

## Final Report

Targeted Runoff Management Grant Program and Urban Nonpoint  
Source and Storm Water Management Grant Program

Form 3400-189 (R 6/08)

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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>PERSHING STREET WATER QUALITY POND</b>	Grant Number <b>USC-LF04-44020-06A</b>
Governmental Unit Name <b>TOWN OF GRAND CHUTE</b>	Primary Watershed Name and Watershed Code <b>MUD CREEK (LF04)</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.)?

**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, Township, Village, etc.)		GRAND CHUTE				
PLSS	Town	21N				
	Range	17E				
	Section	21				
	Quarter	NE				
	Quarter-Quarter	SE & NE				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer, SWDV)		44° 16' 59.4" N				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)		88° 26' 12.6" W				
Property Owner(s)	Name	TOWN OF GRAND CHUTE				
	Mailing address	1900 GRAND CHUTE BLVD.				

Site address (Not mailing address)	Nordale Commerce-Industrial Park Lot 19 - Parcel # 102289000	Nordale Commerce-Industrial Park Lot 18 - Parcel # 102288900	Nordale Commerce-Industrial Park Lot 17 - Parcel # 102288800		
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### 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	0	
Manure Storage Facilities: New Construction/Alterations	Number of facilities	0	
	Number of animal units	0	
Manure Storage Facilities: Closure	Number of facilities	0	
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities	0	
	Number of animal units	0	
Clean Water Diversions in WQMA	Pollutant load reduction	0	
	Number of farms with diversions	0	
	Number animal units	0	
Nutrient Management on Agricultural Land	Acres planned	0	
Prohibition: Manure Storage Overflow	Number of facilities	0	
	Number of animal units	0	
Prohibition: Unconfined Manure Pile in WQMA	Number of farms	0	
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction	0	
	Number of facilities	0	
	Number of animal units	0	
Prohibition: Unlimited Livestock Access	Feet of bank protected	0	
	Number of farms	0	
Urban: 20-40% Reduction in Total Suspended Solids (TSS)	Pounds TSS reduced	12637	WinSLAMM
	% TSS reduction	93	WinSLAMM

**TABLE B. OTHER WATER RESOURCES MANAGEMENT PRIORITIES**

I. Agricultural Areas	Units of Measure	Quantity	Measurement Method Used
Buffers	Feet of bank protected	0	
	Number of farms	0	
Streambank	Tons of bank erosion reduced	0	
	Feet of bank protected	0	
Other (specify)			
II. Developed Urban Areas	Units of Measure	Quantity	Measurement Method Used
Urban: 20-40% Reduction in TSS	Pounds TSS reduced	12637	WinSLAMM
	% TSS reduction	93	WinSLAMM
Infiltration	% Pre-development stay-on volume	0	
	Cubic feet stay-on volume	0	
Peak flow discharge	Change in cubic feet per second	0	
Protective areas	Feet of bank protected	0	
Fueling & maintenance areas	Oily sheen presence	0	
Streambank	Tons of bank erosion reduced	0	
	Feet of bank protected	0	
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		
	Acres planned for		
Document/track progress made in implementing the	Municipalities planned for		

planning product (i.e., ordinance, utility district evaluation/formation, storm water management plan information & education, etc.)	Acres planned for		
Other (specify)			

**B. Project Results Narrative**

- 1.) A water quality pond was successfully constructed that will remove 12,637 lbs. (93%) of sediment, on an average annual basis, from the highly urbanized watershed.
- 2.) The modeling method used to calculate TSS removal was WinSLAMM. Soils data and land use data were created and GIS was used to extract the information needed for WinSLAMM. Parcel data was provided from the Town of Grand Chute in CAD format. Next a soils map of the drainage area was created from NRCS soils data. This data was reclassified into hydrologic soil groups. Once reclassified, the soils were overlaid with the land use data to produce the appropriate data needed for the WinSLAMM program.
- Currently no post-construction monitoring is being conducted.

**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**

- A.) Tracking of material on the roadway.
- B.) Disposal site roadway tracking.
- C.) Wetland changed significantly from late 1990s delineation.
- D.) Complicated design put forebay on one side of the stream and main pond on the other side with an outlet downstream.

**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

**Pershing Street Water Quality Pond**

**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.

Signature of Authorized Representative

Date