State of Wisconsin
Department of Natural Resources-WT/3
101 S. Webster St.
Madison, WI 53707

dnr.wi.gov

Final Report

Targeted Runoff Management Grant Program and Urban Nonpoint Source and Storm Water Management Grant Program

Form 3400-189 (R 6/08)

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.].

Instructions: Your grant agreement requires you 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. The DNR prefers that Final Reports be submitted in electronic format. If, however, printed copies of Final Reports are submitted, please submit three (3) complete originals to your regional Nonpoint Coordinator.

1. Grant Type -- Please check one.

☒ Targeted Runoff Management Grant – Agricultural

☐ Targeted Runoff Management Grant – Urban

☐ Urban Nonpoint Source & Storm Water Management Grant – Construction

☐ Urban Nonpoint Source & Storm Water Management Grant -- Planning

2. Grantee & Project Information

Project Name	Grant Number
Stony Creek/Dale Uecker Farm	**TRC-TK05-15000-07D**
Governmental Unit Name	Primary Watershed Name and Watershed Code
Door County Soil and Water Conservation Department	**Stony Creek/TK-05**
Nearest Water Body Name	Nearest Water Body Identification Code (WBIC) (if applicable)
DNR Water Management Unit (River System) Name	s. 303 (d) Listed Waterbody? ☒ Yes ☐ No.
Twin Door-Kewaunee	

What pollutant(s) were addressed by the project (e.g., nitrogen, phosphorus, sediment, thermal control, *etc.*)?

Bacteria, Nitrates, Phosphorus and Sediment

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

Location:		A	B	C	D	E
Minor Civil Division Name (City, Township, Village, etc.)		**Town of Forestville**				
PLSS	Town	**26N**				
	Range	**25E**				
	Section	**15**				
	Quarter	**SW**				
	Quarter-Quarter	**NW**				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer, SWDV)		**44°, 43', 29"**				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)		**87°, 27', 29"**				
Property Owner(s)	Name	**Dale Uecker**				
	Mailing address	**1114 County O** **Forestville, WI 54213**				

Site address *(Not mailing address)*					

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.

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	**470**	**RUSLE 2**
Manure Storage Facilities: New Construction/Alterations	Number of facilities	**1**	**Count**
	Number of animal units	**210**	**Count**
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	**104**	**BARNY**
	Number of farms with diversions	**1**	**Count**
	Number animal units	**210**	**Count**
Nutrient Management on Agricultural Land	Acres planned	**470**	**Count**
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	**104**	**BARNY**
	Number of facilities	**1**	**Count**
	Number of animal units	**210**	**Count**
Prohibition: Unlimited Livestock Access	Feet of bank protected		
	Number of farms	**1**	**Count**
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

Mr. Uecker was sent a Notification of Noncompliance for his dairy operation in the Town of Forestville. The operation consisted of a barnyard that drained to a wetland complex and a short-term manure storage that did not provide adequate storage to prevent winter application of manure in sensitive areas; the notification sent included an offer of cost-sharing and a deadline to achieve compliance.

The project consisted of construction of a long-term manure storage to store all waste from all sources. A waste transfer system was retrofitted to the existing short-term storage to pump all waste from the dairy barn, including milkhouse waste, to the new storage. A barnyard collection system with a stacking area for barnyard scrapings was also constructed and runoff from these areas drains to a reception tank that is pumped to the long-term manure storage. Mr. Uecker elected to build a new freestall building for his heifers, this was done at his cost; a piston pump and manure transfer from the new building to the long-term storage was installed as part of this project. Construction of this facility allowed for removal of these animals from sensitive areas near the main farm as well as the satellite farm on the other side of the road.

Mr. Uecker is actively implementing an approved nutrient management plan for all of his owned and rented acreage. This plan is on file with the SWCD and is updated annually.

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		
				Satisfied?		
Notice Type	Issue Date	From (Name)	To (Name)	Yes	No	Date Letter Sent
Local Regulation	**6/5/07**	**Door County SWCD**	**Dale Uecker**	☒	☐	**12/30/08**
				☐	☐	
				☐	☐	
				☐	☐	

5. Summary of Project Challenges

Groundwater was a challenge at this site. The proximity of the water table to the surface dictated the type and siting of the long-term manure storage as well as the use of the "super tank" design for the reception tank; this tank is designed to be constructed in the water table to meet requirements outlined in NRCS Spec 313.

6. Additional Information about the Project (optional)

This project addressed runoff from barnyard areas and winter application of manure in the Stony Creek wetland complex. The Ueckers are very conciensus operators and were very willing project participants. The overall result has been a success.

7. Final Product(s) -- All Projects

A. Construction Projects

☐ A.1. Checking here indicates that a printed copy of project plans and specifications was sent to your DNR Regional Nonpoint Source Coordinator.

☒ A.2. Checking here indicates that photo-documentation of the project's construction is attached.

B. Planning Projects

☐ B.1. Checking here indicates that a printed copy of the planning product (*e.g.,* plans, ordinances, analyses) was sent to your DNR Regional Nonpoint Source Coordinator.

☐ B.2. Checking here indicates that the Regional Nonpoint Source Coordinator has approved the final Planning Product(s).

☐ B.3. Checking here indicates that your governmental unit has adopted the final Planning Product(s).

Name of Planning Document(s)	Date(s) effective	Date Submitted to NPS Coordinator

8. Grantee Certification:

☒ Checking here certifies 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 Schuster, County Conservationist

Signature of Authorized Representative	Date
W. S. Schuster	1/5/09

9. **FOR DEPARTMENTAL USE ONLY**

REGIONAL NONPOINT COORDINATOR -- Please complete the following:

☐ Checking here indicates that you received either planning or construction plans and specifications from the project sponsor, as appropriate. Attach a copy of the approval.

☐ Checking here indicates that you approved the final construction. Attach a copy of the final construction approval.

☐ Checking here indicates that you have approved the final Planning Product(s).

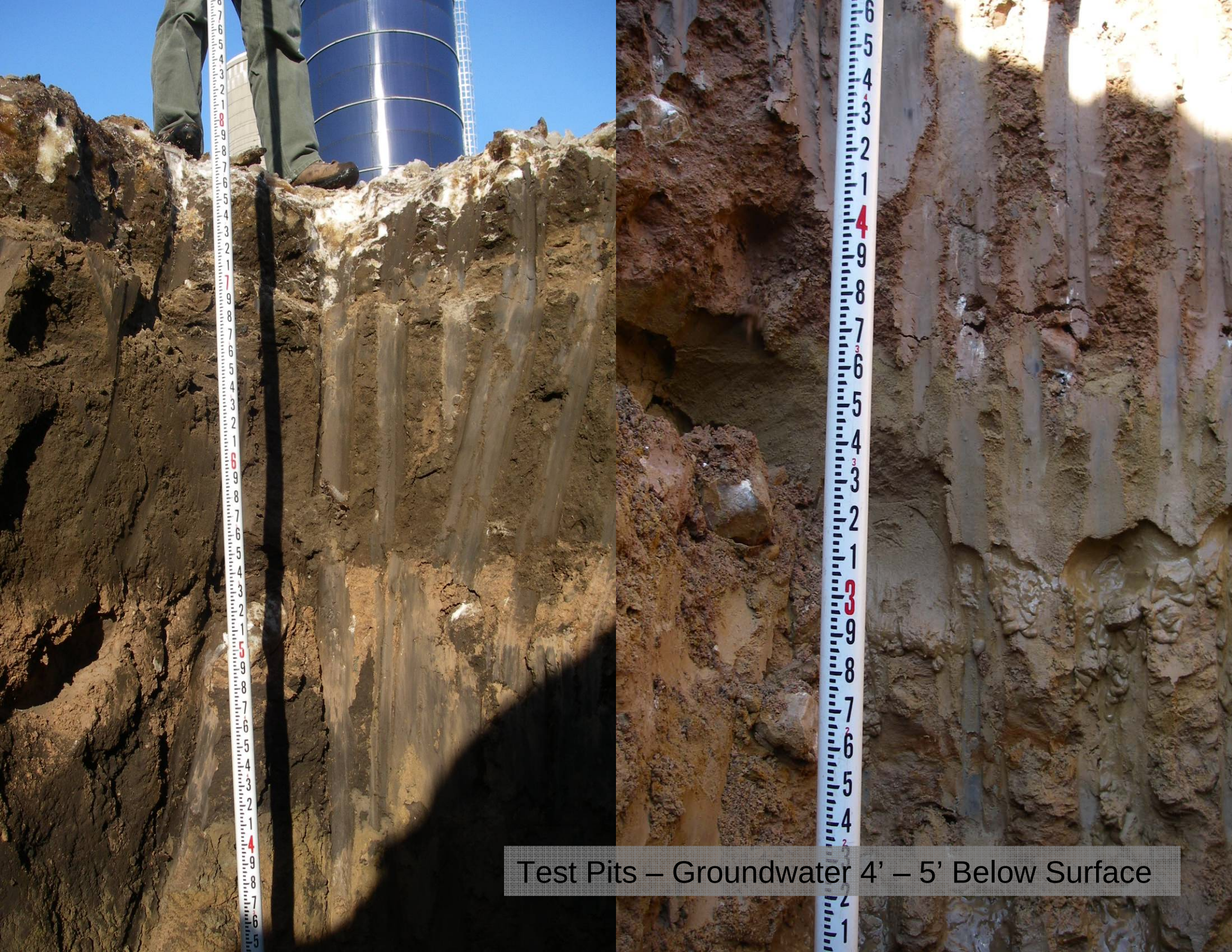
☐ Check here if two (2) signed, original copies of the Final Report and attachments have been sent to Runoff Management Section Grants Coordinator. Note: Regional Nonpoint Source Coordinator may retain one (1) copy of the signed, original Final Report.

Type or print Name of Regional Nonpoint Coordinator

Signature of Regional Nonpoint Coordinator	Date

Pre Construction Barnyard – Gate with No Runoff Control

Pre Construction Barnyard – No Runoff Control



Test Pits – Groundwater 4’ – 5’ Below Surface

Piston Pump in New Heifer Building

Waste Transfer – Tie into Existing Reception Tank

Slurry Store Ready for Installation of Floor

Super Tank – Double Steel, 10” Walls, 11” Floor

Barnyard – 4’ Wall in Scrape Area and New Concrete Tied to Existing

New Barnyard Tied into Existing – All Runoff to Reception Tank


2’ Wall Doweled to Existing Slab

New Gate Area Graded Back to the Barnyard

Reception Tank Push-In Slot

Barnyard Reception Tank Pump