

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 Cold Spring Road Pond	Grant Number USC-LF06-70008-09
Governmental Unit Name Town of Menasha	Governmental Unit Type (city, village, town, etc.) Town
Watershed Name Little Lake butte des Morts	Watershed Code LF06
DNR Water Management Unit (River System) Name Fox River	Water Body Identification Code (WBIC) (if applicable)

s. 303(d) Waterbody? Yes No

What pollutant(s) were addressed by the project?

Reduce non-point pollution before discharge into the Fox River and assist in compliance with The Town's MS4 Permit compliance

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

Location:		A	B	C	D	E
Minor Civil Division Name		Town of Menasha				
PLSS	Town	Menasha				
	Range	17E				
	Section	8				
	Quarter	SE				
	Quarter-Quarter	SE				
Latitude		44, 13', 1"				
Longitude		88, 29', 10"				
Property Owner(s)	Name	Town of Menasha				
	Mailing address	2000 Municipal Dr. Neenah, WI 54956				
Site address (if different than mailing address)		1424 Cold Spring Rd Neenah, WI 54956				

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		

Table B. Other Water Resources Management Priorities

	Units of Measure	Quantity	Measurement Method Used
I. Agricultural Areas			
Buffers	Feet of bank protected		
	Number of farms		
Streambank	Tons of bank erosion reduced		
	Feet of bank protected		
Other (specify)			
II. Developed Urban Areas			
Urban: 20-40% Reduction in TSS	Pounds TSS reduced	54144	WinSLAMM v 9.3.0
	% TSS reduction	80.0	WinSLAMM v 9.3.0
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)	TP Removal (% Removal)	58	WinSLAMM v 9.3.0
III. Planning			
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 Town of Menasha obtained an Urban Nonpoint and Stormwater (UNPS&SW) Grant from the WDNR to assist with the design and construction of a new stormwater quality pond. The pond is a wet detention pond intended to provide total suspended solids (TSS) and total phosphorus (TP) removal for the watershed.

The purpose of the construction project is to reduce non-point source pollution prior to discharge into the Town's storm sewer system (MS4) and ultimately the Fox River. The project will also assist the Town of Menasha with future NR 216 / WPDES Municipal Permit compliance and NR 151.13 requirements. Specific water quality goals for Cold Spring Pond and its 152 acre drainage area include an 80 percent reduction in total suspended solids and 55 percent reduction in phosphorus. Based upon our modeling (as listed on previous summary of results per WinSLAMM v 9.3.0), the Cold Spring Pond construction project achieves 80% reduction in TSS and 58% reduction in TP. The Town of Menasha will continue to own, operate and maintain the Industrial Pond.

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

The project cost increased due to the rock blasting quantity increase. Soil borings were used to estimate the rock excavation needed to construct the pond. Excavations exposed a rock elevation higher than anticipated on the soil borings. The contractor needed to remove more rock, increasing project costs. In addition, the contract needed to be extended to allow for proper landscaping of the pond, due to the need to allow existing weed seeds in the topsoil to germinate, prior to prairie seeding, in order to establish a healthy prairie.

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
Storm Water Management Plan for the Cold Spring Pond	May 8, 2009	June 30, 2009

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.

George L. Dearborn Jr., AICP, Director of Community Development

Signature of Authorized Representative

Date

1/20/2011

Inspected by Gus Olesen on 09/09/10
Approved by Gus Olesen 12/16/11