

Final Report

Agricultural Targeted Runoff Management &
 Notice of Discharge Grant Programs

Form 3400-189A (R 11/18)

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 Non Total Maximum Daily Load (TMDL)

Grant Information

Grantee - Governmental Unit Name Outagamie County		Grant Number TRC44000Y17B
Project Name Nennig, Joe		
Project Contact Name Quint Krueger	Phone Number (920) 832-6074	E-mail Address quint.krueger@outagamie.org

Site 1 - Location & Watershed Information

Additional sites may be added to the project by clicking on the [+Loc] button

Name of Cost-Share Recipient Joe Nennig	Animal Units	Latitude 44.3131	Longitude -88.6145
County Outagamie	12-Digit HUC 040302021404	12-Digit Watershed Name Black Otter Lake-Wolf River	
Nearest Receiving Waterbody Unnamed trib to Black Otter Creek		Primary Waterbody addressed by project Wolf River	

Site 1 - BMP & Load Reduction Information

Additional BMPs for this site may be added by clicking on the [+] button

Best Management Practice Installed	Quantity	Unit of Measure	Performance Standard/Prohibition Addressed	Load Reduction			Total Installation Cost
				Phosphorus lbs/yr	Nitrogen lbs/yr	Sediment Tons/yr	
Heavy Use Area Protection	0.1	acres	Code(s) 13				\$10,000.00
Waste Transfer Systems	1	No.	Code(s) 4,11,12				\$23,674.00
Roof Runoff Systems	3	No.	Code(s) 12,8				\$1,895.00
Underground Outlets	210	Feet	Code(s) 8,12				\$1,822.00
Manure Storage Systems	1	No.	Code(s) 4,9,12,11,7				\$25,524.00
Barnyard Runoff Control Systems	1	No.	Code(s) 8,12,13	43			\$5,000.00
Filter Strips	0.34	acres	Code(s) 12				\$2,000.00

Model(s)/Methods Used to Calculate Load Reduction (check all that apply)

STEPL SNAP+ BARNY RUSLE 2 Other (specify) _____

Site 1 - Compliance Requirements

Performance Standard or Prohibition Addressed	Chs. NR 151 or 243 Wis. Adm. Code Notice Type	Notice Letter Attached?	Compliance Achieved?	Compliance letter attached?
Manure storage facilities-new/significant alterations.	NR 151	Yes	Yes	Yes
Process wastewater handling.	NR 151	Yes	Yes	Yes
Clean water diversions.	NR 151	Yes	Yes	Yes
Nutrient management.	NR 151	Yes	Yes	Yes
Prohibit overflow from manure storage facilities.	NR 151	Yes	Yes	Yes
Prohibit unconfined manure pile in WQMA.	NR 151	Yes	Yes	Yes
Prohibit runoff from feedlot or stored manure into the state's waters.	NR 151	Yes	Yes	Yes

Check all of the true statements below.

- 1. A copy the compliance letter for site 1 has been placed in county files.
- 2. The attached compliance letter for site 1:
 - a. has been provided by the county to the landowner and cost-share recipient;
 - b. identifies each of the performance standards & prohibitions (PS&Ps) on cropland and livestock facilities brought into compliance by the project, and listed in the table above;
 - c. identifies the name and location of the facility where compliance has been achieved; and
 - d. states that the landowner is obligated to maintain compliance with each PS&P addressed by the project in perpetuity regardless of future cost sharing.

Site 1 - Required attachments

Check the box if the required information for the site is attached:

- Photos of pre-and post-implementation of BMP(s)
- Load reduction modeling documents
- Aerial photo map of site with BMPs labeled
- Water quality monitoring results/summary, if applicable

Site 1 - Information

Narrative space will expand to fit

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
Greg Baneck	County Conservationist	03/27/2019

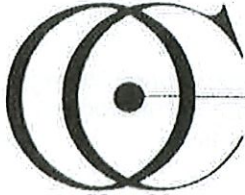
For DNR Use Only

- 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
Eric Evensen	3/29/19

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



OUTAGAMIE COUNTY

LAND CONSERVATION DEPARTMENT

3365 W. BREWSTER ST. APPLETON, WISCONSIN 54914-1602
PHONE (920) 832-5073 FAX (920) 832-4783

February 18, 2019

AG ID #: 18508
JOSEPH H NENNIG
N2024 GREENDALE RD
HORTONVILLE, WI 54944

Dear Mr. JOSEPH H NENNIG:

The purpose of this letter is to acknowledge that you have implemented the necessary corrective actions to comply with the Notice of Non-Compliance dated 8/3/2017 for your property described as **BEG NW COR SEC7 E504.48FT S12D E1043.05FT S10D W488.72FT N61D W336.64FT W335.13FT N1332.34FT TO POB PRT W1/2 NW SEC7 T21N R16E 20AC M/L 10651M40**

Parcel ID: **110022900**

The department has determined the installed practice at your operation to be adequate to meet Agricultural Performance Standards and Prohibitions on the area described below.

As a result of installing the best management practices necessary to comply with the aforementioned Notice, the department has determined that you are now in compliance with the following:
Outagamie County Codes –

14.16(4)(b) – Runoff shall be diverted away from contacting feedlot, livestock waste storage areas, and barnyard areas within water quality management areas.

14.16(6)(c) – A livestock operation shall have no direct runoff from a feedlot or stored manure in to waters of the State.

14.16(6)(e) – A livestock operation may not allow unlimited access by livestock to waters of the state in a location where high concentrations of animals prevent the maintenance of adequate sod or self-sustaining vegetative cover.

In accordance with Outagamie County Chapter 4, Agricultural Performance Standards and Animal Waste Storage Ordinance as well as Chapter NR 151, Wisconsin Administrative 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 Standards and Prohibition for this site listed above, it is imperative that you and any future owners or operators maintain compliance with them.

- 1. A copy the compliance letter for site 1 has been placed in county files.
- 2. The attached compliance letter for site 1:
 - a. has been provided by the county to the landowner and cost-share recipient;
 - b. identifies each of the performance standards & prohibitions (PS&Ps) on cropland and livestock facilities brought into compliance by the project, and listed in the table above;
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Site 1 - Required attachments

Check the box if the required information for the site is attached:

- Photos of pre-and post-implementation of BMP(s) Load reduction modeling documents
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Site 1 - Information

Narrative space will expand to fit

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

Additional Project Information and/or Comments

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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
Greg Baneck	County Conservationist	2-26-19

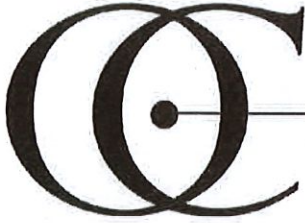
For DNR Use Only

- 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
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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.



OUTAGAMIE COUNTY

LAND CONSERVATION DEPARTMENT

3365 W. BREWSTER ST. APPLETON, WISCONSIN 54914

TELEPHONE (920) 832-5073 FAX (920) 832-4783

WWW.OUTAGAMIE.ORG

- Photo #1 Standing at the up-stream culvert on Greendale Rd. looking East. This is the intermittent channel running east through the Nennig property.
- Photo #2 This is the same intermittent channel at the East edge of the Nennig property going into the Randy Strey property.
- Photo #3 The heffer facility looking to the North with the discharge of animal waste and bare earthen lot running to the intermitten channel.
- Photo # 4 This is the existing concrete barnyard with a feeding system in the background with no runoff containment, which is also running through a bare earthen lot with channelized flow to the intermitten channel.

T21N-R16E Section 7



GREENDALE RD

Photo #1 looking East

Photo #3 looking North East

Photo #4 looking East

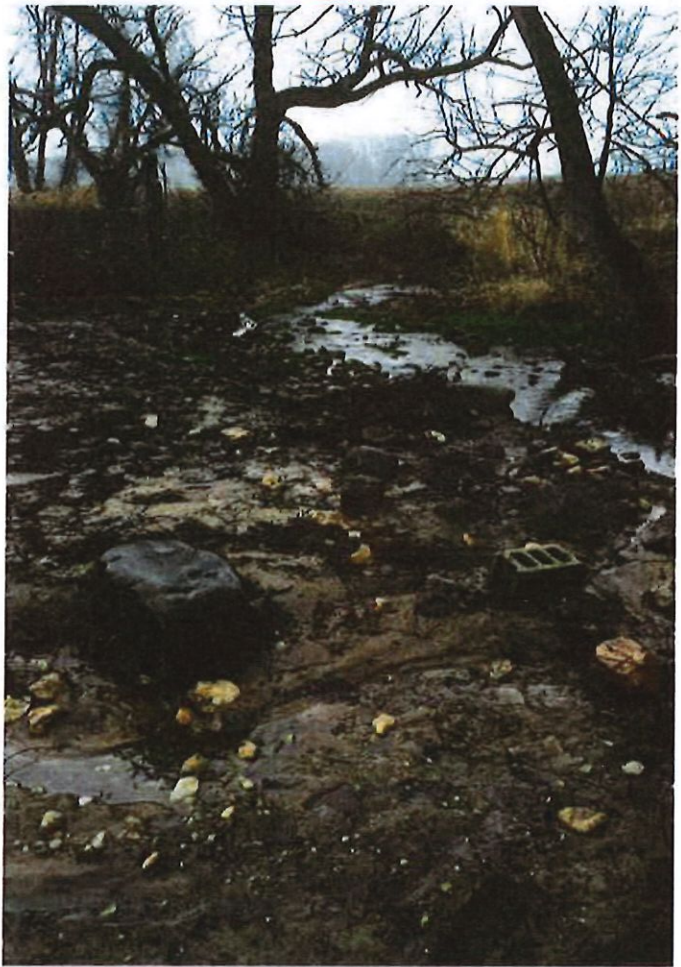
Photo #2 looking East

Greenville



1 Inch = 100 feet

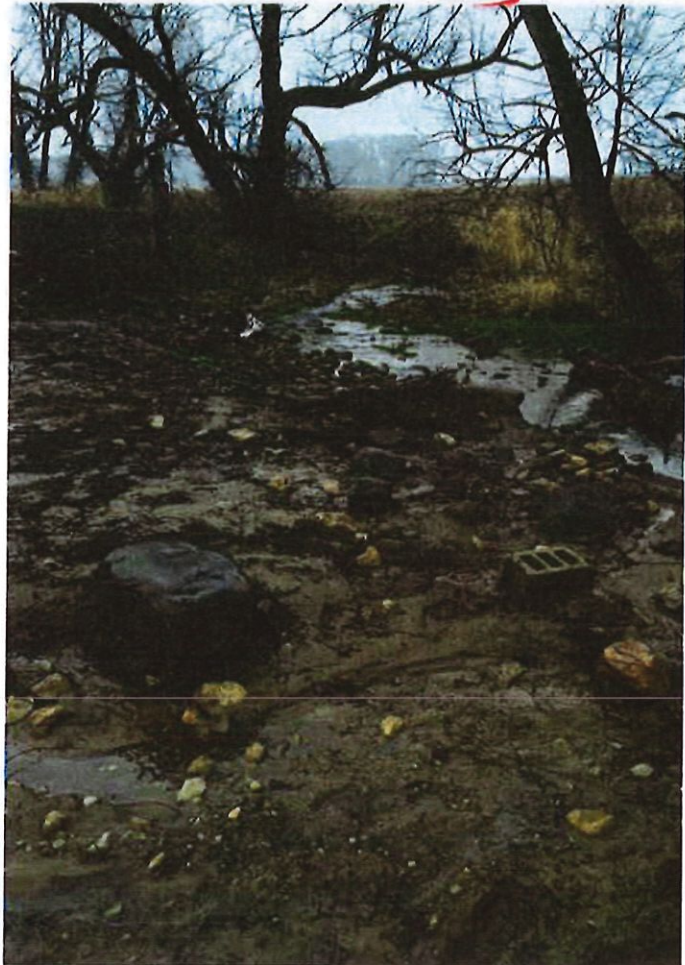
152



#1



153



154





Nov 10, 2017, 10:32 AM

Gutters Installed

Underground
outlet

Oct 23, 2018 at 11:57 AM

Barnyard

Runoff Control



Aug 23, 2018, 1:15 PM



Oct 19, 2018 at 8:04 AM

Vegetated Treatment Area

Oct 19, 2018 at 8:02 AM

W/Trib - Roof water

BUFFER DESIGN USING BARNY

OWNER: Nennig

DESIGNER: QK

DATE: 2/9/2017

CHK BY: _____

DATE: _____

	Input	Output	
Closest City of similar climate:	2		1 Madison 2 Appleton 3 Wausau 4 Eau Claire
Paved lot area:	10,000		sq ft
Earth lot area:			sq ft
Animal Lot size:		10,000	sq ft
Is there a DESIGNED settling basin	2		Yes= 1; No= 2
Animals on lot:	70		number
Type of animal:	1		
Ave. Animal Weight:	1,400		lbs (Dairy = 1; Beef=2)
Lot Use:	1		1= Heavy; 2= Medium; 3= Light)

TRIBUTARY AREAS

Tributary area: sq ft sq ft

Runoff Curve Number:

Roof area: sq ft

88.4 lbs P per year
at D.S. Lot edge:

Maximum permissible P Output that can be released: lbs

Your choice based on impacted resources- Max is 15

BUFFERS - Size by trial and error

First Buffer Length: ft (See Note Below)

Slope: %

"c" : →

Second Buffer Length: ft

Slope: %

"c" :

"c" Value Table	
Permanent Meadow	0.59
Woods, Heavy Litter	0.59
Woods, Lt Ltr	0.29
Well managed grazing	0.44
Fair managed grazing	0.29
Good Pasture	0.22
Fair Pasture	0.15
Small Grain	0.29
Legume	0.29
Contoured Row Crop	0.29
Non-contoured row crop	0.05

P (lbs) after the buffers: lbs P per year

NO GOOD - Too much P released

BUFFER SIZING

Chosen Buffer Width feet

Chosen Buffer Length feet

15,000 sq ft Min. Acceptable Buffer Area

100 feet Min. Bfr. Len. Based on BARNY

#DIV/0! feet Min. Bfr. Len. Based on Area

No Good- Less than BARNY length

BUFFER DESIGN USING BARNY

No Trib- Planned Gutters
Designed Settling Basin

Farmer: Nennig Planner/Designer: QK Date: 11/17/16

	Input	Output	1 Madison 2 Appleton 3 Wausau 4 Eau Claire
Closest City of similar climate:	<input type="text" value="2"/>		
Paved lot area:	<input type="text" value="10,000"/>	sq ft	
Earth lot area:	<input type="text"/>	sq ft	
Animal Lot size:	<input type="text"/>	10,000 sq ft	
Is there a DESIGNED settling basin	<input type="text" value="1"/>	Yes= 1; No= 2	
Animals on lot:	<input type="text" value="70"/>	number	
Type of animal:	<input type="text" value="1"/>		(Dairy = 1; Beef=2)
Ave. Animal Weight:	<input type="text" value="1,400"/>	lbs	
Lot Use:	<input type="text" value="1"/>		1= Heavy; 2= Medium; 3= Light)

TRIBUTARY AREAS

Tributary area: sq ft sq ft
Runoff Curve Number:
Roof area: sq ft

26.6 lbs P per year
at D.S. Lot edge:

Maximum permissible P Output lbs
that can be released

Your choice based on impacted resources- Max is 15

BUFFERS - Size by trial and error

First Buffer Length: ft (See Note Below)
Slope: %
"c" : →

Second Buffer Length: ft
Slope:
"c" :

"c" Value Table	
Permanent Meadow	0.59
Woods, Heavy Litter	0.59
Woods, Lt Ltr	0.29
Well managed grazing	0.44
Fair managed grazing	0.29
Good Pasture	0.22
Fair Pasture	0.15
Small Grain	0.29
Legume	0.29
Contoured Row Crop	0.29
Non-contoured row crop	0.05

P (lbs) after the buffers: lbs P per year

GOOD - Buffer length, slope, and type is OK; proceed with final area sizing calcs below.

BUFFER SIZING

Chosen Buffer Width feet

Chosen Buffer Length feet

15,000 sq ft

Min. Acceptable Buffer Area

100 feet Min. Bfr. Len. Based on BARNY

300 feet Min. Bfr. Len. Based on Area

Good Design