ☒ b. Letters of support from the project partner(s) are attached.

TRM Grant Project Name
Pp Barnyard Management

Part II. Minimum Qualifications (continued)

Urban Projects:

- | | | |
|---|--------------------------|--|
| Yes | No | A. Government |
| | | 1. The local-share funds for the construction/installation expenses: |
| <input type="checkbox"/> | <input type="checkbox"/> | a. are already included specifically in an <u>adopted</u> budget. |
| <input type="checkbox"/> | <input type="checkbox"/> | b. will be included in a <u>proposed</u> budget. |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. The governmental unit has already conducted public information activities within the project area for this practice. |
| <p>If yes, provide details on the opportunity for public reaction the governmental unit provided and indicate the general public support or non-support for the project that was indicated.</p> | | |
| <hr/> | | |
| Yes | No | B. Landowners |
| | | 1. The governmental unit: |
| <input type="checkbox"/> | <input type="checkbox"/> | a. already owns, or holds an easement for, the land on which the project is to be installed. |
| <input type="checkbox"/> | <input type="checkbox"/> | b. is submitting with the application a list of landowners, occupants, or tenants that occupy the property and information indicating each party's willingness to sell or ease the necessary parcel. |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Evidence of citizen (non-governmental) support for the project (such as letters from the neighborhood association, a civic group or an environmental organization voicing support) is attached. |

Question 4. Basin Priorities (check one, A-H)

- ☒ **A. Clean Water Act s. 303(d) List of Impaired Waters**
 Project with water quality goals directly dealing with a waterbody (lake or stream) on the latest Clean Water Act (CWA) s. 303(d) List of impaired waters, where the cause of the water quality impairment is nonpoint source pollution, and will reduce the type of nonpoint source pollutants for which the water is listed.
- ☐ **B. Outstanding and Exceptional Resource Waters**
 Waterbody is included in s. NR 102.10 (Outstanding Resource Waters) and/or s. NR 102.11 (Exceptional Resource Waters).
- ☐ **C. NPS Rankings**
 Project is located in a large-scale watershed, a small-scale watershed, lake watershed, or other area ranked high or medium on the NPS Rankings List, where the goals of the project are directly associated with the reason for the ranking on the NPS Rankings List.
- ☐ **D. Amendment of the NPS Rankings List Using State of the Basin Reports**
 Project is located within a watershed ranked low or not ranked on the NPS Rankings List, but information in a DNR State of the Basin report indicates a need to amend the NPS Rankings List because the stream, stream segment, or lake is being affected by nonpoint sources of pollution.
- ☐ **E. Amendment of the NPS Rankings List Using Other Data Sources**
 Project is located within a watershed ranked low or not ranked on the NPS Rankings List, but adequate data exists to request a ranking of high or medium for a waterbody that that is being affected by nonpoint sources of pollution.
- ☐ **F. Sources of Information for Areas Not Included in State of the Basin Reports**
 For some border waters, there is no State of the Basin report (i.e., along the Mississippi River or the Great Lakes). For these situations, another governmental document, accepted by the Regional NPS Coordinator, can be used to classify the resource as having a significant nonpoint source pollution impairment.
- ☐ **G. Governmental Notices**
 The applicant has checked "Yes" to both parts of Part II, Question 3, A.1.
- ☐ **H. Not Included in Other Categories Above**

TRM Grant Project Name
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Part III. Competitive Elements

Question 5. Water Quality Needs

The water quality category which best identifies the water quality goals for the project directly deals with: (check one)

Note: For border waters where a State of the Basin Report does not exist, another governmental document acceptable to the Regional Nonpoint Source Coordinator may be used to identify the water quality need.

Surface Water Considerations

- ☒ **A. 303(d) Listed Waterbody**
A waterbody (lake or stream) on the latest Clean Water Act (CWA) s. 303(d) List of impaired waters, where the cause of the water quality impairment is nonpoint source pollution, **and** will reduce the type of nonpoint source pollutants for which the water is listed.
- ☐ **B. Not Fully Meeting Uses**
A waterbody (lake or stream) identified in a DNR State of the Basin report as not meeting or partially meeting designated uses due to nonpoint sources, but is not on the 303(d) List.
- ☐ **C. Threatened Waterbody**
A waterbody (lake or stream) viewed as "threatened" by nonpoint sources in a DNR State of the Basin report.
- ☐ **D. Outstanding or Exceptional Resource Waters**
Prevention of degradation due to nonpoint sources of outstanding or exceptional resource waters or high quality, recreationally significant waters, but not including waters listed as "threatened."
- ☐ **E. Surface Water Quality**
Prevention surface water quality degradation due to nonpoint sources. Waters in this category are neither high quality, recreationally significant waters nor "threatened" waters.

Groundwater Considerations*

- ☐ **F. Exceeds Groundwater Enforcement Standard**
Groundwater within the project area where representative information indicates there are levels for NPS contaminants that exceed groundwater enforcement standards.
- ☐ **G. Groundwater Quality**
The project area is within a geological area defined in s. NR 151.015(18) as susceptible to groundwater contamination. See **Attachment G**.
- ☐ **H. Exceeds Groundwater Preventive Action Limit**
Groundwater within the project area where representative information indicates there are levels for NPS contaminants that exceed groundwater preventive action limits.

**Work with the regional DNR drinking water and groundwater specialist or the county extension office.*

Bonus Points:

Yes No

- ☐ ☒ Water quality goals relate to the control of nonpoint source contaminants in public drinking water supplies.

1. If yes, and the source of drinking water affected by the project area is groundwater, the project protects:

☐ a. One wellhead

OR

☐ b. More than one wellhead

2. If yes, and the source of drinking water affected by the project area is surface water, check the source water assessment area (drainage area) in which the project is located:

☐ Pike River & Creek

☐ Root River

☐ Oak Creek

☐ Milwaukee River

☐ Sauk Creek

☐ Sheboygan & Onion Rivers

☐ Manitowoc River

☐ Twin Rivers

☐ Kewaunee & Ahnapee Rivers

☐ Menominee River

☐ Fish Creek

☐ St. Louis & Nemadji Rivers

☐ Lake Winnebago

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Part III. Competitive Elements (continued)

Question 6. Extent of Pollutant Control

- Yes ☒ No ☐ **A. NR 151 Agricultural Performance Standards & Prohibitions**
- The proposed project addresses at least one of the NR 151 agricultural performance standards and prohibitions. Indicate the performance standard(s) or prohibition(s) that is the focus of this project. (check all that apply)
- ☐ a. Sheet, rill, and wind erosion. (NR 151.02)
 - ☐ b. Manure storage facilities: new/significant alterations. (NR 151.05(2))
 - ☐ c. Manure storage facilities: closure. (NR 151.05(3))
 - ☐ d. Manure storage facilities: existing failing/leaking. (NR 151.05(4))
 - ☐ e. Clean water diversions. (NR 151.06)
 - ☐ f. Nutrient management. (NR 151.07)
 - ☐ g. Prohibition: Prevention of overflow from manure storage facilities. (NR 151.08(2))
 - ☐ h. Prohibition: Prevention of unconfined manure piles in water quality management areas (within 300 ft. of a stream, 1000 ft. of a lake, or areas where the groundwater is susceptible to contamination). (NR 151.08(3))
 - ☒ i. Prohibition: Prevention of direct runoff from a feedlot or stored manure into waters of the state. (NR 151.08(4))
 - ☐ j. Prohibition: Prevention of unlimited livestock access to waters of the state where high concentrations of animals prevent the maintenance of adequate sod cover or self-sustaining vegetation. (NR 151.08(5))

- Yes ☐ No ☒ **B. Other Water Resources Management Priority**
- The proposed project addresses a water resources management priority other than an NR 151 agricultural performance standard or prohibition.
- If yes, describe the priority and how the project addresses this priority.

- Yes ☐ No ☒ **C. Planning Data & Source Targeting**
- The applicant has quantitative planning information that ranks pollution sources from highest to lowest in severity and the proposed project will manage a pollution source contained in the top 50% of the ranked list. If yes, provide:
- a. Description of planning data
 - b. Name of document(s)
 - c. Date(s) published
 - d. Pertinent page numbers
 - e. A copy of non-state document(s) is available:
 - ☐ At this website: http://
 - ☐ Attached to this application form.
 - ☐ Contact this person: Name: Phone:

TRM Grant Project Name
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Part III. Competitive Elements (continued)**Question 7. Consistency with Resource Management Plans**

Yes No

- ☒ ☐ The project implements a water quality recommendation from a locally approved resource management plan.
Summarize the water quality recommendation. Cite the name and date(s) of publication of the document.
Goal #1 is to reduce sedimentation to the streams by addressing gully erosion, reducing streambank erosion and reduce sheet, rill, and ephemeral erosion (Buffalo County Land and Water Resource Management Plan, 2/06). This project also addresses Goal #2 of the Buffalo County Management Plan, Address Nutrient Management Problems by reducing direct runoff from feedlots through the installation of barnyard runoff control systems and the promotion of nutrient management planning.

Question 8. Use of Additional Funding

Yes No

- ☒ ☐ A. The state share is below the \$150,000 cap.
☒ ☐ B. Funding requested is below the maximum allowable cost-share rate.

Question 9. City of Racine

Yes No

- ☐ ☒ This is an application from the City of Racine for a project that is necessary for the city to comply with state storm water permitting requirements.

TRM Grant Project Name
Pp Barnyard Management

Part IV. Eligibility for Multipliers

Completion of this part of the application is optional. However, an applicant can increase the final project score by qualifying for a project multiplier.

Agricultural Projects (select all that are in place as of the application submittal date)

A. Local Implementation Program (factor 0.1) (check all that apply)

Check activities listed below that are part of the local program to implement agricultural performance standards and prohibitions contained in ch. NR 151. Check all activities that apply. An activity may be checked "Yes" if either of the following is true:

- The activity is currently assigned to the applicant, or another local unit of government, in an approved Land and Water Resources Management Plan (LWRMP), an updated LWRMP work plan or an inter-governmental agreement with the Department of Natural Resources. List the document and page number where the activity is addressed.
- The activity is not currently assigned in one of these documents, but the applicant describes, in the space provided below, who will conduct the activity.

Yes	No			Document			Page Number
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.	Inform and educate landowners/operators about performance standards and prohibitions.	Buffalo Plan	County	LWRM	17,18,64,66
<input checked="" type="checkbox"/>	<input type="checkbox"/>	2.	Conduct compliance status surveys, including on-site visits, for croplands and livestock facilities and convey compliance status to landowners/operators.	Buffalo Plan	County	LWRM	17,32,50,51
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3.	Discuss with landowners/operators the best management practices needed to achieve compliance with performance standards and prohibitions.	Buffalo Plan	County	LWRM	17,63,64,66
<input checked="" type="checkbox"/>	<input type="checkbox"/>	4.	Seek financial assistance for landowners/operators to achieve compliance with performance standards & prohibitions.	Buffalo Plan	County	LWRM	17,18,62,63,65,66
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5.	Develop cost-share agreements with landowners/operators and provide them with technical assistance to achieve compliance with performance standards & prohibitions.	Buffalo Plan	County	LWRM	16,17,62,63,65
<input checked="" type="checkbox"/>	<input type="checkbox"/>	6.	Track compliance status of croplands and livestock facilities and provide compliance status information to the Department of Natural Resources upon request. This includes notifying DNR when a landowner/operator does not comply with a notice issued under NR 151.09 or NR 151.095.	Buffalo Plan	County	LWRM	32,33,34
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.	Provide assistance to the Department of Natural Resources to issue notices under NR 151.09 and NR 151.095.	Buffalo Plan	County	LWRM	33,34
<input checked="" type="checkbox"/>	<input type="checkbox"/>	8.	In situations where local regulations do not require compliance with a performance standard or prohibition, refer cases of non-compliance to the local district attorney or the Department of Natural Resources.	Buffalo Plan	County	LWRM	34

If an item checked above is not covered by a LWRMP, an updated LWRMP work plan or an Inter-Governmental Agreement (IGA) with DNR, list the activity and identify who will carry it out.

If all items (1-8) above are checked "Yes," go on to part B. Otherwise, stop here.

TRM Grant Project Name
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Part IV. Eligibility for Multipliers (continued)

B. Local Enforcement Program – Scope of Local Regulations (factor 0.15) (check all that apply)

The ten agricultural performance standards and prohibitions included in chapter NR 151 are listed below. For each of these performance standards and prohibitions, determine if a local regulation currently exists. If a local regulation exists, check the appropriate column based on whether the local regulation provides "full coverage" or "partial coverage" of the state standard. Definitions and examples of full coverage and partial coverage are provided in the Instructions.

Title(s) of ordinance(s) for which credit is taken in this section:

Buffalo County Manure Management Ordinance "Draft"

Copies of ordinances for which credit is taken in this section are:

- ☐ Found at this website (provide http://
most direct web page URL): _____
- ☐ Attached to this application form.
- ☒ Already submitted with another application.

Full Coverage	Partial Coverage	Agricultural Performance Standards & Prohibitions	Wis. Adm. Code
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Sheet, rill and wind erosion	NR 151.02
<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. Manure Storage Facilities: New/Significant Alterations	NR 151.05(2)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Manure Storage Facilities: Closure	NR 151.05(3)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Manure Storage Facilities: Existing Failing/Leaking	NR 151.05(4)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Clean Water Diversions	NR 151.06
<input checked="" type="checkbox"/>	<input type="checkbox"/>	6. Nutrient Management	NR 151.07
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Prohibition: Manure Storage Overflow	NR 151.08(2)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	8. Prohibition: Unconfined Manure Pile	NR 151.08(3)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	9. Prohibition: Direct Runoff From Feedlot/Stored Manure	NR 151.08(4)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Prohibition: Unlimited Livestock Access	NR 151.08(5)

Urban Projects (select all that are in place as of the application submittal date)

Title(s) of ordinance(s) for which credit is taken in this section:

Copies of ordinances for which credit is taken in this section are:

- ☐ Found at this website (provide http://
most direct web page URL): _____
- ☐ Attached to this application form.
- ☐ Already submitted with another application.

Yes	No	A. Local Implementation Program (factor .1)
<input type="checkbox"/>	<input type="checkbox"/>	1. Implement a construction site erosion control ordinance consistent with the performance standards and applicability requirements of s. NR 151.11.
<input type="checkbox"/>	<input type="checkbox"/>	2. Implement a pollution prevention information and education program targeted at residents, including property owners.
<input type="checkbox"/>	<input type="checkbox"/>	3. Implement nutrient management for municipally owned properties where nutrients are applied to at least five acres. (You may check "Yes" if this item does <u>not</u> apply.)
<input type="checkbox"/>	<input type="checkbox"/>	4. Track, evaluate and report to DNR the status of erosion control and storm water permit activity.

If all items (1-4) above are checked "Yes," go on to part B. Otherwise, stop here.

Yes	No	B. Local Enforcement Program (factor .15)
<input type="checkbox"/>	<input type="checkbox"/>	1. There is a storm water management ordinance in effect for new development and re-development in the project area.
<input type="checkbox"/>	<input type="checkbox"/>	2. The local regulation requires a written storm water plan.

TRM Grant Project Name
Pp Barnyard Management

Part IV. Eligibility for Multipliers (continued)

If items B.1. and B.2. are checked "Yes," go on to part B.3. Otherwise, stop here.

3. Check the box next to any of the listed non-agricultural performance standards if there is a local regulation currently in place that requires compliance with that performance standard. (An item may be checked "Yes" only if the minimum applicability requirements of NR 151.12 are met.) (check all that apply)

Yes	No	Non-Agricultural Performance Standards	Wis. Adm. Code
<input type="checkbox"/>	<input type="checkbox"/>	a. Reduce total suspended solids per	NR 151.12(5)(a)
<input type="checkbox"/>	<input type="checkbox"/>	b. Reduce peak flow discharge per	NR 151.12(5)(b)
<input type="checkbox"/>	<input type="checkbox"/>	c. Achieve infiltration per	NR 151.12(5)(c)
<input type="checkbox"/>	<input type="checkbox"/>	d. Protect riparian areas per	NR 151.12(5)(d)
<input type="checkbox"/>	<input type="checkbox"/>	e. Manage fueling and vehicle maintenance areas per	NR 151.12(5)(e)

Optional Additional Information

Carefully review the answers to all of the questions above. Is there additional information that will add to the understanding of this project? If so, describe here.

Julie Fernholz (Buffalo County Conservationist) and Dan Helsel (DNR Basin Leader) visited this particular site and both have agreed that this is a high priority site. In this grant, numerous practices have been mentioned which we feel that are necessary on this farmstead (Pg. 33).

Applicant Certification

An Authorized Representative must sign and date the application form prior to submittal to the DNR. All four copies must include original signatures of the Authorized Representative.

I certify that, to the best of my knowledge, the information contained in this application and attachments is correct and true.

Signature of Authorized Representative	Date Signed
--	-------------

Julie Fernholz County Conservationist

[name and title]

Telephone Number **608-685-6261**

Fax Number **608-685-6213**

E-Mail Address **julie.fernholz@buffalocounty.com**

Mailing Address **PO Box 88 - 407 S. Second Street Alma WI 54610**

To be considered for funding, provide the following for each application submitted:

- One copy of the completed application form (DNR Form 8700-300 (R 1/07)) with [original signature in blue ink](#)
- Three additional copies of the completed, signed application form
- One electronic copy of the completed application form on CD or diskette

All application materials must be postmarked by midnight April 16, 2007.

Send to: Department of Natural Resources
Attn: Kathy Thompson, WT/2
P.O. Box 7921
Madison, WI 53707-7921