Wisconsin Department of Natural Resources
Bureau of Watershed Management (WT/3)
101 S. Webster Street
PO Box 7921
Madison, WI 53707-7921
dnr.wi.gov

Final Report

Agricultural Targeted Runoff Management & Notice of Discharge Grant Programs

Form 3400-189A (R 8/15)

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: Large Scale Total Maximum Daily Load (TMDL)

Project Name & Location

Project Name		
Ashwaubenon Creek Sediment		
Grant Number	**Governmental Unit Name**	
TMD-L/LF02/44000-12 D	Outagamie County	
County	**Watershed Name**	**12-Digit HUC**
Outagamie	Apple/Ashwaubenon Creeks	040302040403
Project Contact Name	**Phone Number**	**E-mail Address**
Elly Magdanz	(920) 832-6057	elly.magdanz@outagamie.org

☐ 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	Animal Units	Nearest Receiving Waterbody
Michael G and Carrie L DeCoster	88	N. Branch Ashwaubenon Creek

Township	Range	E / W	Section	Quarter	Quarter/Quarter	Latitude	Longitude
22	19	W	18	NW	NE	44.385342	-88.240277

Compliance Requirements - 1

Chs. NR 151 or 243 Wis. Adm. Code Notice Type	Notice letter attached	Compliance achieved? If no, explain in site information	Compliance determination letter attached
NR 151	☒	◉ Yes ○ No	☒

☒ 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	Load Reduction Nitrogen lbs/yr	Load Reduction Sediment Tons/yr
Roofs	1	No.	Code(s) 12	$119,610.00			
Barnyard Runoff Control Systems	1	No.	Code(s) 12	$31,869.89	67.2		
Nutrient Management	184	Acres	Code(s) 9				

Site Location Attachment - 1

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 Information - 1

Narrative space will expand to fit

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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
Gregory J Baneck	County Conservationist	01/07/2016

For DNR Use Only

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

Comments about this project:
NW of NE ¼

Name of Region Nonpoint Source Coordinator	Date
Erin E Hanson	1/11/16

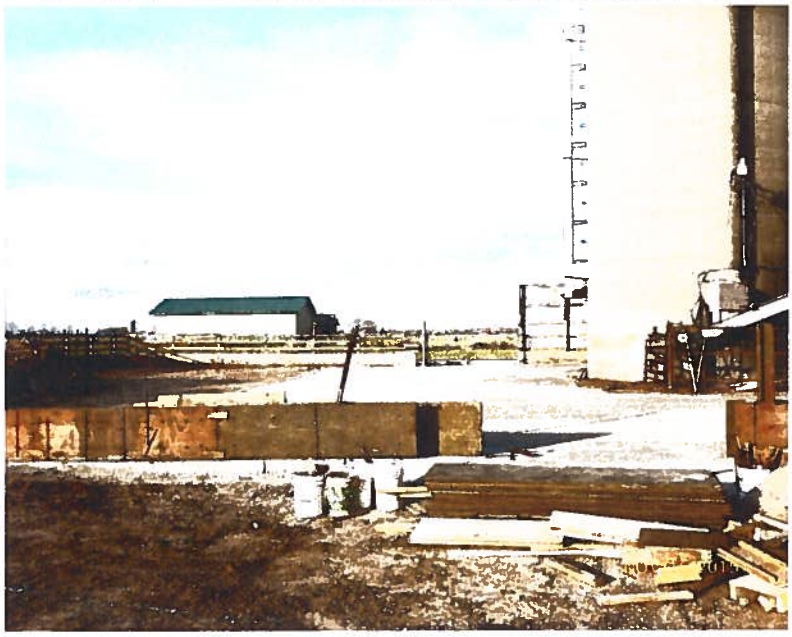
Send the Final Report and attachments to the Community Financial Assistance Grants Manager and to the Runoff Management Grant Coordinator. Keep a printed copy for the Region file.

MIKE DECOSTER - EAST FARM BEFORE BMP INSTALLATION

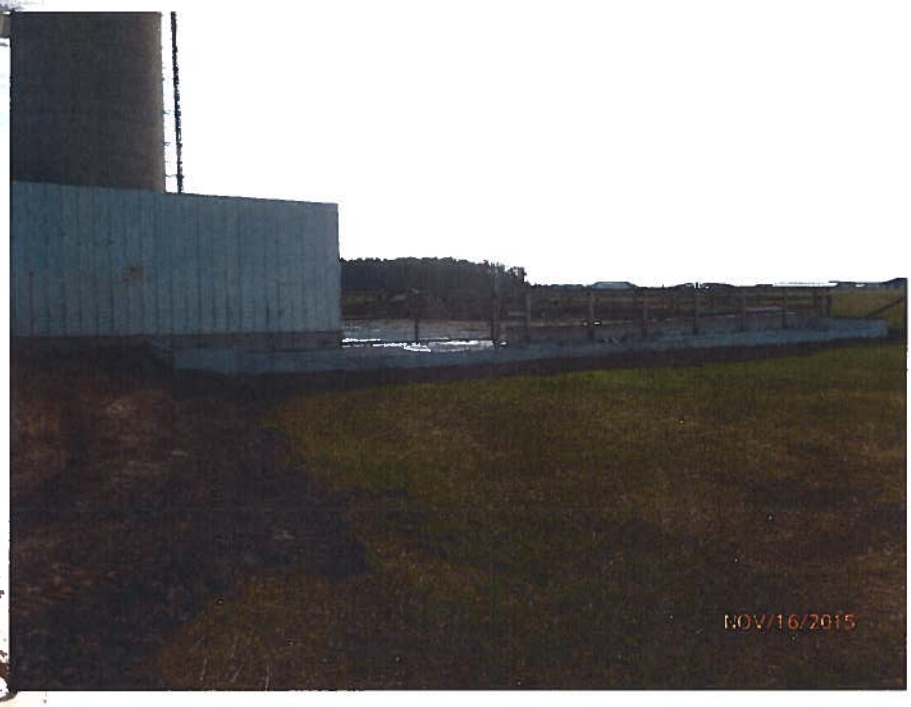
MIKE DECOSTER - EAST FARM BEFORE BMP INSTALLATION

MIKE DECOSTER - EAST FARM VTA

MIKE DECOSTER - EAST FARM HEAVY USE



DECOSTER - EAST FARM SPREADER PAD & CURB



DECOSTER - EAST FARM ROOF

OUTAGAMIE COUNTY

LAND CONSERVATION DEPARTMENT

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

November 18, 2015

AG ID #: 20686
MICHAEL G & CARRIE DECOSTER
W1077 COUNTY RD S
KAUKAUNA,WI 541300000

Dear Mr. & Mrs. MICHAEL G & CARRIE DECOSTER:

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 5/7/2014 for your property described as;

PRT NW NE COM NE COR SEC18 W2234FT TO POB S463FT W484.33 FT N463FT E TO POB LESS HY SEC18 T22N R19E 4.98AC M/L 11208M26.

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 Notice, issued on 5/7/2014, the department has determined that you are now in compliance with the following

Per NR 151.08 (4), "A livestock operation shall have no direct runoff from a feedlot or stored manure into the 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) 832-5073.

Sincerely,

Gregory J. Baneck
County Conservationist

BUFFER DESIGN USING BARNY

Farmer: Mike DeCoster — Planner/Designer: EM — Date: 1/6/16

SOUTH LOT

	Input	Output	
			1 Madison
			2 Appleton
Closest City of similar climate:	2		3 Wausau
			4 Eau Claire
Paved lot area:	6,220		sq ft
Earth lot area:	6,255		sq ft
Animal Lot size:		12,475	sq ft
Is there a DESIGNED settling basin	1		Yes= 1; No= 2
Animals on lot:	80 number		number
Type of animal:	2		(Dairy = 1; Beef=2)
Ave. Animal Weight:	1,100 lbs		lbs
Lot Use:	1		1= Heavy; 2= Medium; 3= Light)

TRIBUTARY AREAS

Tributary area:	11,720	sq ft		sq ft
Runoff Curve Number:	90			
Roof area:	6,980	sq ft		

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

Maximum permissible P Output that can be released: 15 lbs

Your choice based on impacted resources- Max is 15

BUFFERS - Size by trial and error

First Buffer	Length:	365	ft (See Note Below)
	Slope:	1	%
	"c" :	0.59	→
Second Buffer	Length:		ft
	Slope:		
	"c" :		

P (lbs) after the buffers: 0.0 lbs P per year

"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

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

BUFFER SIZING

		15,585	sq ft — Min. Acceptable Buffer Area
Chosen Buffer Width	43	feet	
		365	feet — Min. Bfr. Len. Based on BARNY
		365	feet — Min. Bfr. Len. Based on Area
Chosen Buffer Length	365	feet	Good Design

721.69
well

722

721

3,040 SQ FT ROOF
NOT COST SHARED

8,868 SQ FT ROOF
DESIGNED BY OTHERS
OVER EXISTING CONCRETE BARNYARD

723

FENCE NORTH
SIDE OF VTA

1' HIGH BERM WITH 4:1
BACKSLOPES

6' OF 8" SOLID CURB

723.1

6'

720.64

722.4

180'

722.4

8'

688 SQ FT OF 5"
CONCRETE SLAB

VTA
1% GRADE

80'

80' OF 8" NOTCHED CURB

10'

722.4

720.64

722.4

8' OF 8" SOLID CURB

20'

722.8

723.0

722.6

23.3'

722.8

EXISTING
CONCRETE SLAB

30.4'

722.55

64.4'

723.6

722.5

722.6

722.44

4'

722.5

722.7

722.28

101.7'

1,600 SQ FT OF REMOVAL OF
EXISTING SLAB & NEW 5" SLAB

52.0'

723.0

REMOVE 10' OF EXISTING
CONCRETE WALL

EXISTING
CONCRETE SLAB

723

723.1

EXISTING
CONCRETE WALL

723.1

EXISTING EARTH LOT AND
CONCRETE LOT EAST OF
PLANNED AREA TO BE
ABANDONED

722

N

Outagamie County
LCD
Land Conservation Department

SCALE:
1"=30'

MIKE DECOSTER
OWNER

OUTAGAMIE COUNTY
COUNTY

Designed: EM Checked: JP
Date:

SHEET 6 OF 9

ARM-LWR-480 (06/10)

Wisconsin Department of Agriculture, Trade & Consumer Protection
Division of Agricultural Resource Management
Bureau of Land and Water Resources
PO Box 8911, Madison WI 53708-8911, Phone: 608-224-4605

Sec. 92.05(3)(k), Wis. Stats.
ATCP 50.04(3) Wis. Admin. Code

Nutrient Management Plan Checklist

Use this form to check nutrient management (NM) plans for compliance with the WI NRCS 590 Standard (Sept. 2005).

County name: Dunn Date Plan Submitted: 4-27-15 Growing season year NM plan is written for 2015 (from harvest to harvest)
Township (T. N) – (R. E ☐ Initial Plan or ☒ Updated Plan (choose one)

Name of qualified nutrient management planner		Planner's business name, address, phone:
Steven Keil		Country Visions Cooperative 920-864-7816 6772 Benzenberg Street Greenleaf, WI 54126
Circle the planner's qualification: 1. ☐ NAICC-CPCC 2. ☒ ASA-CCA 3. ☐ ASA-Professional Agronomist 4. ☐ SSSA-Soil Scientist 5. ☐ DATCP approved training course 6. ☐ Other credentials approved by DATCP	Cropland Acres (owned & rented) 183.5	Name of farm operator receiving nutrient management plan: Mike De Coster Rented farm(s) landowner name(s) and acreage:

Check relevant program requirement/regulation plan developed for: ☒ Ordinance ☐ USDA ☐ DATCP ☐ DNR ☐ NR 243 – ☐ NOD or ☐ WPDES

		Yes	No	NA
1.	**Are the following field features identified on maps or aerial photos in the plan?**			
a.	Field location, soil survey map unit(s), field boundary, acres and field identification number	✓		
b.	Areas prohibited from receiving nutrient applications: Surface water, established concentrated flow channels with perennial cover, permanent non-harvested vegetative buffer, non-farmed wetlands, sinkholes, lands where established vegetation is not removed, nonmetallic mines, and fields eroding at a rate exceeding tolerable soil loss (T)	✓		
c.	Areas within 50 feet of a potable drinking water well where mechanically-applied manure is prohibited	✓		
d.	Areas prohibited from receiving winter nutrient applications: Slopes > 9% (12% if contour-cropped); Surface Water Quality Management Area (SWQMA) defined as land within 1,000 ft of lakes and ponds or within 300 ft of perennial streams draining to these waters, unless manure is deposited through winter gleaning/pasturing of plant residue and not exceeding the N and P requirements of this standard; Additional areas identified within a conservation plan as contributing runoff to surface or groundwater	✓		
e.	Areas where winter applications are restricted unless effectively incorporated within 72 hours: Land contributing runoff within 200 feet upslope of direct conduits to groundwater such as a well, sinkhole, fractured bedrock at the surface, tile inlet, or nonmetallic mine	✓		
f.	Sites vulnerable to N leaching: Areas within 1,000 feet of a municipal well, and soils listed in Appendix 1 of the Conservation Planning Technical Note WI-1	✓		
2.	**Are erosion controls implemented so the crop rotation will not exceed T on fields that receive nutrients according to the conservation plan or WI P Index model?**	✓		
3.	**Were soil samples collected and analyzed within the last 4 years according to UW Publication A2100 recommendations?**	✓		
4.	**Using the field's predominant soil series and realistic yield goals, are planned nutrient application rates, timing, and methods of all forms of N, P, and K listed in the plan and consistent with UW Publication A 2809,** *Soil Test Recommendations for Field, Vegetable and Fruit Crops,* **and the 590 standard?**	✓		
5.	**Do manure production and collection estimates correspond to the acreage needed in the plan? Are manure application rates realistic for the calibrated equipment used?**	✓		
6.	**Is a single phosphorus (P) assessment of either the P Index or soil test P management strategy uniformly applied to all fields within a tract?**	✓		
7.	**Are areas of concentrated flow, resulting in reoccurring gullies, planned to be protected with perennial vegetative cover?**	✓		
8.	**Will nutrient applications on non-frozen soil within the SWQMA comply with the following?**			
a.	Unincorporated liquid manure on unsaturated soils will be applied according to Table 1 of the 590 standard to minimize runoff	✓		
b.	One or more of the following practices will be used: 1) Install/maintain permanent vegetative buffers, or 2) Maintain greater than 30% crop residue or vegetative coverage on the surface after nutrient application, or 3) Incorporate nutrients leaving adequate residue to meet tolerable soil loss, or 4) Establish fall cover crops promptly following application	✓		

I certify that the nutrient management plan represented by this checklist complies with Wisconsin's NRCS 590 nutrient management standard.
Signature of qualified nutrient management planner Steven Keil