

Final Report Form 3400-189 (rev. 7/30/09)

- Targeted Runoff Management Grant Program (ch. NR 153)
- Notice of Discharge Program (ch. NR 153)
- Urban Nonpoint Source & Storm Water Management Grant Program (ch. NR 155)

NOTICE: This Final Report is authorized under ss. 281.65 and 281.66., Wis. Stats., and chs. NR 153 and NR 155, Wis. Admin. Code. Personally identified information collected will be used for program administration and may be made available to requesters as required under Wisconsin Open Records Law [ss. 19.31-19.39, Wis. Stats.].

INSTRUCTIONS: Your grant agreement requires you to submit a Final Report with your final reimbursement request. This Final Report form must be used in conjunction with the "FINAL REPORT INSTRUCTIONS." The instructions detail how to complete and submit the report to DNR as described in the instructions.

1. GRANT TYPE. Check the one that applies.

- | | |
|--|--|
| <input type="checkbox"/> Targeted Runoff Management Grant – Agricultural | <input type="checkbox"/> Targeted Runoff Management Grant – Urban |
| <input type="checkbox"/> Urban Nonpoint Source & Storm Water Management Grant – Construction | <input type="checkbox"/> Urban Nonpoint Source & Storm Water Management Grant – Planning |
| <input checked="" type="checkbox"/> Notice of Discharge Grant | |

2. PROJECT NAME & LOCATION.

2.1. Project Name: Bredl NOD - Harmony Ho Dairy		2.2. Grant Number: NOD-UW17-37000-N08	
2.3. Governmental Unit Name: Marathon County		2.4. Primary Watershed Name: Little Eau Pleine River	2.5. Watershed Code: CW14

NOTE FOR SECTION 2.6 (which follows):

Section 2.6. includes five (5) columns (A. through E.) for recording data about five (5) discrete site locations. If your grant has more than five (5) discrete project locations, attach additional columns for Section 2.6 as described in the instructions. If your project occurs in more than one 12-digit Hydrologic Unit Code (HUC), use the space in adjacent columns to record other HUC numbers.

2.6 Site Location(s) →	A.	B.	C.	D.	E.
Name of Cost-Share Recipient or Governmental Unit	Bredl, Ralph and Sharon				
Cost-Share Agreement Number (Agricultural only)	2009-01				
12-Digit Hydrologic Unit Code(s) (HUC) Where Work Was Completed	070700021704				
Nearest Surface Receiving Water Affected					
Name:	Unnamed				
Waterbody Identification Code(s) (WBIC):	5013543				
Nearest Impaired Water Affected					
Name:					
Waterbody Identification Code(s) (WBIC):					
Pollutants Reduced	Manure runoff and nutrients				
Impairments/Impacts Addressed	surface water quality				

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Project Location(s) (cont.) →	A.	B.	C.	D.	E.
Project Coordinates:					
Town	T26N				
Range	R4E				
Section	6				
Quarter	SE				
Quarter-Quarter	NE				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer (SWDV))	44-45'-48.3" N				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)	90-4'-5.1" W				

3. SUMMARY OF RESULTS.

Table A. Agricultural Projects. – Ch. NR 151 Performance Standards and Prohibitions and Other Water Resources Management Priorities

A.1. Management Measures	Units of Measure	Quantity	Measurement Method Used
Sheet, rill and wind erosion	Acres meeting "T"	376 acres	590 checklist, Snap-Plus report
Manure Storage Facilities: New Construction/Alterations	Number of facilities	1 facilities	Count
	Number of animal units	595 animal units	AU calculation spreadsheet table
Manure Storage Facilities: Closure	Number of facilities	0 facilities	
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities	0 facilities	
	Number of animal units	0 animal units	
Clean Water Diversions in WQMA	Pollutant load reduction	48 lbs.	BARNY
	Number of farms with diversions	1 farms	Count
	Number animal units	105 animal units	AU calculation spreadsheet table
Nutrient Management on Agricultural Land	Acres planned	376 acres	590 checklist, Snap-Plus report
Prohibition: Manure Storage Overflow	Number of farms	1 farms	count
	Number of animal units	595 animal units	AU calculation spreadsheet table
Prohibition: Unconfined Manure Pile in WQMA	Number of farms	1 farms	Count
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction	748 lbs.	Manure Storage Rating Guide
	Number of facilities	1 facilities	Count
	Number of animal units	595 animal units	AU calculation spreadsheet table
Prohibition: Unlimited Livestock Access	Feet of bank protected	2,560 feet	Surface Water Data Viewer measuring tool
	Number of farms	1 farms	Count

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Table A. Agricultural Projects. (continued)			
A.2. Other Management Measures		Units of Measure	Quantity
Streambank & Shoreline Protection	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		

Table B. Urban Construction Projects Serving Developed Areas.			
B.1. Required Management Measures	Units of Measure	Quantity	Measurement Method Used
20-40% Total Suspended Solids (TSS) Reduction for NR 216 communities	TSS reduced	lbs.	
	TSS reduction	%	
B.2. Other Management Measures			
20-40% Reduction in TSS for non-NR 216 communities	TSS reduced	lbs.	
	TSS reduction	%	
Infiltration	Pre-development stay-on volume	%	
	Stay-on volume	ft ³ /year	
Peak flow discharge for 2 year/24 hour design storm	Change in cubic feet per second for design year	ft ³ /sec	
Protective areas	Bank protected	feet	
Fueling & maintenance areas	Oil sheen presence reduced	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Streambank & Shoreline Protection	Bank erosion reduced	tons	
	Bank protected	feet	
Other:	Pollutant load reduction (if method available)		
	Units (use feet, acres or number as applicable)		

Table C. Urban Planning Projects.			
C.1. Governmental unit(s) involved (list by name):			
C.2. Estimate total acres covered by the	Existing Developed Urban Areas	New Development	Total Acres

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planning product:	acres	acres	acres
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C.3. Products developed (check all below that apply)	Identify Documents by Name (if applicable)
<input type="checkbox"/> Storm Water Plan	
<input type="checkbox"/> Construction or Erosion Ordinances	
<input type="checkbox"/> Post-construction Storm Water Ordinances	
<input type="checkbox"/> Other Types of Storm Water Quality Ordinances	
<input type="checkbox"/> Financing Methods: identified and evaluated	
<input type="checkbox"/> Financing Methods: developed or implemented	
<input type="checkbox"/> I & E Plan	
<input type="checkbox"/> I & E Implementation Activities	
<input type="checkbox"/> Other:	
C.4. Identify the Storm Water goals addressed (check all that apply)	Comments:
<input type="checkbox"/> Reduce TSS	
<input type="checkbox"/> Maintain infiltration	
<input type="checkbox"/> Control Peak Flow	
<input type="checkbox"/> Protective Areas	
<input type="checkbox"/> Control of Fueling & Maintenance Areas	
<input type="checkbox"/> Remove Illicit Discharges	
<input type="checkbox"/> Other:	

4. Satisfaction of Notice Requirements. If cost sharing for this project was offered under a formal notice pursuant to chs. NR 151 or 243, provide information for each notice in the table below.

Notice Information				Notice Satisfaction Information		
Chs. NR 151 or 243 Notice Type	Issue Date	From (Name)	To (Name)	Satisfied?		Date Letter Sent
				Yes	No	
Ch. NR 243, NOD	4/28/2008	Micah Oriedo	Ralph and Sharon Bredl	<input checked="" type="checkbox"/>	<input type="checkbox"/>	11/7/2011
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	

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5. Additional Information. (Space will expand to fit your text.)

The pollutant load reduction of 748 pounds represents the pounds of phosphorus that would be eliminated by preventing all winter time spreading practices associated with the dairy herd for this farm, assuming that without manure storage, direct runoff from winter spread liquid manure would occur.

6. Summary of Project Challenges. (Space will expand to fit your text.)

Construction of the long-term manure storage facility planned on this farm to correct the NOD issue was interrupted and nearly side-lined by another issue unrelated to the NOD. During the final design planning phase of this project, other agency staff (NRCS and DATCP) identified a confined space manure storage transfer channel, and the agencies were not willing to sign off on the prepared design unless the confined space channel was modified to prevent machinery access. NRCS position was if the existing storage system and the proposed new storage facility were connected in any way, then they would not approve plans, unless the channel was properly addressed. DATCP position was, regardless of whether the two systems were connected or not connected, and as long as funding was available to address the confined space, the landowner must make plans to remedy the existing channel. This obviously caused displeasure, hardship, and planning difficulties for the landowner. There was an amendment made to the contract to include cost share funding for the channel modification. The amendment also required the landowner to submit an OSHA approved interim safety plan, it provided a time extension for the contract, and set a schedule for taking steps in addressing the confined channel.

The landowner did submit an approved OSHA interim safety plan for accessing the channel during certain periods of the year. The landowner sought out methods to modify the channel to prevent machinery and human access from entering. All typical modification options were deemed inappropriate and a waste of resources by the landowner. The landowner did actively sought out a mechanical dredging device, but could not find anyone who could manufacture and install a system of this nature.

During the construction of the new manure storage facility, plans to connect the new facility and the older existing storage facility with the channel were not implemented. The two systems remain unconnected.

In the end, a consensus was made that the landowner satisfied all the requirements outlined in the issuance of the NOD, specifically preventing the discharge of liquid manure runoff on cropland during frozen winter conditions, and addressing the discharge of milk house waste. The installation of the long-term manure storage facility, along with proper management provides the tool necessary to prevent future occurrences. In addition, the landowner has submitted annually a nutrient management plan that meets NRCS Standard 590. Therefore, in light of the fact that the new and existing manure storage facilities are not connected to each other, an approved confined space entry safety plan has been developed for the farm, and the landowner has satisfied the NOD requirements, the consensus was not require the landowner to make modifications to the existing manure transfer channel.

7. Grantee Certification.

Checking here ☒ certifies that, to the best of your knowledge, the information contained in this report is correct.

Name of Authorized Representative (type or print) ↓

James Burgener

Title of Authorized Representative (type or print) ↓

Director of Conservation Planning & Zoning

Signature of Authorized Representative

Date

11/22/2011

8. For Departmental Use Only.

Regional NPS Coordinator – Please complete the following:

8.A. Check here ☐ if you have received the following from the project sponsor:

Wisconsin Department of Natural Resources
Bureau of Watershed Management (WT/3)
101 S. Webster St.
Madison, WI 53703
PO Box 7921
Madison, WI 53707-7921

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- one (1) printed, signed, original Final Report + attachments
- one (1) electronic version of Final Report.

Send the printed, signed original Final Report with attachments + electronic version to the Community Financial Assistance Grants Manager. Community Financial Assistance will forward to Runoff Management Section Grants Coordinator.

8.B. Comments about this project:

8.C. Type or print Name of Regional NPS Coordinator →

Karen S. Voss

8.D. Signature of Regional NPS Coordinator

Karen S Voss

8.E. Date

12/6/2011













COUNTY OF MARATHON

CONSERVATION, PLANNING AND ZONING DEPARTMENT

210 River Drive
Wausau, Wisconsin 54403-5449
www.co.marathon.wi.us

Phone: (715) 261-6000
Marathon County: (800) 236-0153
Fax: (715) 261-6016

November 8, 2011

Ralph Bredl
Harmony-Ho Dairy
C1956 Riviera Drive
Stratford, WI 54484

STANDARDS COMPLIANCE FROM GRANT ACTIVITY UNDER GRANT # NOD-UW17-37000-N08

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 under cost-share agreement #2009-01. Installing practices under this cost share agreement has brought you into compliance with performance standards and prohibitions as described in the table below. The Marathon County Conservation Planning and Zoning Department has additional information on file that identifies the precise locations of croplands and livestock facilities where compliance has been achieved.

Name and Citation of Standard/Prohibition	Identification of Parcel Where Compliance Was Achieved
NR 151.02 Sheet, rill and wind erosion	All cropland
NR 151.03 Tillage setback	Land adjacent to all surface waters on farm
NR 151.04 Phosphorus Index	All croplands, pasture and winter grazing areas
NR 151.05(2) New manure storage construction	Farmstead T26N R4E S6, NE¼, SE¼
NR 151.055 Process wastewater handling	Farmstead T26N R4E S6, NE¼, SE¼
NR 151.06(2) Clean water diversion	Farmstead T26N R4E S6, NE¼, SE¼
NR 151.07 Nutrient management	All cropland
NR 151.08(2) No manure storage overflow	Farmstead T26N R4E S6, NE ¼ SE¼
NR 151.08(3) No unconfined manure piles	All of WQMA on farm (300' from streams, 1000' from lakes or ponds)
NR 151.08(4) No direct runoff	Farmstead T26N R4E S6, NE¼, SE¼
NR 151.08(5) No unlimited access by livestock	Farmstead T26N R4E S6, NE¼, SE¼

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 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 state standards and prohibitions as identified above, it is required that you and any future landowners or operators maintain compliance with them.

This letter 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 compliance of other croplands and livestock facilities on your farm with state performance standards and prohibitions. If you have any further questions, please contact Ken Pozorski at 715-261-6000.

Sincerely,

Paul Daigle
Conservation Programs Manager
cc: Karen Voss, DNR Regional Coordinator
Tim Parsons, DNR-Madison, CFA/2

Bredl Farmstead Nov 14, 2011



Legend

Major Highways

- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- PLSS Townships
- PLSS Sections
- PLSS Q-Q Sections
- 24K Watersheds
- 12-digit HUC
- Civil Towns**
- Civil Town
- 24K Open Water
- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial
- Cities and Villages**
- Village
- City

0 700 1400 2100 ft.

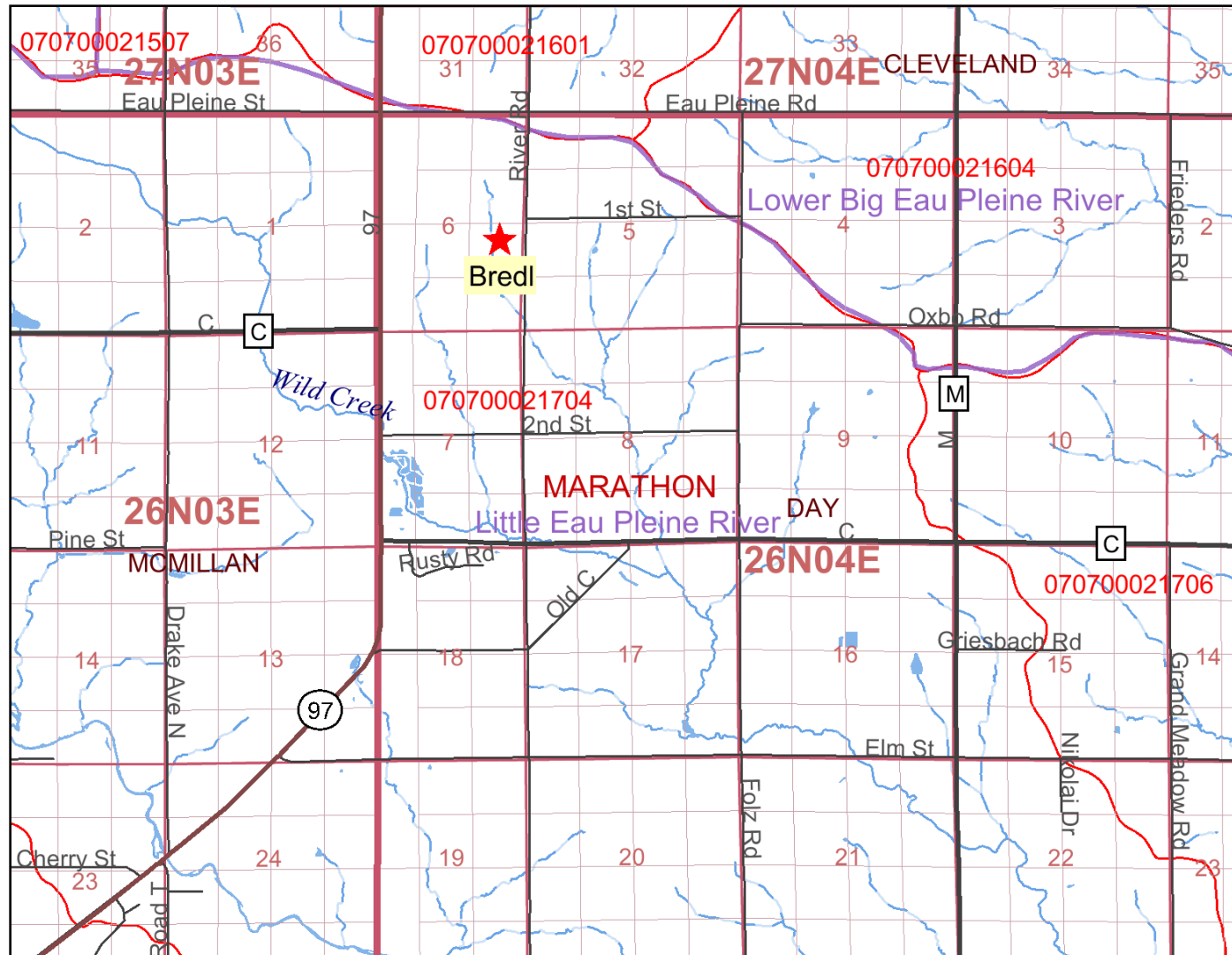


Scale: 1:7,260

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: T26N R4E, S6, NE1/4, SE1/4

Bredl Vicinity 1:50,000 on Nov 14, 2011



0 5000 10000 15000 ft.



Scale: 1:50,000

Legend

Major Highways

- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- PLSS Townships
- PLSS Sections
- PLSS Q-Q Sections
- 24K Watersheds
- 12-digit HUC
- Civil Towns**
- Civil Town
- 24K Open Water
- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial
- Cities and Villages**
- Village
- City

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