

Final Report

Agricultural Targeted Runoff Management &
 Notice of Discharge Grant Programs

Form 3400-189A (R 05/16)

Page 1 of 2

NOTICE: This document is required under s. 281.65, Wis. Stats., and chs. NR 153 and 154, Wis. Adm. Code. A final project report must be submitted as part of the final reimbursement request. Personally identifiable information contained in this form will be used for determining reimbursement eligibility in the Targeted Runoff Management and Notice of Discharge Grant Programs and will not be used for any other purpose.

INSTRUCTIONS: Send the completed, electronic copy of this form and all attachments to the Department of Natural Resources (DNR) Region Nonpoint Source Coordinator. Please read all instructions prior to completion.

Grant Type			
Select Grant Type Small Scale Total Maximum Daily Load (TMDL)			
Project Name & Location			
Project Name Moritz Clean Water Project			
Grant Number TMD-TMD67000Y16		Governmental Unit Name Washington County	
County Washington	Watershed Name East Branch Rock River	12-Digit HUC 070900010105	
Project Contact Name Paul Sebo		Phone Number (262) 335-4805	E-mail Address paul.sebo@co.washington.wi.us
<input type="checkbox"/> For a project with multiple site locations, an aerial photo map is attached with each site location labeled.			

Site Location - 1							
Name of Cost-Share Recipient Peter H. Moritz					Animal Units 106	Nearest Receiving Waterbody Allenton Creek	
Township 11	Range 18	E / W E	Section 2	Quarter SW	Quarter/Quarter SW	Latitude 43.443	Longitude -88.321
Compliance Requirements - 1							
Chs. NR 151 or 243 Wis. Adm. Code Notice Type NR 151		Notice letter attached <input type="checkbox"/>	Compliance achieved? If no, explain in site information <input checked="" type="radio"/> Yes <input type="radio"/> No			Compliance determination letter attached <input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Attached is a copy of the written statement the County provided to the landowner and cost-share recipient of the landowner's obligation to maintain compliance with performance standards & prohibitions on cropland and livestock facilities addressed by the cost-share agreement. Compliance at these sites must be maintained in perpetuity regardless of future cost sharing. The County has also placed a copy of this written statement in the County files.							

Summary of Results - 1							
Best Management Practice Installed	Quantity	Unit of Measure	Performance Standard/Prohibition Addressed	Total Installation Cost	Load Reduction		
					Phosphorus lbs/yr	Nitrogen lbs/yr	Sediment Tons/yr
Roofs	1	No.	Code(s) 12	\$141,151.00	92		
Barnyard Runoff Control Systems	1	No.	Code(s) 12	\$23,900.00			
Roof Runoff Systems	1	No.	Code(s) 12	\$4,149.00			
Access Road	70	Feet	Code(s) 12	\$10,705.00			

Site Location Attachment - 1	
Check the box if the required information for the site is attached:	
<input checked="" type="checkbox"/> Photos of pre-and post-implementation of BMP(s)	<input checked="" type="checkbox"/> Load reduction modeling documents
<input type="checkbox"/> Aerial photo map of site with BMPs labeled	<input type="checkbox"/> Water quality monitoring results/summary, if applicable

Site Information - 1

Narrative space will expand to fit

This project consisted mainly of constructing a roof over an existing animal feedlot and winter manure stacking area. The additional practices of barnyard runoff control, roof runoff system and access road were to ensure off-lot runoff water was successfully diverted off or away from entering the feed lot. In addition to constructing some low walls/curbs to prevent any potential runoff or manure from leaving the area under the roof. As a result this project, as proposed, will provide a 100% reduction in the phosphorus loading. The BARNY model run indicates a 92 pound reduction in annual phosphorus loading from the combination of practices as listed above.

DNR may use this site as a success story to meet state and federal reporting needs.

Additional Project Information and/or Comments

Narrative space will expand to fit

The largest challenge we had with this project was costs. The existing building layout provided challenges in roof design which in-turn increased costs dramatically from our original estimate even with our attempts of having roof designers look and estimate the project cost prior to original grant application. In the end we provided additional grant funds through DATCP - SWRM Program to complete the feedlot runoff project. This resulted in a lack of financial ability to completely address some of the upland field management items that were mentioned in the original grant application. Cost share funding and availability of landowner finances played a big part in this decision. We will continue to engage the landowner over the next couple years to address outlying concerns.

Grantee Certification

A responsible government official (authorized signatory) must authorize and date the final report form prior to submittal to DNR.

I certify that, to the best of my knowledge, the project is complete and the information contained in this final report and attachments are correct and true.

Name of Authorized Government Official	Title of Authorized Government Official	Date
Debora Sielski	Deputy Planning and Parks Administrator	12/20/2017

For DNR Use Only

Received complete reports with all attachments Practices implemented were consistent with the grant agreement

Comments about this project:

Did not visit site, review based on documentation and pre and post construction photos.

Name of Region Nonpoint Source Coordinator	Date
Lisa Creegan	12/29/2017

Send the Final Report and attachments to the Community Financial Assistance Grants Manager and to the Runoff Management Grant Coordinator. Keep a printed copy for the Region file.

Final Report Agricultural Targeted Runoff Management Grant Program

PROJECT NAME: Moritz Clean Water Project

Grant Number: TMD-TMD67000Y16



Before: Looking at open lot and manure stack



After: Constructed roof over feedlot and manure stack



Before: Open manure stack



After: Roofed feedlot and manure stack



Before: Ditch, discharge point of open feedlot and manure stack



After: Covered Feedlot and stacking area



Washington County

Planning and Parks Department

Land and Water Conservation Division

December 20, 2017

Peter H Moritz
6912 County Road WW
West Bend, WI 53090-9342

Subject: NR 151 Letter of Satisfaction

Dear Peter:

The purpose of this letter is to acknowledge that by the implementation of the Barnyard Runoff Control-Roof Best Management Practice (BMP) the Washington County Land and Water Conservation Division has determined that you are now in compliance with the specifically listed Agricultural Performance Standards and Prohibition on the area(s) described:

<u>Agricultural Performance Standard/Prohibition</u>	<u>Description of Compliance Location</u>
NR 151.08(4) A livestock operation shall have no direct runoff from a feedlot or stored manure into the waters of the state.	T1_0036 -- Home Farm

This NR 151 Letter of Satisfaction pertains to an evaluation and NR 151 Status Report Reference Number Rev_17 with a date of determination 12/20/2017. In accordance with ch. NR 151 Wis. Adm. Code, any practice or facility that is in compliance with a performance standard or prohibition must now remain in compliance regardless of program participation or future government cost sharing and failure to do so is a violation of state law.

Thank you for your conservation efforts protecting and improving land and water resources in Washington County. If you have any further questions or concerns, please contact me at the Washington County Land and Water Conservation Division 262-335-4800.

Sincerely,

Paul B. Sebo
County Conservationist

DESIGN A BUFFER USING BARNY

Farmer: Mortiz Planner/Designer: Sebo Date: 4/9/15

	Input	Output	
Closest City of similar climate:	1		1 Madison 2 Appleton 3 Wausau 4 Eau Claire
Paved lot area:	10,240		sq ft
Earth lot area:			sq ft
Animal Lot size:		10,240	sq ft
Is there a designed settling basin?	2		Yes= 1; No= 2
Animals on lot:	45		number
Type of animal:	1		(Dairy = 1; Beef=2)
Ave. Animal Weight:	1,400		lbs
Lot Use:	1		1= Heavy;2=Med;3= Light)

TRIBUTARY AREAS

Tributary area:	270	sq ft	<input type="text"/>	sq ft
Runoff Curve Number:	89			← See RCN tab below for typical values
Roof Trib. area:	3,500	sq ft		

92.0 lbs P per year
at downstream lot edge

Maximum P output that can be released	15	lbs	Your choice based on impacted resources. Max is 15.
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Buffer Sizing by trial and error:

Length:	<input type="text"/>	ft	
Width:	<input type="text"/>	ft	
Buffer area:			0 sq ft NO GOOD, too small Minimum buffer size is: 15,360
Slope:	<input type="text"/>	%	
c value	<input type="text"/>		For c values see table below

P Output: lb

BUFFER SUMMARY	No buffer dimensions are shown because the P output is too high.						
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