

RECEIVED

JAN 31 2007

Notice: This final report is authorized by ss. 281.65 and 281.66, Wis. Stats., and chs. NR 153 and NR 155, Wis. Adm. Code. Personally identifiable information collected will be used for program administration and may be made available to requesters as required under Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

BUREAU OF WATERSHED MGMT

Instructions: The grant agreement requires grantees to submit a Final Report 60 days after the end date listed in the grant agreement. 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.

1. Grant Type

- Agricultural - Targeted Runoff Management Grant
- Urban - Targeted Runoff Management Grant
- Construction - Urban Nonpoint Source & Storm Water Management Grant
- Planning - Urban Nonpoint Source & Storm Water Management Grant

2. Grantee & Project Information

Project Name Bohman 001	Grant Number TRC-MA04-08000-06
Governmental Unit Name Calumet County	Governmental Unit Type (city, village, town, etc.) County
Watershed Name North Branch Manitowoc river	Watershed Code MA04-070
DNR Water Management Unit (River System) Name Manitowoc	Water Body Identification Code (WBIC) (if applicable)

s. 303(d) Waterbody? Yes No

What pollutant(s) were addressed by the project?

Extra Nitrogen, Phosporus, and organic matter get into the surface and ground waters from animal waste.

For each project site location provide the following: (attach additional sheets if necessary)

Location:		A	B	C	D	E
Minor Civil Division Name						
PLSS	Town	20N				
	Range	20E				
	Section	14				
	Quarter	1				
	Quarter-Quarter	4				
Latitude		88° 3' 54.9" W				
Longitude		44° 12' 27.6" N				
Property Owner(s)	Name	Gregory Bohman				
	Mailing address	9235 Cty Rd PP Brillion, WI 54110				
Site address (if different than mailing address)		N8819 Cty Rd PP Brillion, WI 54110				

3. Summary of Results

A. Performance Standards and Prohibitions and Other Water Resources Management Priorities

For grants issued in calendar year 2006 or later, complete Tables A and B (following) consistent with the entries on your grant application. For grants issued prior to calendar year 2006, complete Tables A and B, to the best of your knowledge, consistent with the entries on your grant application.

Table A. Performance Standards and Prohibitions (per ch. NR 151, Wis. Adm. Code, effective October 1, 2002)

Performance Standard or Prohibition	Units of Measure	Quantity	Measurement Method Used
Sheet, rill and wind erosion	Acres meeting T		
Manure Storage Facilities: New Construction/Alterations	Number of facilities	1	Number
	Number of animal units	95	Number
Manure Storage Facilities: Closure	Number of facilities		
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities		
	Number of animal units		
Clean Water Diversions in WQMA	Pollutant load reduction		
	Number of farms with diversions		
	Number animal units		
Nutrient Management on Agricultural Land	Acres planned	231	Acres
Prohibition: Manure Storage Overflow	Number of facilities		
	Number of animal units		
Prohibition: Unconfined Manure Pile in WQMA	Number of farms		
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction		
	Number of facilities		
	Number of animal units		
Prohibition: Unlimited Livestock Access	Feet of bank protected		
	Number of farms		
Urban: 20-40% Reduction in Total Suspended Solids (TSS)	Pounds TSS reduced		
	% TSS reduction		

Table B. Other Water Resources Management Priorities

I. Agricultural Areas	Units of Measure	Quantity	Measurement Method Used
Buffers	Feet of bank protected		
	Number of farms		
Streambank	Tons of bank erosion reduced		
	Feet of bank protected		
Other (specify)			
II. Developed Urban Areas	Units of Measure	Quantity	Measurement Method Used
Urban: 20-40% Reduction in TSS	Pounds TSS reduced		
	% TSS reduction		
Infiltration	% Pre-development stay-on volume		
	Cubic feet stay-on volume		
Peak flow discharge	Change in cubic feet per second		
Protective areas	Feet of bank protected		
Fueling & maintenance areas	Oily sheen presence		
Streambank	Tons of bank erosion reduced		
	Feet of bank protected		
Other (specify)			
III. Planning	Units of Measure	Quantity	Measurement Method Used
Quantify how implementation of the planning project decreased storm water impacts on state waters (i.e., storm water plan, I & E plan, etc.)	Municipalities planned for		
	Acres planned for		
Document/track progress made in implementing the planning product (i.e., ordinance, utility district evaluation/formation, storm water management plan information & education, etc.)	Municipalities planned for		
	Acres planned for		
Other (specify)			

B. Project Results Narrative

The purpose of this project was to reduce surface water and some groundwater contamination from animal waste. The farm is located within a water quality management area of a small unnamed stream that drains into Spring Creek. Spring Creek is a major tributary of the North Branch of the Manitowoc River. While the soil map shows the area around the barn and facilities as Kewaunee clay soils (KnB), soil investigation pits revealed the soil to be more of a sandy loam with 38% fines, bedrock between 5' and 9', and also ground water at 8'. The area also has a few wells that have elevated nitrate and bacteria test results.

To correct problems at this site, a manure storage facility, an above ground Slurrystore, has been constructed. A nutrient management plan has been developed and implemented for manure applications on the land this operator runs. Roof gutters have also been installed on site to divert clean water. The combination of these practices will significantly reduce the amount of nutrients entering the North Branch of the Manitowoc River from this site. The nutrient management plan will also provide groundwater protection in the areas with sandy soils.

Also when available, well testing and stream monitoring will be done in the area of this site.

4. Satisfaction of Notice Requirements (if applicable)

If cost sharing for this project was offered under a formal notice to achieve compliance with performance standards or prohibitions, provide information for each notice in the table below.

Notice Information				Notice Satisfaction Information		
Notice Type	Issue Date	From (Name)	To (Name)	Satisfied?		Date Letter Sent
				Yes	No	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	

5. Summary of Project Challenges

One of the biggest challenges with this project was the site itself. We needed to design a manure storage that was safe for this site. The site has shallow bedrock, shallow groundwater, and some light soils. Although somewhat costly it was determined a Harvestore Slurrystore was the most effective way to address this site.

Also the landowner was in a rush to get cost sharing and to get the project built, which at times made him difficult to deal with as these programs don't move that fast. This past year the grant recipient turned in bills for a roof gutter project which we were unable to fund. While roof gutters would have been a cost sharable practice under his grant he had went and done this practice without going through our department. We had no cost share agreement or design for these roof gutters. For that reason we were unable to fund that practice for him.

6. Additional Information about the Project (optional)

See attached letter.

7. Planning Product (UNPS&SW - Planning Projects only)

Check here if a printed copy of the planning product (e.g., plans, ordinances, analyses) was sent to your DNR Regional Nonpoint Source Coordinator.

Name of Document

Date(s) effective

Date Submitted to NPS Coordinator

8. Grantee Certification:

Check here to certify that, to the best of your knowledge, the information contained in this report is correct and true.

Type or print Name and Title of Authorized Representative certifying here.

William P. Craig, County Administrator

Signature of Authorized Representative

W.P. Craig

Date

1-25-07



CALUMET COUNTY
LAND & WATER CONSERVATION DEPARTMENT



MICHAEL L. HAASE PROJECT SPECIALIST

Greg Bohman
N9235 County Road PP
Brillion, WI 54110

Dear Greg

We are unable to reimburse any cost share money for the roof gutters you installed. In order for the county to cost share a project we must have a signed and approved cost share agreement with the landowner/operator. That cost share agreement must be signed and approved before any construction can even start. We must also have an approved design of the project before any construction starts.

While roof gutters are listed as a practice on the DNR grant we received for your site last year, we do not have a cost share agreement for roof gutters. We also do not have an approved design for roof gutters. For these reasons we cannot cost share this particular project.

Also we very rarely install 5" gutters, as normally they do not handle enough water from barn and shed roofs to meet our specifications. When you had decided to do a roof gutter project, before any construction had taken place, you should have contacted our office. This would have allowed us to write up a cost share agreement and put together a design.

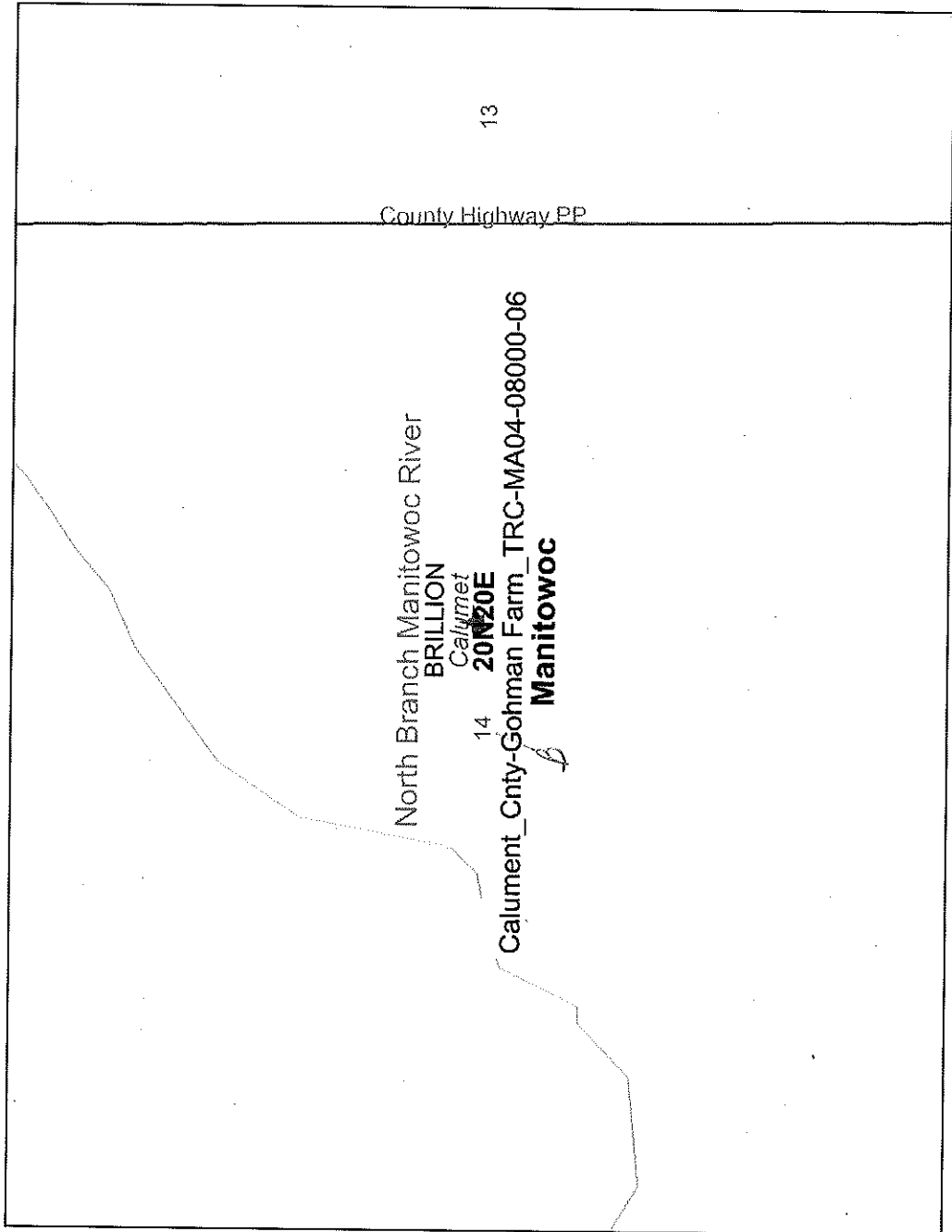
In regards to the nutrient management bill, the TRM Grant you received requires that a yearly nutrient management plan update is done on your property through the manure storage ordinance. Your contract states that it is required for 10 years after installation. You will have to contact your crop consultant for any questions you have regarding this because it is only required that an update be done each year. We will need a copy of the Plan from your consultant each time it is updated.

Please contact our office at (920) 849-1444 if you have any questions.

Sincerely,

Michael Haase
Project Specialist
Calumet County LWCD

Calumet_Cnty-Bohman Farm_TRC-MA04-08000-06



Legend

- ✕ Railroads
- Local Roads
- NR104 Lines
- Trout Stream Lines
- Class 1
- Class 2
- Class 3
- Outstanding and Exceptional Waters
- Exceptional Outstanding
- PRF Sensitive Areas of Lakes
- ASNRI Outstanding and Exceptional Streams
- ORW
- ORW
- ORW
- ASNRI Outstanding and Exceptional Lakes
- ERW
- ERW
- ERW
- ASNRI Wild and Scenic Rivers
- ASNRI Trout Streams
- Class I Trout
- Class II Trout
- Class III Trout
- ASNRI Wild Rice Streams
- ASNRI Wild Rice Areas
- ASNRI Quality Wetland Streams

Scale: 1:1,915



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.