

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: Lilly Bay Watershed Groundwater Protection Project			2.2. Grant Number: TRC-TK06-15000-12A		
2.3. Governmental Unit Name: Door County Soil and Water Conservation Department			2.4. Primary Watershed Name: Upper Door County		2.5. Watershed Code: TK06
<p>NOTE FOR SECTION 2.6 (which follows):</p> <p>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.</p>					
2.6 Site Location(s) →	A.	B.	C.	D.	E.
Name of Cost-Share Recipient or Governmental Unit	Long, Lucas				
Cost-Share Agreement Number (Agricultural only)	14-LON-01				
12-Digit Hydrologic Unit Code(s) (HUC) Where Work Was Completed	040301020109				
Nearest Surface Receiving Water Affected					
Name:	Unnamed				
Waterbody Identification Code(s) (WBIC):	5536295				
Nearest Impaired Water Affected					
Name:	Lilly Bay Creek				
Waterbody Identification Code(s) (WBIC):	97100				
Pollutants Reduced	Nutrients, Bacteria, Phosphorus				
Impairments/Impacts Addressed	Clean water diversions Prevention of overflow from manure storage facilities				

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	Unconfined manure pile in WQMA Direct runoff into waters of the state				
Project Location(s) (cont.) →	A.	B.	C.	D.	E.
Project Coordinates:					
Town	Town of Sevastopol				
Range	26E				
Section	26				
Quarter	SW				
Quarter-Quarter	SE				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer (SWDV))	44° 52' 5.0"				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)	87° 18' 56.0"				

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"	234.3 acres	Count
Manure Storage Facilities: New Construction/Alterations	Number of facilities	1 facilities	Count
	Number of animal units	106.5 animal units	Count
Manure Storage Facilities: Closure	Number of facilities	facilities	
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities	facilities	
	Number of animal units	animal units	
Clean Water Diversions in WQMA	Pollutant load reduction	24 lbs.	Barny
	Number of farms with diversions	1 farms	Count
	Number animal units	106 animal units	Count
Nutrient Management on Agricultural Land	Acres planned	234.3 acres	Count
Prohibition: Manure Storage Overflow	Number of farms	1 farms	Count
	Number of animal units	106.5 animal units	Count
Prohibition: Unconfined Manure Pile in WQMA	Number of farms	farms	
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction	24 lbs.	Barny
	Number of facilities	1 facilities	Count

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	Number of animal units	106.5 animal units	Count
Prohibition: Unlimited Livestock Access	Feet of bank protected	feet	
	Number of farms	farms	

Table A. Agricultural Projects. (continued)	Units of Measure	Quantity	Measurement Method Used
A.2. Other Management Measures			
Streambank & Shoreline Protection	Units (use feet, acres or number as applicable) Pollutant load reduction (if method available)		
Other: Elimination of Winter Manure Application	Units (use feet, acres or number as applicable) Pollutant load reduction (if method available)	234	Count
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.	Units of Measure	Quantity	Measurement Method Used
B.1. Required Management Measures			
20-40% Total Suspended Solids (TSS) Reduction for NR 216 communities	TSS reduced TSS reduction	lbs. %	
B.2. Other Management Measures			
20-40% Reduction in TSS for non-NR 216 communities	TSS reduced TSS reduction	lbs. %	
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 Bank protected	tons feet	
Other:	Pollutant load reduction (if method available) Units (use feet, acres or number as applicable)		

Table C. Urban Planning Projects.

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

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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)	
<input type="checkbox"/> Reduce TSS	Comments:
<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	3/19/2013	Door County SWCD	Long, Lucas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1/7/2015
				<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.)

In 2007, this operation received a small amount of cost-sharing to make some repairs on the filter strip to meet minimum standards. Upon completion, the SWCD sent a compliance notification. In subsequent years, the SWCD has come to the conclusion that the repairs were not enough to achieve full compliance and the operation was not actually in compliance. It would have been impossible to achieve compliance on this site with the existing filter strip.

This project accomplished protection of private wells in the neighborhood through prevention of discharge to areas susceptible to groundwater contamination, particularly areas with soils that are shallow to bedrock.

The primary benefit of this project is the protection of groundwater quality through construction of a 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.

A secondary benefit is the protection of wetlands and other surface waters through elimination of winter applications and the potential of discharge to ditches and waterways adjacent to and throughout cropland operated by this farm.

BMPs included eliminating the existing filter strip, additional barnyard area with some roofed portions and a milkhouse waste collection system. All runoff from these components is collected and transferred to a newly constructed, properly-sized collection basin to create a no runoff system that will achieve compliance with State Agricultural Performance Standards and Manure Management Prohibitions.

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

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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) ↓ William E. Schuster	Title of Authorized Representative (type or print) ↓ Co. Conservationist
Signature of Authorized Representative W.E. Schuster	Date 1/9/15

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.

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

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

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8.B. Comments about this project:		
8.C. Type or print Name of Regional NPS Coordinator →		
8.D. Signature of Regional NPS Coordinator		8.E. Date



Direct Runoff from Stored Manure



Non-Functioning Pump in Manure Storage Sump







10 / 16 / 2014





Lilly Bay Watershed Groundwater Protection Project



Installation of Waste Transfer System



12/29/2014

Completion of Waste Transfer Pumping System



12/29/2014

Completion of Manure Storage System



12/29/2014

Completion of Manure Storage System