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

Form 3400-189 (R 11/05)

DEPARTMENT OF WATERSHED MGMT

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: 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 Apple River Water Quality Improvement Projects	Grant Number TRM-SC04-56181-03
Governmental Unit Name Somerset	Governmental Unit Type (city, village, town, etc.) Village
Watershed Name Lower Apple River Watershed	Watershed Code SC04-27
DNR Water Management Unit (River System) Name St. Croix	Water Body Identification Code (WBIC) (if applicable) 2614250

s. 303(d) Waterbody? Yes No

What pollutant(s) were addressed by the project?

phosphorus and TSS

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

Location:		A	B	C	D	E
Minor Civil Division Name		Village of Somerset				
PLSS	Town	30N				
	Range	19W				
	Section	3				
	Quarter	NW				
	Quarter-Quarter	SE				
Latitude		45° 6' 59" W				
Longitude		92° 40' 25" N				
Property Owner(s)	Name	Village of Somerset				
	Mailing address	P.O. Box 356 Somerset, WI				
Site address <i>(if different than mailing address)</i>						

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		
	Number of animal units		
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		
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	85	P-8

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	85	P-8
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>i.e.</i> , storm water plan, I & E plan, <i>etc.</i>)	Municipalities planned for		
	Acres planned for		
Document/track progress made in implementing the planning product (<i>i.e.</i> , ordinance, utility district evaluation/formation, storm water management plan information & education, <i>etc.</i>)	Municipalities planned for		
	Acres planned for		
Other (specify)			

B. Project Results Narrative

The primary objective of this project focused on the control and reduction of the amount of sediment and nonpoint source pollutants being discharged into the Apple River. The purpose of the pond is to filter out the sediments.

The pond was constructed and vegetation was established. The original construction of the pond had some issues with infiltration. The revised pond was designed and constructed in the summer of 2005. This new design met the standards of the DNR.

Prior to the installation of the ponds, this area was just two vacant lots. There were no controls in this area to achieve a reduction in runoff being conveyed to the Apple River. The installation of the ponds allowed for a reduction in TSS in runoff from existing as well as future development in the area.

P-8 and HydroCAD were used to determine the direction and flow of the water as well as the reduction in amount of TSS the pond provides.

A lot of data was collected in the initial phases of this project. The data collected included land cover, aerial photos, evaluation of existing stormwater management and drainage systems, watershed and topographic information, as well as the location of existing/future development, wetlands, and environmental corridors.

A public and informational meeting was held to kick off the project back in November of 2002.

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

Initial testing showed the pond did not infiltrate at an adequate rate. In order to achieve the necessary infiltration rate, the pond had to be reconstructed as a wetland treatment cell.

6. Additional Information about the Project (optional)

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
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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.

Pam Donohoe, Village of Somerset Clerk

Signature of Authorized Representative

A handwritten signature in black ink, appearing to be "R. M. D.", written over a horizontal line.

Date

4/5/07