

- 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 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
<input type="checkbox"/> Notice of Discharge Grant	

2. PROJECT NAME & LOCATION.

2.1. Project Name: San-Ric Dairy LLC (Previously San-Ric Holsteins)	2.2. Grant Number: TRC-LF01-05000-E09 A	
2.3. Governmental Unit Name: Brown County Land & Water Conservation Department	2.4. Primary Watershed Name: East River	2.5. Watershed Code: LF01

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	Brown County				
Cost-Share Agreement Number (Agricultural only)	TRM 002				
12-Digit Hydrologic Unit Code(s) (HUC) Where Work Was Completed	040302040301				
Nearest Surface Receiving Water Affected					
Name:	East River				
Waterbody Identification Code(s) (WBIC):	118000				
Nearest Impaired Water Affected					
Name:	East River				
Waterbody Identification Code(s) (WBIC):	118000				
Pollutants Reduced	Phosphorus & Sediment				
Impairments/Impacts Addressed	Phosphorus & Sediment				

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Project Location(s) (cont.) →	A.	B.	C.	D.	E.
Project Coordinates:					
Town	21N				
Range	20E				
Section	3				
Quarter	SE				
Quarter-Quarter	SE				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer (SWDV))	44 Degrees 18 Minutes 52 Seconds				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)	88 Degrees 3 Minutes 7 seconds				

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"	415 acres	SNAP Plus
Manure Storage Facilities: New Construction/Alterations	Number of facilities	1 facilities	NRCS 313 Standard
	Number of animal units	292 animal units	
Manure Storage Facilities: Closure	Number of facilities	1 facilities	NRCS 360 Standard
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	415 acres	NRCS 590 Standard/checklist
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	46.9 lbs.	BARNY Model
	Number of facilities	1 facilities	NRCS 561 Standard
	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: Milking Center Waste Control System	Units (use feet, acres or number as applicable)	1	NRCS 629 Standard
	Pollutant load reduction (if method available)	N/A	
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	lbs.	
	TSS reduction	%	
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 type="checkbox"/> Yes <input type="checkbox"/> No	
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):

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C.2. Estimate total acres covered by the planning product:	Existing Developed Urban Areas	New Development	Total Acres
	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 type="checkbox"/> Other:	
C.4. Identify the Storm Water goals addressed (check all that apply)	Comments:
<input type="checkbox"/> Reduce TSS	
<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.)

Additional funding for this project was provided through the NRCS/EQIP program. Practices cost-shared include; Barnyard Runoff Control & Milking Center Waste Control Systems, Manure Storage Facility New Construction, and Stream Crossing.
As a condition of the Animal Waste Storage Permit issued by Brown County LWCD, San-Ric Dairy is now required to submit an annual Nutrient Management Plan by June 1st of each year.
Photos ("San-Ric Dairy pictures 2009") with brief descriptions are attached for reference.

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

Project was complicated by wet weather in the fall and cold weather during final construction which required additional measures to protect the concrete from freezing.

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) ↓

Jon E. Bechle

Title of Authorized Representative (type or print) ↓

Program Manager

Signature of Authorized Representative

Date

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.

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

San-Ric Dairy 2009



Photo #: 1
Photo Depicts: Existing bamyard and milkhouse tank.

Direction Pointed: Eastward



Photo #: 2
Photo Depicts: Existing milkhouse tank

Direction Pointed: Eastward



Photo #: 3
Photo Depicts: Excavation for new tank to store barnyard runoff and milkhouse waste.

Direction Pointed: Eastward

San-Ric Dairy 2009



Photo #: 4
Photo Depicts: Existing barnyard runoff to filter box. Location for new tank.

Direction Pointed: Eastward



Photo #: 5
Photo Depicts: Existing pit and barnyard area

Direction Pointed: Northward



Photo #: 6
Photo Depicts: Existing Pit

Direction Pointed: Northward

San-Ric Dairy 2009



Photo #: 7
Photo Depicts: Existing concrete adjacent to pit.
Area to be modified.

Direction Pointed: Northward



Photo #: 8
Photo Depicts: Existing barnyard and scrape in
area to pit

Direction Pointed: Southward



Photo #: 9
Photo Depicts: Existing ground north of the
existing pit.

Direction Pointed: Eastward

San-Ric Dairy 2009



Photo #: 10
Photo Depicts: Existing pit in the background.
Direction Pointed: East



Photo #: 11
Photo Depicts: Existing pit and waterway.
Direction Pointed: North



Photo #: 12
Photo Depicts: Existing waterway to be rerouted.
Direction Pointed: North

San-Ric Dairy 2009



Photo #: 13
Photo Depicts: Existing waterway and pit.
Direction Pointed: Northward



Photo #: 14
Photo Depicts: Existing waterway to be rerouted.
Direction Pointed: Westward



Photo #: 15
Photo Depicts: Existing waterway to be rerouted.
Direction Pointed: Southward

San-Ric Dairy 2009



Photo #: 16

Photo Depicts: Existing waterway below existing pit.

Direction Pointed: Westward



Photo #: 17

Photo Depicts: Existing waterway to be rerouted.

Direction Pointed: Westward



Photo #: 18

Photo Depicts: Tank construction

Direction Pointed: Eastward

San-Ric Dairy 2009



Photo #: 19
Photo Depicts: Tank Construction & transfer outlet from milkhouse tank.

Direction Pointed: Westward



Photo #: 20
Photo Depicts: Tank construction

Direction Pointed: Northward



Photo #: 21
Photo Depicts: Tank construction & transfer inlet to new concrete storage facility.

Direction Pointed: Eastward

San-Ric Dairy 2009



Photo #: 22

Photo Depicts: Milkhouse transfer line to new tank.

Direction Pointed: Eastward



Photo #: 23

Photo Depicts: Tank construction

Direction Pointed: Northward



Photo #: 24

Photo Depicts: Framed steel sided building over new tank.

Direction Pointed: Southward

San-Ric Dairy 2009



Photo #: 25
Photo Depicts: Pit construction after abandonment of existing earthen storage facility.

Direction Pointed: Southward



Photo #: 26
Photo Depicts: Pit construction

Direction Pointed: Southward



Photo #: 27
Photo Depicts: Pit construction

Direction Pointed: Southward

San-Ric Dairy 2009



Photo #: 30
Photo Depicts: Pit construction
Direction Pointed: Eastward



Photo #: 31
Photo Depicts: Pit construction
Direction Pointed: Northward



Photo #: 32
Photo Depicts: Pit construction. Forming and placing steel for first pour.
Direction Pointed: Eastward

San-Ric Dairy 2009



Photo #: 33

Photo Depicts: Pit construction (transfer pipe outlets from piston pump in barn and from chopper pump in new tank).

Direction Pointed: Northward



Photo #: 34

Photo Depicts: Installation of keyway form and PVC waterstop, and also a factory welded Tee intersection.

Direction Pointed: Southward



Photo #: 35

Photo Depicts: Poured concrete section with sump.

Direction Pointed: North

San-Ric Dairy 2009



Photo #: 36
Photo Depicts: Concrete construction
Direction Pointed: Southward



Photo #: 37
Photo Depicts: Concrete construction
Direction Pointed: Westward



Photo #: 38
Photo Depicts: Pit construction
Direction Pointed: Northward

San-Ric Dairy 2009



Photo #: 39
Photo Depicts: Heavy use protection area and walls.

Direction Pointed: Northward



Photo #: 40
Photo Depicts: Pit construction

Direction Pointed: Northward



Photo #: 41
Photo Depicts: Pit completed

Direction Pointed: South

San-Ric Dairy 2009



Photo #: 42
Photo Depicts: Waterway and culverts

Direction Pointed: South



Photo #: 43
Photo Depicts: Waterway

Direction Pointed: North



Photo #: 44
Photo Depicts: Waterway

Direction Pointed: Westward

San-Ric Dairy 2009



Photo #: 45
Photo Depicts: Waterway & Culverts
Direction Pointed: Eastward



Photo #: 46
Photo Depicts: Waterway & Culverts
Direction Pointed: Westward