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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.**

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

**2. Grantee & Project Information**

Project Name <b>Stony Creek/Mike Kruswick</b>	Grant Number <b>TRC-TK05-15000-04D</b>
Governmental Unit Name <b>Door County Soil and Water Conservation Department</b>	Primary Watershed Name and Watershed Code <b>Stony Creek/TK05</b>
Nearest Water Body Name	Nearest Water Body Identification Code (WBIC) (if applicable)
DNR Water Management Unit (River System) Name <b>Twin Door-Kewaunee</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.)?

**Bacteria, Nitrates, Phosphorus and Sediment**

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.)		<b>Town of Clay Banks</b>				
PLSS	Town	<b>26N</b>				
	Range	<b>26E</b>				
	Section	<b>18</b>				
	Quarter	<b>SW</b>				
	Quarter-Quarter	<b>SE</b>				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer, SWDV)		<b>44°, 43', 11"</b>				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)		<b>87°, 23', 12"</b>				
Property Owner(s)	Name	<b>Michael Kruswick</b>				
	Mailing address	<b>602 Fremont St Algoma WI 54201</b>				

Site address (Not mailing address)					
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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		
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**

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		
	% TSS reduction		
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		
	Acres planned for		
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		
	Acres planned for		

Other (specify)			
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**B. Project Results Narrative**

The Mike Kruswick Farm is located in the watershed of an unnamed tributary which outlets to Bear Creek, a waterbody within the Stony Creek Watershed. This is a custom heifer raising operation consisting of two freestall buildings that house 450 heifers.

Prior to construction there was no manure storage and manure was handled by cleaning the housing and hauling daily. Drainage from the operation drained to wetland areas west of the farm and fields that received spread manure drain to Bear Creek.

BMPs constructed at the site were a long term manure storage system with a push-off area to facilitate cleaning the freestall buildings. The constructed storage was built with a large ramp to allow for emptying without the need for a manure pump. A clean water diversion was installed to intercept clean water near the buildings and outlet it to the adjacent wetland area.

**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	
Local Regulation	2/1/06	Door County SWCD	Michael Kruswick	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1/16/07
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	

**5. Summary of Project Challenges**

This project was scheduled to be completed in the Fall of 2005; however the SWCD requested an extension on November 14th 2005 due to winter weather conditions and the low probability of proper installation. An amendment was granted by the DNR extending the grant period to July 1st 2006, provided a signed contract between the landowner and contractor(s) is provided to the DNR by March 15th, 2006 and construction be completed no later than July 1, 2006. A signed contract was received and forwarded to the DNR and construction commenced in the spring with no further delay.

**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

**8. Grantee Certification:**

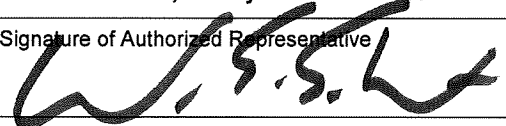
Checking here certifies that, to the best of your knowledge, the information contained in this report is correct and true.

Type or print Name and Title of Authorized Representative certifying here.

**William Schuster, County Conservationist**

Signature of Authorized Representative

Date



1/6/09

**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

Signature of Regional Nonpoint Coordinator

Date



Pre Construction – Feedlot Discharging to Wetland



Pre Construction – Manure from Freestall 2005 3 20



Construction of Long Term Manure Storage



Final Subgrade for Manure Storage





Concrete Placement for Manure Storage Floor



Construction of Manure Storage Ramp



Installation of Clean Water Diversion



Manure Storage in Use