

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

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2. Grantee & Project Information

Project Name City Of Wisconsin Rapids Stormwater Program (Master Plan & Utility)	Grant Number USP-CW-08-71291-06
Governmental Unit Name Wisconsin Rapids	Governmental Unit Type (city, village, town, etc.) City
Watershed Name Wisconsin Rapids/Fourmile and Fivemile Creek	Watershed Code UW08-171/UW10-171
DNR Water Management Unit (River System) Name Central Wisconsin River Basin	Water Body Identification Code (WBIC) (if applicable)

s. 303(d) Waterbody? Yes No

What pollutant(s) were addressed by the project?

Total Suspended Solids

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

Location:		A	B	C	D	E
Minor Civil Division Name		City of Wisconsin Rapids	City of Wisconsin Rapids			
PLSS	Town	22	22			
	Range	5E	6E			
	Section	1,12,13,24	4,5,6,7,8,9,10,16,17,18,19,20,21,29,30,31,32			
	Quarter					
	Quarter-Quarter					
Latitude		44° 23' 14" N				
Longitude		89° 49' 57" W				
Property Owner(s)	Name	City of Wisconsin Rapids				
	Mailing address	444 W. Grand Avenue Wisconsin Rapids, WI 54495				
Site address						

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	24400	0.12 ?
	% TSS reduction	20	

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	378604	SLAMM Modeling
	% TSS reduction	28	SLAMM Modeling
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	9258	Count
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	9258	Count
Other (specify)			

B. Project Results Narrative

The purpose of this project was to develop a plan to reduce the amount of nonpoint source pollutants, in particular total suspended solids, discharged from the City of Wisconsin Rapids' MS4 to the Wisconsin River, and other waterways draining through the City, including Fourmile Creek and Fivemile Creek. Since this plan calls for TSS reduction to be achieved through the construction of water quality ponds, its implementation is also likely to reduce the amount of metals and nutrients discharged into area waterways.

Water quality modeling conducted for this project was done in WinSLAMM. Over 112 potential locations were identified, and 41 highest ranked locations were evaluated. The implementation of the most feasible combination of BMPs will achieve a 27.7% reduction in the City's regulated TSS load. Other deliverables/outcomes achieved through the planning process funded by this include:

- Stormwater Utility - Ordinance drafted and adopted; utility database created and implementation is anticipated later this year; utility will fund implementation of water quality practices and activities recommended by the plan.
- Ordinances - Illicit Discharge Ordinance and Erosion Control Ordinance drafted and adopted
- Pollution Prevention - Stormwater Pollution Prevention Plan Developed
- Illicit Discharge- Illicit discharge program and dry weather outfall screening data form developed
- Public Involvement - Facilitated four meetings with City stormwater stakeholder group.

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 Type	Issue Date	Notice Information		Notice Satisfaction Information		
		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 biggest challenge faced during the planning process was identifying sufficient locations for potential BMPs. The majority of the City is underlain by shallow bedrock, thereby requiring bedrock excavation in order to construct wet detention ponds in these locations. Furthermore, much of the City storm sewer is buried very deep underground, so that in order to discharge into to City storm sewer, excavation requires ten feet or more. Thus, many potential BMP locations identified by the the City and consultant proved to be very cost-ineffective due to the extreme amount of bedrock excavation required for a small amount of TSS removal in return. The slow economy also made the idea of a stormwater utility a difficult one to sell to City businesses.

6. Additional Information about the Project (optional)

The City will begin stormwater utility billing in 2008 in order to implement the upgraded street sweeping program, and construct water quality ponds recommended by the plan.

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 City of Wisconsin Rapids' Stormwater Master Plan	Date(s) effective June 26, 2008	Date Submitted to NPS Coordinator June 30, 2008
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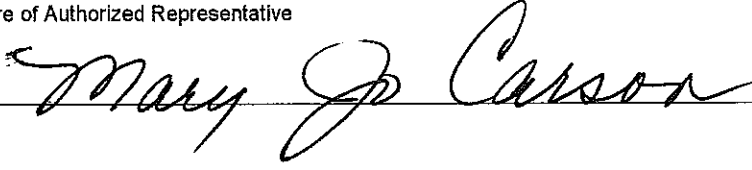
8. Grantee Certification:

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.

Mary Jo Carson

Signature of Authorized Representative



Date

8/22/08

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

Karen S. Voss

Signature of Regional Nonpoint Coordinator

Karen S. Voss

Date

4-22-09