

Final Report

Agricultural Targeted Runoff Management &
 Notice of Discharge Grant Programs

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 Non Total Maximum Daily Load (TMDL)							
Project Name & Location							
Project Name Nick DeBaker Trust							
Grant Number TRC-TRC31000AY16				Governmental Unit Name Kewaunee County			
County Kewaunee		Watershed Name Red River - Frontal Green Bay			12-Digit HUC 040301020407		
Project Contact Name Davina Bonness				Phone Number (920) 845-9743		E-mail Address bonness.davina@kewauneeeco.org	
<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 John J. DeBaker Trust					Animal Units 200	Nearest Receiving Waterbody Unnamed Trib to Green Bay	
Township 25	Range 23	E / W E	Section 30	Quarter NW	Quarter/Quarter SW	Latitude 44.612824	Longitude -87.762971
Compliance Requirements - 1							
Chs. NR 151 or 243 Wis. Adm. Code Notice Type		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
Barnyard Runoff Control Systems	1	No.	Code(s)	\$138,007.00	987.8	6386	0
Manure Storage Systems	1	No.	Code(s)	\$15,893.00	w/above	w/above	0
Roof Runoff Systems	1	No.	Code(s)	\$1,679.00	0	0	0

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 checked="" 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

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Form 3400-189A (R 05/16)

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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

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
Davina Bonness	County Conservationist	12/08/2017

For DNR Use Only

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

Comments about this project:

Name of Region Nonpoint Source Coordinator	Date
Erin Carviou	12/18/2017

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.





Kewaunee County

LAND & WATER CONSERVATION DEPARTMENT

December 20, 2017

Nick & John DeBaker
N7966 Countyline Road
Luxemburg, WI 54217

Subject: Compliance of Performance Standards and Prohibitions

Dear Mr. DeBaker,

Thank you for your most recent efforts to improve and protect our state's water resources. This letter is to acknowledge that you have successfully implemented nonpoint source pollution control best management practices on your farm through a Targeted Resource Management cost-share agreement (#TRC-TRC31000AY16) grant. Installing practices under this cost share agreement has brought you into compliance with performance standards and prohibitions as described below.

Name and Citation of Standard/Prohibition	Identification of Parcel Where Compliance Was Achieved
Manure Storage Facilities new/significantly altered NR 151.05 (2)	T25N R23E Sec.30 SW1/4 of the NW1/4 Parcel 31 018 30.07
Clean Water Diversion NR 151.06	T25N R23E Sec.30 SW1/4 of the NW1/4 Parcel 31 018 30.07
Process Wastewater Handling NR 151.055	T25N R23E Sec.30 SW1/4 of the NW1/4 Parcel 31 018 30.07

In accordance with ch. NR 151, Wis. Adm. Code, any cropland practice or livestock facility that is brought into compliance with a state performance standard /prohibition must remain in compliance in perpetuity regardless of future cost sharing. Since you are now deemed in compliance with state standards and prohibitions as identified above, it is required that you and any future landowners or operators maintain compliance with the standards and prohibitions at the parcels identified.

This letter only addresses the compliance status on your farm resulting from practices installed under the cost share agreement identified above. There may be additional information on file for your farm concerning your compliance status with state performance standards and prohibitions. If you have any questions, please contact Davina Bonness at 920-845-9743.

Sincerely,



Davina Bonness
County Conservationist
CC: DNR Regional Coordinator

Kewaunee County TRM STEPL model analysis
 Completed by: Andrew Craig – WDNR Watershed Planner – 08-28-2017

Baseline Pollutant Load
 No cropland or feedlot practices and 12 months manure

Watershed	N Load (no BMP)	P Load (no BMP)	BOD Load (no BMP)	Sediment Load (no BMP)
	lb/year	lb/year	lb/year	t/year
W1 - DeBaker	10789.5	2274.0	14152.9	181.0
W2 - Pekarek	4348.8	1178.4	6400.4	107.0
W3	0.0	0.0	0.0	0.0
W4	0.0	0.0	0.0	0.0
W5	0.0	0.0	0.0	0.0
W6	0.0	0.0	0.0	0.0
Total	15138.3	3452.4	20553.3	287.9

Pollutant Load with Practices
 Waste Management System, NMP for all cropland acres and 8 months manure

N Load (with BMP)	P Load (with BMP)	BOD (with BMP)	Sediment Load (with BMP)
lb/year	lb/year	lb/year	t/year
4403.5	1286.2	12342.7	181.0
1822.5	611.5	5710.8	107.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
6226.0	1897.7	18053.5	287.9

N Reduction	P Reduction	BOD Reduction	Sediment Reduction
lb/year	lb/year	lb/year	t/year
6386.0	987.8	1810.2	0.0
2526.3	566.9	689.6	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
8912.3	1554.7	2449.8	0.0

DeBaker →
 Pekarek →

W1 - DeBaker
 W2 - Pekarek

Total Load This is the summary of annual nutrient and sediment load for each subwatershed. This sheet is initially protected.

1. Total load by subwatershed(s)

Watershed	N Load (no BMP)	P Load (no BMP)	BOD Load (no BMP)	Sediment Load (no BMP)	N Reduction	P Reduction	BOD Reduction	Sediment Reduction	N Load (with BMP)
	lb/year	lb/year	lb/year	t/year	lb/year	lb/year	lb/year	t/year	lb/year
W1 - DeBaker	9437.3	1903.2	12342.7	181.0	5033.8	617.0	0.0	0.0	4403.5
W2 - Pelarek	3833.7	1037.1	5710.8	107.0	2011.1	425.6	0.0	0.0	1822.5
W3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	13271.0	2940.4	18053.5	287.9	7044.9	1042.7	0.0	0.0	6226.0

2. Total load by land uses (with BMP)

Sources	N Load (lb/yr)	P Load (lb/yr)	BOD Load (lb/yr)	Sediment Load (t/yr)
Urban	0.00	0.00	0.00	0.00
Cropland	4846.41	1809.18	10456.61	287.94
Pastureland	0.00	0.00	0.00	0.00
Forest	0.00	0.00	0.00	0.00
Feedlots	1379.64	88.51	7596.92	0.00
User Defined	0.00	0.00	0.00	0.00
Septic	0.00	0.00	0.00	0.00
Gully	0.00	0.00	0.00	0.00
Streambank	0.00	0.00	0.00	0.00
Groundwater	0.00	0.00	0.00	0.00
Total	6226.04	1897.70	18053.53	287.94

W1 - DeBaker
W2 - Pelarek

Print NRIS1 letter - Op. main
TRM.
-fuel compliance-