

### 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.

<b>Grant Type</b>		
Select Grant Type Notice of Discharge		
<b>Grant Information</b>		
Grantee - Governmental Unit Name Outagamie County Land Conservation		Grant Number NOD44000Y18
Project Name Corey Bergsbaken		
Project Contact Name Quint Krueger	Phone Number (920) 832-6074	E-mail Address quint.krueger@outagamie.org

<b>Site 1 - Location &amp; Watershed Information</b>				Additional sites may be added to the project by clicking on the [+Loc] button			
Name of Cost-Share Recipient Corey Bergsbaken			Animal Units	Latitude 44.56599	Longitude -88.60234		
County Outagamie	12-Digit HUC 040302021301	12-Digit Watershed Name Township of Deer Creek-Embarrass River					
Nearest Receiving Waterbody Embarass River			Primary Waterbody addressed by project Embarass River				

<b>Site 1 - BMP &amp; Load Reduction Information</b>								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					
Access Roads & Cattle Crossings	380	Feet	Code(s) 1				\$51,448.00				
Heavy Use Area Protection	0.32	acres	Code(s) 13	315.1			\$112,380.00				
Livestock Watering Facilities	3	No.	Code(s) 14				\$6,782.00				
Roofs	1	No.	Code(s) 14	315.1			\$221,640.00				

**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?
Sheet, rill, and wind erosion.	NOI / NOD	Yes	Yes	Yes
Prohibit runoff from feedlot or stored manure into the state's waters.	NOI / NOD	Yes	Yes	Yes
Prohibit unlimited livestock access to the state's waters.	NOI / NOD	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:

- |   |  |
|---|--|
| <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 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*

The existing concrete and earthen barnyards used by the heifers had direct manure runoff into an intermittent channel. The site also had clean water from roofs and driveway washing across the lot. The standards did not allow for controlling the runoff using a vegetated treatment area. The result was to install a roofed barnyard with heavy use protection (concrete floor) just east of the existing yards. There was an access road installed on both ends of the new facility to allow for feeding and manure handling. There was also a water line installed from the house with 3 new waterers in the facility. Manure is scrapped daily into a concrete loading area on the west end of the facility and it is loaded into a manure spreader and hauled several times a week to cropland. The farm has a current nutrient management plan. The result of this system is zero discharge to the intermittent channel.

**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	01/08/2020

**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 Eric Evensen	Date 02/26/2020
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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.



Land Conservation  
3365 W. Brewster St | Appleton, WI 54914  
(920) 832-5073 (920) 832-4783  
www.outagamie.org

February 18, 2020

BERGSBAKEN, COREY J & BERGSBAKEN, SARA A  
W8308 COUNTY ROAD F  
SHIOCTON, WI 54170

Dear Property Owner,

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 June 18, 2019 for your property described as

**GOV LOT 7 SEC7 T24N R16E 2111M27**

Outagamie County Parcel ID: **150015800**

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, **R25 Roofs**, to comply with the aforementioned Notice, the department has determined that you are now in compliance with the following:

**NR 151.08(4) A livestock operation shall have no direct runoff from feedlot or stored manure into waters of the state.**

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.

Your efforts in this matter have contributed to improved water quality within Outagamie County. If you have any further questions or concerns, please contact me at (920) 832-5074.

Sincerely,

A handwritten signature in black ink, appearing to read "Gregory Baneck". The signature is written in a cursive style with a large initial "G".

Gregory Baneck  
County Conservationist



**Land Conservation**  
3365 W. Brewster St | Appleton, WI 54914  
(920) 832-5073 (920) 832-4783  
[www.outagamie.org](http://www.outagamie.org)

June 18, 2019

BERGSBAKEN, COREY J & BERGSBAKEN, SARA A  
W8308 COUNTY ROAD F  
SHIOCTON, WI 54170

Dear Property Owner,

On April 10, 2018, Quint Krueger from the Outagamie County Land Conservation Department performed an inventory of livestock facilities on property that you own or operate described as;

**GOV LOT 7 SEC7 T24N R16E 2111M27**

Outagamie County Parcel ID: **150015800**

The purpose of this inventory was to determine compliance with Agricultural Performance Standards and Prohibitions. Compliance with these standards is a requirement for agricultural land and activities in Outagamie County per Outagamie County Chapter 4, Agricultural Performance Standards and Animal Waste Storage Ordinance.

Results from the inventory indicate that your site is in non-compliance with the ordinance, more specifically;

It has been determined that the installation of the following Best Management Practices, or an approved alternative, will be necessary to achieve compliance with the above listed issue(s).

Barnyard runoff is going into intermittent channel. A new roofed barnyard will be relocated to house the animals.

The Outagamie County Land Conservation Department is available to provide or coordinate technical assistance for the planning, design, and installation of all best management practices necessary to achieve compliance with the agricultural performance standards and prohibitions.

## BUFFER DESIGN USING BARNY

OWNER: Bergsbaken

DESIGNER: QK

DATE: 3/21/2018

CHK BY: \_\_\_\_\_

DATE: \_\_\_\_\_

	Input	Output	
Closest City of similar climate:	2		1 Madison 2 Appleton 3 Wausau 4 Eau Claire
Paved lot area:	19,090	sq ft	
Earth lot area:		sq ft	
Animal Lot size:		19,090	sq ft
Is there a DESIGNED settling basin	2		Yes= 1; No= 2
Animals on lot:	100	number	number
Type of animal:	1		( Dairy = 1; Beef=2 )
Ave. Animal Weight:	1,000	lbs	
Lot Use:	1		1= Heavy; 2= Medium; 3= Light)

### TRIBUTARY AREAS

Tributary area: 26,000 sq ft      \_\_\_\_\_ sq ft  
 Runoff Curve Number: 95  
 Roof area: 9,000 sq ft

315.1 lbs P per year  
at D.S. Lot edge.

Maximum permissible P Output \_\_\_\_\_ lbs      Your choice based on impacted resources- Max is 15  
that can be released

### BUFFERS - Size by trial and error

First Buffer      Length: 500 ft (See Note Below)  
                          Slope: 2 %  
                          "c" : 0.15      →

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: 41.1 lbs P per year

**NO GOOD - Too much P released**

### BUFFER SIZING

28,635 sq ft      Min. Acceptable Buffer Area

Chosen Buffer Width \_\_\_\_\_ feet

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

Chosen Buffer Length \_\_\_\_\_ feet      No Good- Less than BARNY length



Roofed Barnyard Completed 0.0 lb of P

T24N-R16E section 7



CTYTKF





Mar 5, 2018 10:21 AM



Mar 5, 2018 10:22 AM



Mar 5, 2018 10:55 AM



Mar 5, 2018 10:22 AM

Intermittent channel

Before Pictures

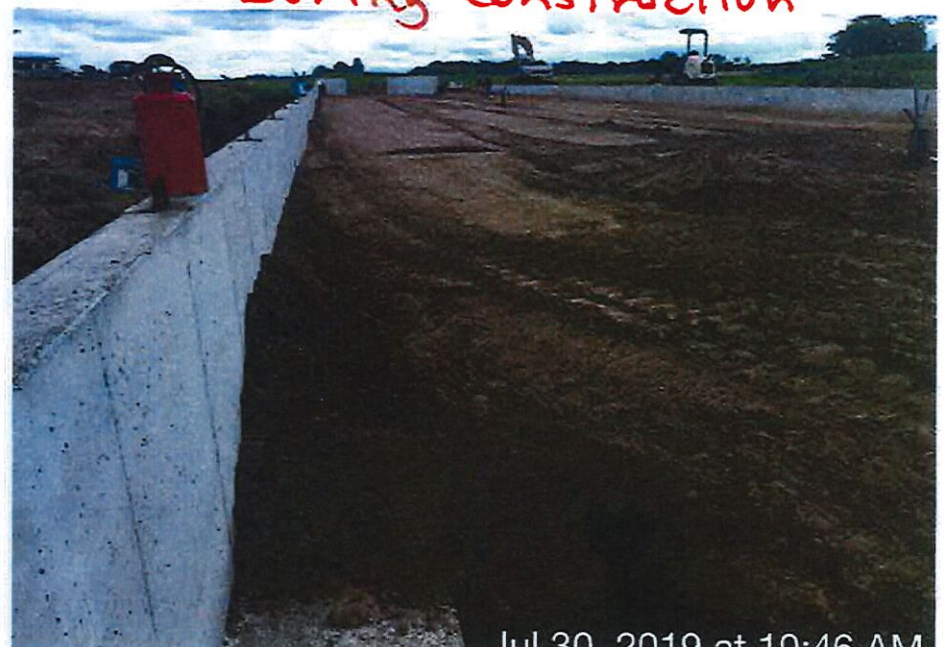


Roof



Nov 26, 2019 at 9:52 AM

During Construction



Jul 30, 2019 at 10:46 AM



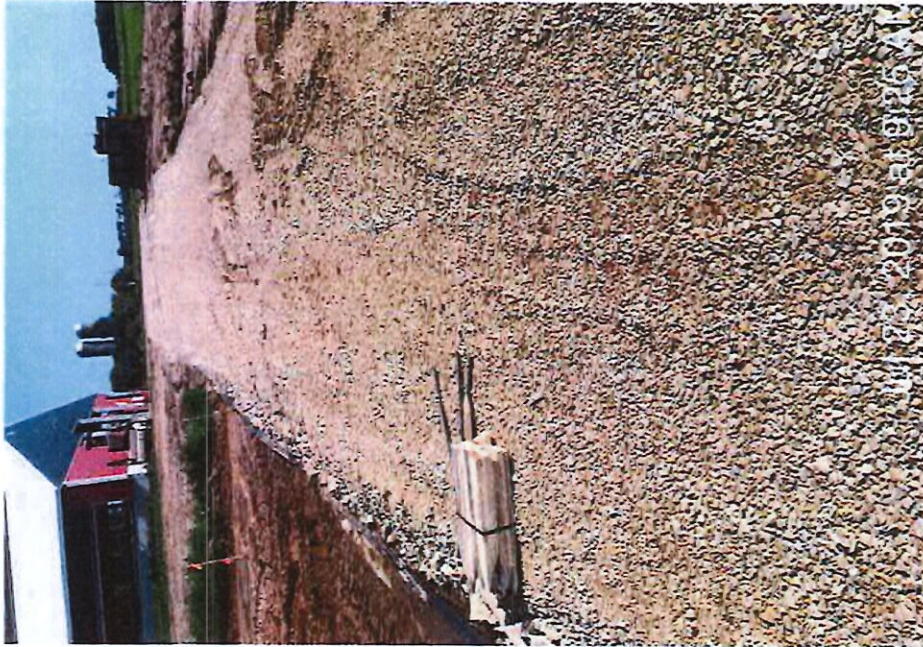
Oct 30, 2019 at 10:08 AM

Heavy Use Concrete



Nov 26, 2019 at 9:50 AM

Waterer



Access Road

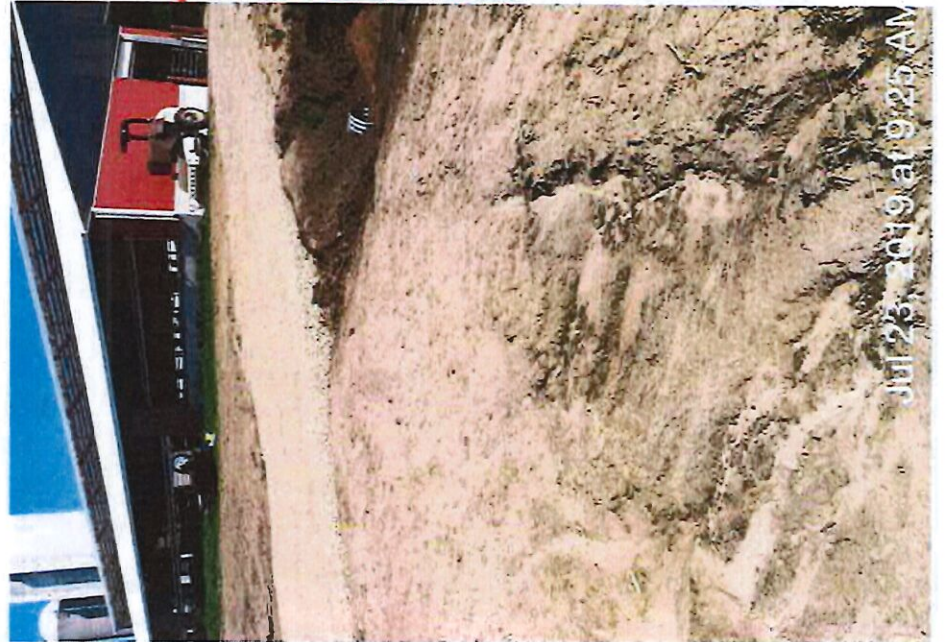


Jul 23, 2019 at 9:32 AM

↕ Access Rd



Construction



Jul 23, 2019 at 9:25 AM



Jul 16, 2019 at 10:20 AM



Jul 16, 2019 at 10:20 AM



Dec 23, 2019 at 10:00 AM

OLD YARD Abandoned



Dec 23, 2019 at 10:00 AM