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

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
City of Appleton, Stormwater Management Plan Update	**USP-LF04-44201-07B**
Governmental Unit Name **City of Appleton**	Primary Watershed Name and Watershed Code **Lower Fox/Appleton LF04, Duck LF05, Apple and Ashwaubenon Creeks LF02, Plum and Kankapot LF03, Lake Winnebago/North and West UF01, Wolf River/New London and Bear Creek WR12**
Nearest Water Body Name	Nearest Water Body Identification Code (WBIC) (if applicable)
DNR Water Management Unit (River System) Name **Lower Fox River**	s. 303 (d) Listed Waterbody? ☒ Yes ☐ No.

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

sediment and phosphorus

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.)		**City of Appleton**				
PLSS	Town	**20, 21, 22N**				
	Range	**17E, 18E**				
	Section	**1, 2, 4-8, 11-15, 22-28, 30, 31, 33-36**				
	Quarter	**varies**				
	Quarter-Quarter	**varies**				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer, SWDV)		**44deg 15 min 44sec**				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)		**88deg 24min 22sec**				

Property Owner(s)	Name	**Paula Vandehey, Director of Public Works**				
	Mailing address	**100 N. Appleton Street, Appleton, WI 54911**				
Site address *(Not mailing address)*		**entire city limits**				

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		
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	**643**	**SLAMM v9.2**
	% TSS reduction	**40**	**SLAMM v9.2**

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	**1**	**Count**
	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	**1**	**Count**
	Acres planned for		
Other (specify)			

B. Project Results Narrative

1a. The city-wide Stormwater Management Plan was updated under this grant project to include new technical guidance for the SLAMM modeling for street sweeping, riparian areas, and permitted industries, as well as requirements of the final WPDES permit. These items were not available for the previous city plan that was completed in 2004-2005. The new SLAMM modeling also helped the city to review whether or not previously selected practices were still cost effective in meeting the goals of the permit. Some projects identified in the original plan were removed from consideration due to new data for the cost per ton of sediment removed. New practices were identified that are more cost effective in achieving the goals of the permit.

1.b. This section does not apply to NPS planning projects.

2. The city gathered a Stormwater Advisory Committee (SAC) that included citizens, businesses and Lawrence University. This group was similar to the one that met in 2004 and 2005 to help develop the original plan. The SAC met on May 9, 2007 and September 25, 2007 to review changes and accomplishments since the original plan and issues and ideas for the updated plan. The Utilities Committee, a body of 5 elected alderpersons, reviewed the draft plan update on November 27, 2007 and approved the plan update on February 26. 2008. The Common Council approved the plan update on March 5, 2008.

3. The City of Appleton continues to enforce our Erosion Control Ordinance that became effective January 1. 1999. New computerized tracking has been put in place in 2008 to make reporting enforcement activites in the WPDES Annual Report easier for staff. The City of Appleton also continues to enforce our Post-Construction Stormwater Ordinance that became effective January 1, 2004, by hiring a qualified consultant (Earth Tech) to review plans submitted under the ordinance, working with the City of Appleton Attorney to record maintenance agreements, and keeping a log to monitor recording of agreements and as-built and certification submittals.

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
				☐	☐	
				☐	☐	
				☐	☐	
				☐	☐	

5. Summary of Project Challenges

One of the challenges is finding people willing to commit their time and energy to serve on the advisory committee. Not everyone that was asked to participate did participate. Some level of knowledge or above average interest in water quality issues is needed in the people and organizations that are asked to serve on an advisory committee. It was also difficult to find dates that everyone was available to meet.

Another challenge was the delay in obtaining the proposed plan approval from the NE Region Grants Coordinator. Plans were submitted in early March 2008 and approval was not received until October 2008.

A. The City of Appleton would not have done anything different in developing this plan update.

B. City of Appleton staff has no recommendations concerning the Runoff Management Program.

6. Additional Information about the Project (optional)

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
City of Appleton Stormwater Management Plan Update	**March 5, 2008**	**March 10, 2008.**

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.

Paula Vandehey, Director of Public Works

Signature of Authorized Representative	Date

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