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Letter Of Transmittal

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
 ATTN: GUS GLASER
 2984 SHAWANO AVENUE
 GREEN BAY, WI 54313

Date: APRIL 13, 2009
 Subject: UNPS & SW PLANNING GRANT
 VILLAGE OF ALLOUEZ, WISCONSIN
 FINAL REPORT
 McM No. A0012-970840

We Are Sending You
 The Following

Attached, Via: _____ Under Separate Cover Via: _____

- Shop Drawings Prints Plans Specifications
 Copy Of Letter Contract /Agreement Calculations Report
 Other: _____

Quantity	Date/No.	Description
3		VILLAGE OF ALLOUEZ'S UNPS & SW PLANNING GRANT FINAL REPORT (FORM 3400-189)

These Items Are Transmitted As Checked Below:


- For Distribution Reviewed Resubmit Copies / Review
 For Your Use Reviewed & Revised Submit Copies / Distribute
 As Requested Returned For Corrections Return Corrected Prints
 For Review & Comment Construction Examination & Approval Other: _____

Remarks:

Gus – Attached is the final report for the 2008 UNPS&SW Grant that the Village of Allouez obtained in 2007. Please process the attached final report. The Storm Water Management Plan was submitted on October 10, 2008. Please let us know if you have any questions. Thanks.

Copy To:
 CRAIG BERNDT, VILLAGE OF ALLOUEZ (1 COPY)
 NICK VANDEHEY, McMAHON

Signed:


 Brad D. Werner, P.E.
 Senior Project Engineer / Associate

If Enclosures Are Not As Noted, Kindly Notify Us At Once

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: 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 and Utility Development	Grant Number USP-LF01-05102-08
Governmental Unit Name Village of Allouez	Governmental Unit Type (city, village, town, etc.) Village
Watershed Name Fox River / East River	Watershed Code LF01-113
DNR Water Management Unit (River System) Name Lower Fox 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 (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		DePere				
PLSS	Town	23 N	23 N			
	Range	20 E	21 E			
	Section	1,11-15,22-24	6,7			
	Quarter		SW/W			
	Quarter-Quarter					
Latitude		44 deg. 28' 10" N	44 deg. 28' 41" N			
Longitude		88 deg. 1' 45" W	88 deg. 0' 21" 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

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)			
Developed Urban Areas	Units of Measure	Quantity	Measurement Method Used
Urban: 20-40% Reduction in TSS	Pounds TSS reduced	211104	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)			
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	2376	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	2376	Count
Other (specify)			

B. Project Results Narrative

The Village of Allouez 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 Village with the long-term guidance necessary to comply with NR 216 stormwater regulations, and improve water quality to receiving waterbodies. Additionally, the Village 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 Village of Allouez's Municipal Permit, the Village is required to achieve a 20% TSS reduction (105,552 lbs) by October 11, 2008 and a 40% TSS reduction (211,104 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 Village of Allouez is currently achieving a 25.2 % TSS reduction, or 133,078 lbs of TSS being removed on an annual basis. The 25.2% reduction is based on the Village of Allouez constructing three wet detention basins (Boyd, Macco, and Longview) between 2005 and 2007. In order for the Village of Allouez to comply with their Municipal permit, the Village needs to remove an additional 78,026 lbs by March 10, 2013. In accordance with WDNR, three alternatives were outlined for the Village to achieve 40% reductions. Two additional alternatives were also prepared based on projects proposed within the Village. 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 Villages ultimate plan.

The Village of Allouez completed the following items under the UNPS&SW Grant:

The Villages 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 Village 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

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	Notice Information			Notice Satisfaction Information		
	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 Village of Allouez	Date(s) effective 10/13/2008	Date Submitted to NPS Coordinator October 10, 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.

Craig L. Barndt, P.E. Director Public Works

Signature of Authorized Representative 	Date 4/10/09
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