

Final Report Form 3400-189 (rev. 7/30/09)

- Targeted Runoff Management Grant Program (ch. NR 153)
- Notice of Discharge Program (ch. NR 153)
- Urban Nonpoint Source & Storm Water Management Grant Program (ch. NR 155)

NOTICE: This Final Report is authorized under ss. 281.65 and 281.66., Wis. Stats., and chs. NR 153 and NR 155, Wis. Admin. Code. Personally identified information collected will be used for program administration and may be made available to requesters as required under Wisconsin Open Records Law [ss. 19.31-19.39, Wis. Stats.].

INSTRUCTIONS: Your grant agreement requires you to submit a Final Report with your final reimbursement request. 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 as described in the instructions.

1. GRANT TYPE. Check the one that applies.

- | | |
|---|--|
| <input type="checkbox"/> Targeted Runoff Management Grant – Agricultural | <input type="checkbox"/> Targeted Runoff Management Grant – Urban |
| <input checked="" type="checkbox"/> Urban Nonpoint Source & Storm Water Management Grant – Construction | <input type="checkbox"/> Urban Nonpoint Source & Storm Water Management Grant – Planning |
| <input type="checkbox"/> Notice of Discharge Grant | |

2. PROJECT NAME & LOCATION.

2.1. Project Name: Dewey Street Pond Retrofit		2.2. Grant Number: USC-MA01-36251-12A	
2.3. Governmental Unit Name: City of Manitowoc		2.4. Primary Watershed Name: Seven Mile and Silver Creek	2.5. Watershed Code: MA01

NOTE FOR SECTION 2.6 (which follows):

Section 2.6. includes five (5) columns (A. through E.) for recording data about five (5) discrete site locations. If your grant has more than five (5) discrete project locations, attach additional columns for Section 2.6 as described in the instructions. If your project occurs in more than one 12-digit Hydrologic Unit Code (HUC), use the space in adjacent columns to record other HUC numbers.

2.6 Site Location(s) →	A.	B.	C.	D.	E.
Name of Cost-Share Recipient or Governmental Unit	City of Manitowoc				
Cost-Share Agreement Number (Agricultural only)					
12-Digit Hydrologic Unit Code(s) (HUC) Where Work Was Completed	040301010604				
Nearest Surface Receiving Water Affected					
Name:	Silver Creek				
Waterbody Identification Code(s) (WBIC):	67300				
Nearest Impaired Water Affected					
Name:	Silver Creek				
Waterbody Identification Code(s) (WBIC):	67300				
Pollutants Reduced	TSS, Nutrients and Heavy Metals				
Impairments/Impacts Addressed	TSS				

Final Report Form 3400-189 (rev. 7/30/09)

- Targeted Runoff Management Grant Program (ch. NR 153)
- Notice of Discharge Program (ch. NR 153)
- Urban Nonpoint Source & Storm Water Management Grant Program (ch. NR 155)

Project Location(s) (cont.) →	A.	B.	C.	D.	E.
Project Coordinates:					
Town	19N				
Range	23E				
Section	36				
Quarter	NW				
Quarter-Quarter	SE				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer (SWDV))	44 4' 27.8"				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)	87 41' 32.8"				

3. SUMMARY OF RESULTS.

Table A. Agricultural Projects. – Ch. NR 151 Performance Standards and Prohibitions and Other Water Resources Management Priorities

A.1. Management Measures	Units of Measure	Quantity	Measurement Method Used
Sheet, rill and wind erosion	Acres meeting "T"	acres	
Manure Storage Facilities: New Construction/Alterations	Number of facilities	facilities	
	Number of animal units	animal units	
Manure Storage Facilities: Closure	Number of facilities	facilities	
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities	facilities	
	Number of animal units	animal units	
Clean Water Diversions in WQMA	Pollutant load reduction	lbs.	
	Number of farms with diversions	farms	
	Number animal units	animal units	
Nutrient Management on Agricultural Land	Acres planned	acres	
Prohibition: Manure Storage Overflow	Number of farms	farms	
	Number of animal units	animal units	
Prohibition: Unconfined Manure Pile in WQMA	Number of farms	farms	
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction	lbs.	
	Number of facilities	facilities	
	Number of animal units	animal units	
Prohibition: Unlimited Livestock Access	Feet of bank protected	feet	
	Number of farms	farms	

- Targeted Runoff Management Grant Program (ch. NR 153)
- Notice of Discharge Program (ch. NR 153)
- Urban Nonpoint Source & Storm Water Management Grant Program (ch. NR 155)

Table A. Agricultural Projects. (continued)			
A.2. Other Management Measures	Units of Measure	Quantity	Measurement Method Used
Streambank & Shoreline Protection	Units (use feet, acres or number as applicable) Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable) Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable) Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable) Pollutant load reduction (if method available)		

Table B. Urban Construction Projects Serving Developed Areas.			
B.1. Required Management Measures	Units of Measure	Quantity	Measurement Method Used
20-40% Total Suspended Solids (TSS) Reduction for NR 216 communities	TSS reduced TSS reduction	36.38 tons/year lbs. 80.7 %	Winslamm & P8
B.2. Other Management Measures			
20-40% Reduction in TSS for non-NR 216 communities	TSS reduced TSS reduction	lbs. %	
Infiltration	Pre-development stay-on volume Stay-on volume	% ft ³ /year	
Peak flow discharge for 2 year/24 hour design storm	Change in cubic feet per second for design year	ft ³ /sec	
Protective areas	Bank protected	feet	
Fueling & maintenance areas	Oily sheen presence reduced	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Streambank & Shoreline Protection	Bank erosion reduced Bank protected	tons feet	
Other:	Pollutant load reduction (if method available) Units (use feet, acres or number as applicable)		

Table C. Urban Planning Projects.			
C.1. Governmental unit(s) involved (list by name): City of Manitowoc Wisconsin Department of Natural Resources			
C.2. Estimate total acres covered by the	Existing Developed Urban Areas	New Development	Total Acres

Final Report Form 3400-189 (rev. 7/30/09)

- Targeted Runoff Management Grant Program (ch. NR 153)
- Notice of Discharge Program (ch. NR 153)
- Urban Nonpoint Source & Storm Water Management Grant Program (ch. NR 155)

planning product:	225 acres	acres	acres
-------------------	-----------	-------	-------

C.3. Products developed (check all below that apply)	Identify Documents by Name (if applicable)
<input type="checkbox"/> Storm Water Plan	
<input type="checkbox"/> Construction or Erosion Ordinances	
<input type="checkbox"/> Post-construction Storm Water Ordinances	
<input type="checkbox"/> Other Types of Storm Water Quality Ordinances	
<input type="checkbox"/> Financing Methods: identified and evaluated	
<input type="checkbox"/> Financing Methods: developed or implemented	
<input type="checkbox"/> I & E Plan	
<input type="checkbox"/> I & E Implementation Activities	
<input checked="" type="checkbox"/> Other:	Design (Plans and Specs) and Construction of the Stormwater Quality Pond
C.4. Identify the Storm Water goals addressed (check all that apply)	
<input checked="" type="checkbox"/> Reduce TSS	Comments:
<input type="checkbox"/> Maintain infiltration	
<input checked="" type="checkbox"/> Control Peak Flow	
<input type="checkbox"/> Protective Areas	
<input type="checkbox"/> Control of Fueling & Maintenance Areas	
<input type="checkbox"/> Remove Illicit Discharges	
<input type="checkbox"/> Other:	

4. Satisfaction of Notice Requirements. If cost sharing for this project was offered under a formal notice pursuant to chs. NR 151 or 243, provide information for each notice in the table below.

Notice Information				Notice Satisfaction Information		
Chs. NR 151 or 243 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"/>	

- Targeted Runoff Management Grant Program (ch. NR 153)
- Notice of Discharge Program (ch. NR 153)
- Urban Nonpoint Source & Storm Water Management Grant Program (ch. NR 155)

5. Additional Information. (Space will expand to fit your text.)

On February 20th 2012 the Streets and Sanitation Committee recommended the adoption of a resolution to accept the grant funding under the 2012-2013 Urban Non-Point Source and Stormwater Management Construction Grant from the Wisconsin Department of Natural Resources pursuant Wis. Stats. 281.65 or 281.66, and Chapters NR 151, 153, and 155, of the Wisconsin Administrative Code, for the purpose of implementing measures to control nonpoint source water pollution.

6. Summary of Project Challenges. (Space will expand to fit your text.)

The City designed the Dewey Street Pond in 2011; however, modifications and additional analysis on the pond design was needed. The City contracted with MSA Professional services in June 2012. MSA has completed the analysis, design modifications and has prepared all plans and specs for bidding. The DNR approved the plans and specs on March 22, 2013. Bids came in on May 1, 2013. The bids were approved on May 10th by the Wisconsin Department of Natural Resources (DNR) and it was awarded to Peters Concrete Company in June. Construction started on June 24th. The pond excavation and sewer work was completed as of September 20th, 2013.

Large numbers of geese have been visiting the pond and eating much of the new grass as it grows. A local resident and his dogs have been utilized to scare the birds off the pond however much of the damage has already occurred and due to the time of the year the grass growth has been sparse. A heavy rain occurred on October 5th which washed out the E-mat on the bottom of the channel and some areas along the heavy rip rap. Rills also occurred on isolated areas of the back slope of the pond. We had Peters Concrete widen out the rip rap station 8+50 to 5+40 and place 6" stone about 8ft wide down the bottom of the channel station 5+40 to 1+60. They also E-mated all disturbed and rilled areas. Due to these erosion problems we have requested a grant extension until 12/31/2014. The grant amendment has been signed and returned to the DNR. A heavy spring rain on 4/12/2014 and 4/13/2014 has created some additional erosion. We continued to receive heavy rains that washed out some additional rip rap. Peters Concrete addressed this in early June by placing more rock. The side slopes finally dried out enough to reseed on June 27. The city hired LakeLand Landscaping Service to add topsoil as needed, work up all eroded areas and hydro seed. This work was completed on June 27th and 30th. On July 16th a walk through inspection with Erin Hanson (WDNR) and city staff.

7. Grantee Certification.

Checking here ☒ certifies that, to the best of your knowledge, the information contained in this report is correct.

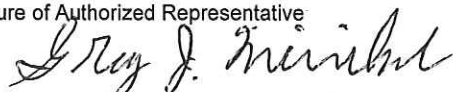
Name of Authorized Representative (type or print) ↓

Greg Minikel, P.E.

Title of Authorized Representative (type or print) ↓

Engineering Team Leader

Signature of Authorized Representative



Date

7/25/14

8. For Departmental Use Only.

Regional NPS Coordinator – Please complete the following:

8.A. Check here ☒ if you have received the following from the project sponsor:

- one (1) printed, signed, original Final Report + attachments
- one (1) electronic version of Final Report.

Send the printed, signed original Final Report with attachments + electronic version to the Community Financial Assistance Grants Manager. Community Financial Assistance will forward to Runoff Management Section Grants Coordinator.

Wisconsin Department of Natural Resources
Bureau of Watershed Management (WT/3)
101 S. Webster St.
Madison, WI 53703
PO Box 7921
Madison, WI 53707-7921

Final Report Form 3400-189 (rev. 7/30/09)

- Targeted Runoff Management Grant Program (ch. NR 153)
- Notice of Discharge Program (ch. NR 153)
- Urban Nonpoint Source & Storm Water Management Grant Program (ch. NR 155)

8.B. Comments about this project:

Silver Creek not on 303d list; project in HUC 12 with unnamed trib to Lake Michigan.
City addressed channel and pond slope erosion from heavy rains in Oct. 2013.

8.C. Type or print Name of Regional NPS Coordinator →

Erin E. Hanson

8.D. Signature of Regional NPS Coordinator

Erin E. Hanson

8.E. Date

8/1/14