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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

DNR BUREAU OF COMMUNITY
FINANCIAL ASSISTANCE

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 checked="" 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 type="checkbox"/> Notice of Discharge Grant					
2. PROJECT NAME & LOCATION.					
2.1. Project Name: Black Ash Swamp Recharge Protection Project			2.2. Grant Number: TRC-TK04-1500-11E		
2.3. Governmental Unit Name: Door County		2.4. Primary Watershed Name: Ahnapee River		2.5. Watershed Code: TK04	
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	Vandertie, Chris				
Cost-Share Agreement Number (Agricultural only)	12-CVAN-01				
12-Digit Hydrologic Unit Code(s) (HUC) Where Work Was Completed	040301020204				
Nearest Surface Receiving Water Affected					
Name:	Unnamed				
Waterbody Identification Code(s) (WBIC):	5014054				
Nearest Impaired Water Affected					
Name:	Ahnapee River				
Waterbody Identification Code(s) (WBIC):	95840				
Pollutants Reduced	Sediment, Bacteria, Nitrates, and Phosphorus				
Impairments/Impacts Addressed	-Clean Water Diversions in a WQMA -Direct Runoff to Waters of the State				

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DNR GREEN BAY

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	-Sedimentation to Surface and Groundwater -Elimination of Winter Spreading				
Project Location(s) (cont.) →	A.	B.	C.	D.	E.
Project Coordinates:					
Town	26				
Range	24E				
Section	28				
Quarter	S42 NW				
Quarter-Quarter	NW 1/4 NW 1/4				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer (SWDV))	44° 70' 21" S 44.7023				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)	87° 50' 00" W 87.8333				

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"	334 acres	RUSLE-2
Manure Storage Facilities: New Construction/Alterations	Number of facilities	1 facilities	count
	Number of animal units	223 animal units	count
Manure Storage Facilities: Closure	Number of facilities	facilities	
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities	1 facilities	count
	Number of animal units	223 animal units	count
Clean Water Diversions in WQMA	Pollutant load reduction	42 lbs.	BARNY Model
	Number of farms with diversions	1 farms	count
	Number animal units	223 animal units	count
Nutrient Management on Agricultural Land	Acres planned	334 acres	count
Prohibition: Manure Storage Overflow	Number of farms	farms	
	Number of animal units	animal units	
Prohibition: Unconfined Manure Pile In WQMA	Number of farms	farms	
	Pollutant load reduction	42 lbs.	BARNY Model
Prohibition: Direct Runoff From Feedlot/Stored Manure	Number of facilities	1 facilities	count

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	Number of animal units	223 animal units	count
Prohibition: Unlimited Livestock Access	Feet of bank protected	feet	
	Number of farms	farms	

Table A. Agricultural Projects. (continued)			
A.2. Other Management Measures			
	Units of Measure	Quantity	Measurement Method Used
Streambank & Shoreline Protection	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other: Elimination of Winter Spreading	Units (use feet, acres or number as applicable)	334	count
	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	Oily 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.			
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C.1. Governmental unit(s) involved (list by name):

C.2. Estimate total acres covered by the planning product:	Existing Developed Urban Areas	New Development	Total Acres
	acres	acres	acres

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	
Local Regulation	August 22, 2011	Door County SWCD	Christopher Vandertle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	January, 20 2014
				<input type="checkbox"/>	<input type="checkbox"/>	

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				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>

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

The dominant aim of this project was the protection of the habitat of the Black Ash Swamp and the Ahnapee River as well as prevention of discharge to a source water area for the City of Green Bay drinking water supply. Elimination of runoff from the barnyard, feedlot areas and existing manure storage as well as milkhouse waste will prevent discharge to both the ground and surface water resources of the Ahnapee River and the wetland complex that feeds parts of the system. Soils that were shallow to bedrock in the area also posed a threat to groundwater and the installation of the proposed BMPs did reduce the impacts of this operation to the water quality management areas associated with this area.

The primary benefit of this project was the elimination of direct runoff of nutrients from the operation as well as providing adequate storage to prevent the need for winter application of manure in sensitive areas. Installation of proposed BMPs resulted in an efficient, no-runoff system where all potential impacts from bacteria, nitrates, phosphorus and sedimentation are controlled through storage of all waste and associated runoff and proper application in appropriate areas through an approved nutrient management plan.

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

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) ↓ Wm E. Schuster	Title of Authorized Representative (type or print) ↓ Co. Construction
Signature of Authorized Representative <i>W. E. Schuster</i>	Date 1/27/10

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:

- 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.

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8.B. Comments about this project: Lat 44.7023 Lon -87.5995 Khnapee River 2014 303d list: pollutant: total phos ; impairment: degraded biological community	
8.C. Type or print Name of Regional NPS Coordinator →	Erin E. Hanson
8.D. Signature of Regional NPS Coordinator <i>Erin E. Hanson</i>	8.E. Date 1/30/14