

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 <b>City of Appleton, Stormwater Pollution Prevention Plan</b>	Grant Number <b>USP-LF04-44201-07C</b>
Governmental Unit Name <b>City of Appleton</b>	Primary Watershed Name and Watershed Code <b>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</b>
Nearest Water Body Name	Nearest Water Body Identification Code (WBIC) (if applicable)
DNR Water Management Unit (River System) Name <b>Lower Fox River</b>	s. 303 (d) Listed Waterbody? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No.

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

**sediment, phosphorus, grease and oils, chloride**

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

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

**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	<b>0</b>	<b>NA</b>
	% TSS reduction	<b>0</b>	<b>NA</b>

**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	
	Other (specify)	Feet of bank protected	
<b>II. Developed Urban Areas</b>			
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>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	<b>1</b>	<b>Count</b>
Other (specify)			

**B. Project Results Narrative**

**1a. The City of Appleton Pollution Prevention Program developed under this grant addressed Sections 2.6.1 through 2.6.5 and 2.6.7 though 2.6.9 of the WPDES Phase II permit. Section 2.6.6, Stormwater Management Plans for individual municipal facilities, was completed under a separate grant contract. The plan incorporates the activities of eight different city departments and divisions.**

The plan addresses the following practices and pollutants:

- \* long term maintenance of city owned structural stormwater facilities targeting sediment and phosphorus
- \* routine street sweeping and associated material disposal targeting sediment and phosphorus
- \* appropriate use of road salt and de-icers targeting chloride
- \* management of leaves and grass clippings targeting phosphorus
- \* proper use of lawn and garden fertilizers targeting phosphorus
- \* education of municipal employees targeting sediment, phosphorus and chloride
- \* source water protection targeting sediment, phosphorus, and chloride

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

**2. Information and education activities under this grant project were extensive. During project startup, meetings were held to discuss current practices by different departments. City staff learned of each others practices and needs. This will allow future discussions on sharing of labor and equipment to improve practices and efficiencies throughout the city. Discussions with each individual department were held to review and refine the plan. Elected officials reviewed the plan at the Utilities Committee on September 9 and approved it on September 23. The plan was approved by the Common Council on October 1, 2008. Training on the overall Pollution Prevention plan by the consultant was held with the staff of the Department of Public Works Operations Division on October 7, 2008. Similar training by the consultant was held with the Parks and Forestry staff of the Parks and Recreation Department on October 13, 2008. On December 4, 2008, the consultant provided specific training for snow and ice control and the use of chlorides to the Department of Public Works Operations Division (approximately 55 people). Discussions with the Fire and Facilities Departments on smaller scale activities during the plan development will continue and will hopefully improve practices for grass and yard waste and fertilizer use.**

**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 activities 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		
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**

One of the challenges encountered during the project was the reluctance of staff to communicate freely in front of management and other staff. Another challenge was starting the project so far ahead of its due date. That, coupled with the consultant's serious illness, caused the project to be set aside for several months while recovery, the Annual Report and the first four plans of the Phase II permit were completed. The consultant also underestimated the time needed to work with so many city departments. Much of the review and refinement of the draft program document was completed by city staff.

A. The City of Appleton would not have done anything different in developing this plan update. Although this plan could have been developed without a consultant, the consultant added credibility to the project and the training, and was a neutral facilitator to open communication between staff within and between departments. In the end it was the correct choice.

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 Pollution Prevention Program	October 1, 2008	August 29, 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
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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

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Signature of Regional Nonpoint Coordinator

Date

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