

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: 2005 Beaver Creek Stormwater Treatment Devices Installation Project	2.2. Grant Number: USC-MI02-40107-05
2.3. Governmental Unit Name: Village of Brown Deer	2.4. Primary Watershed Name: Milwaukee River South
	2.5. Watershed Code: MI02-050

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	Village of Brown Deer	Village of Brown Deer	Village of Brown Deer	Village of Brown Deer	
Cost-Share Agreement Number (Agricultural only)	N/A	N/A	N/A	N/A	
12-Digit Hydrologic Unit Code(s) (HUC) Where Work Was Completed	040400030606	040400030606	040400030606	040400030606	
Nearest Surface Receiving Water Affected					
Name:	Beaver Creek	Beaver Creek	Beaver Creek	Beaver Creek	
Waterbody Identification Code(s) (WBIC):	20000	20000	20000	20000	
Nearest Impaired Water Affected					
Name:	Milwaukee River	Milwaukee River	Milwaukee River	Milwaukee River	
Waterbody Identification Code(s) (WBIC):	15000	15000	15000	15000	
Pollutants Reduced	TSS	TSS	TSS	TSS	
Impairments/Impacts Addressed	Urban Runoff	Urban Runoff	Urban Runoff	Urban Runoff	

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Project Location(s) (cont.) →	A.	B.	C.	D.	E.
Project Coordinates:					
Town	T08N	T08N	T08N	T08N	
Range	R21E	R21E	R21E	R21E	
Section	2	3	3	3	
Quarter	NE	SE	SE	SE	
Quarter-Quarter	SW	SE	SE	SE	
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer (SWDV))	43 10 56.5 N	43 10 47.9 N	43 10 48.9 N	43 10 48.2 N	
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)	87 58 44.5 W	87 59 4.3 W	87 59 4.2 W	87 59 11.1 W	

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	

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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	6114 lbs.	SLAMM
	TSS reduction	10 %	SLAMM
B.2. Other Management Measures			
20-40% Reduction in TSS for non-NR 216 communities	TSS reduced	lbs.	
	TSS reduction	%	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Visual
Streambank & Shoreline Protection	Bank erosion reduced	tons	
	Bank protected	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):			
C.2. Estimate total acres covered by the	Existing Developed Urban Areas	New Development	Total Acres

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

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planning product:	acres	acres	acres
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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 type="checkbox"/> Other:	
C.4. Identify the Storm Water goals addressed (check all that apply)	
<input type="checkbox"/> Reduce TSS	Comments:
<input type="checkbox"/> Maintain infiltration	
<input 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"/>	

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

In general, the project involved:

The installation of four (4) stormwater treatment devices (Baysaver Units) at the following locations:

- Structure #1: North 55th St. and South Side of Beaver Creek (5K unit)
- Structure #2: North 60th St. and South Side of Beaver Creek (5K unit)
- Structure #3: North 60th St. and North Side of Beaver Creek (10K unit)
- Structure #4: North edge of 6200 W. Brown Deer Rd. (behind Lowe's) and West Side of Beaver Creek (10K unit)

Four (4) Baysaver Units were installed at the locations listed above. The Baysaver Units were installed at existing storm sewer outfall locations to Beaver Creek. The total lbs of TSS produced in the drainage basins for all four (4) Baysaver Units is 59,623 lbs. The TSS after treatment in each of the Baysaver Units is 53,509 lbs, which equals a percent reduction in TSS of 10.25% as compared to no controls.

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

Project Challenges included fitting the large Baysaver structures (i.e. two (2) 10-ft diameter manholes) onto the existing storm sewer pipes. In most cases the units had to be placed in "tight" places. Careful consideration had to be given to existing utilities in the area. The work was also done in the winter months so that flow in the existing storm sewer pipes would be minimal

7. Grantee Certification.

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

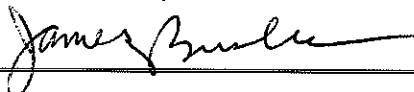
Name of Authorized Representative (type or print) ↓

Jim Buske

Title of Authorized Representative (type or print) ↓

Engineering & GIS Services Manager

Signature of Authorized Representative



Date

11/23/10

8. For Departmental Use Only.

Regional NPS Coordinator: Please complete the following:

B.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)
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Madison, WI 53703
PO Box 7921
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8.B. Comments about this project:	
8.C. Type or print Name of Regional NPS Coordinator →	
8.D. Signature of Regional NPS Coordinator	8.E. Date