

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 Stormwater Planning Projects	Grant Number USP-LF03-44241-07
Governmental Unit Name Kaukauna	Governmental Unit Type (city, village, town, etc.) City
Watershed Name Apple & Ashwaubenon Creeks, Plum and Kankapot Creeks, and Fox River/Appleton	Watershed Code LF02-113, LF03-113, and LF04-113
DNR Water Management Unit (River System) Name Lower Fox River Basin	Water Body Identification Code (WBIC) (if applicable)
s. 303(d) Waterbody? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

What pollutant(s) were addressed by the project?

Total Suspended Solids (TSS) 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		Kaukauna				
PLSS	Town	21 N	21 N			
	Range	18 E	19 E			
	Section	11-14,23-26,35-36	7,18,19,30-31			
	Quarter					
	Quarter-Quarter					
Latitude		44 deg. 16' 16" N	44 deg. 16' 16" N			
Longitude		88 deg. 15' 88" W	88 deg. 15' 88" W			
Property Owner(s)	Name					
	Mailing address					
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		

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	345430	WinSLAMM v.9.2.1
	% TSS reduction	40	WinSLAMM v.9.2.1
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	1	Count
	Acres planned for	3369	Count
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	1	Count
	Acres planned for	3369	Count
Other (specify)			

B. Project Results Narrative

The City of Kaukauna obtained an Urban Nonpoint Source and Stormwater Planning (UNPS&SW) Grant from the WDNR to assist with the preparation of a Storm Water Management Plan. The purpose of the SWMP is to provide the City with the long-term guidance necessary to comply with NR 216 stormwater regulations, and improve water quality to receiving waterbodies. Additionally, the City is responsible for developing a SWMP and implementing six minimum control measures. The six minimum control measures are: Public Education and Outreach, Public Involvement and Participation, Illicit Discharge Detection & Elimination, Construction Site Pollutant Control, Post-Construction Site Storm Water Management, and Municipal Pollution Prevention.

In accordance with the City of Kaukauna's Municipal Permit, the City is required to achieve a 20% TSS reduction (183,179 lbs) by December 15, 2008 and a 40% TSS reduction (366,358 lbs) by March 10, 2013 within its developed urban area. The storm water quality analysis was prepared using the Source Loading and Management Model for Windows (WinSLAMM). The SLAMM analysis predicts runoff volumes and non-point source pollution loads based on information inputted into the program such as land use and soil type. Win SLAMM also calculates the amount of pollutant removal provided by Best Management Practices (BMPs). Best Management Practices include street sweeping, grass swales, wet ponds, biofiltration, and other BMPs.

Based on the modeling described, the City of Kaukauna is currently achieving a 20.6 % TSS reduction, or 177,908 lbs of TSS being removed on an annual basis. The 20.6% reduction is based on the City of Kaukauna excluding 2 industrial permits within City limits (Thilmany's and MCC). In order for the City of Kaukauna to comply with their Municipal permit, the City needs to remove an additional 188,450 lbs by March 10, 2013. In accordance with WDNR, three alternatives were outlined for the City to achieve 40% reductions. Two additional alternatives were also prepared based on projects proposed within the City. The five alternatives were outlined within the SWMP. Public involvement, Capital Cost, Operation & Maintenance Cost, Land Acquisition, and obtaining WDNR permits are a few factors that play a role in determining the Cities ultimate plan.

The City of Kaukauna completed the following items under the UNPS&SW Grant:

The City Council approved a Nutrient Management plan for City of Kaukauna properties.

The Cities entire drainage system is mapped. The drainage system maps were included with the Storm Water Management Plan which was submitted to the Wisconsin Department of Natural Resources regional office in Green Bay.

A Citizen Advisory Board (CAB) was convened and met on several occasions to involve itself in matters relating to public involvement and education. The CAB did rank order topics which should be addressed as part of an information and education campaign.

The City has developed a dedicated funding source or stormwater utility fee to financially support the municipal stormwater program, including public education and outreach. The City is working with businesses prior to adopting the stormwater utility fee.

The City has developed the following components of the plan:

Public Education and Outreach

Public Involvement & Participation

Illicit Discharge Detection & Elimination

Construction Site Pollution Control

Post Construction Storm Water Management

Municipal Pollution Prevention

Work on all phases of the Storm Water Planning Grant was completed on December 15, 2008.

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

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 Stormwater Management Plan for the City of Kaukauna	Date(s) effective 12/15/2008	Date Submitted to NPS Coordinator December 15, 2008
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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.

JOHN W. SUNDELIUS

DIRECTOR OF PUBLIC WORKS

Signature of Authorized Representative

John W. Sundelius

Date

12-17-2008