

2011 - CWF - Feedlot Grant

Submitted by: **Nobles SWCD**

Grant Fund Type: Feedlot CWF Projects

Fund Year: 2011

Total Grant Amount: **\$173,961.00** Amount Budgeted for this Workplan: **\$173,961.00** Amount Spent for this workplan: **173,961.00** Amount Not Spent on this workplan: **\$0.00**

BMP Detail Summary

Number of BMP's Installed	BMP Name	Shape Type	Linear Ft.	Total Acres	Total Mapped BMPs	Soil Loss Reduction Tons/Yr	Sediment Reduction Tons/Yr	Phosphorus Reduction Lbs/Yr
1	Waste Storage Facility - 313	BMP Point	0	0.00	1	0.00	0.00	0.00
Total # installed BMPs: 1						0.00	0.00	0.00 Lbs/Yr
Total # mapped BMPs: 1						Tons/Yr	Tons/Yr	

Initiative Name: **2011 CWF Feedlot Tech and Eng**

Initiative Name: **2011 CWF Feedlot Tech and Eng**

Initiative Type: Technical and Engineering

Year: 2011

Description

Southwest Prairie TSA will provide P.E. Services for the construction of facilities. \$17,909.80 or 10% of the total project costs will pay for TSA services. An additional \$1,533.20 will pay for additional SWCD Technical Assistance that corresponds to the project. Components of the project include installation of a vegetative treatment area (NRCS Practice Code 635), a concrete waste storage structure (Code 313) will be built for containing solid and liquid waste from the existing dairy facility. A critical area planting (Code 342) as well as fencing and subsurface drain will also be included in the project. The TSA will follow NRCS Specifications and have sign off authority for all practices

Actual Results

Completed installation of the concrete waste storage structure and vegetative treatment area (critical area planting) for feedlot waste. Subsurface drain and manure pump completed as part of the Concrete waste storage structure.

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Approved</u>	<u>Spent</u>	<u>First Spend Date</u>	<u>Last Spend Date</u>
1. 2011 - Feedlot Grant - CWF - Nobles (SWCD)	19,443.00	19,443.00	19,443.00	1/26/12	1/26/12
Totals:	19,443.00	19,443.00	19,443.00		

Initiative Name: **2011 CWF Feedlot Admin Coord.**

Initiative Name: **2011 CWF Feedlot Admin Coord.** Initiative Type: Admin/Coordination

Year: 2011

Description

Administration of the 2011 Feedlot grant will include all necessary landowner contact regarding paperwork and contracting. The Nobles SWCD Board will approve a formal contract with the landowner in regards to the practices and structures receiving state funding. A standard State Cost-Share Contract will be utilized for the project including expected lifespan and inspection requirements. and Operational and Maintenance Plan will be provided to the Landowner. All required reporting and fiscal management will be completed by the Nobles SWCD. A total of \$8,698 or 5% of the grant total will be used for Administration/Coordination of the Grant.

Actual Results

Project construction is completed. All aspects of project look good and all certifications are completed. Contract on file, all signatures and certifications complete. O&M plan provided to landowner by TSA Engineers, Grant Reporting Completed and unused funds are sent back.

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Approved</u>	<u>Spent</u>	<u>First Spend Date</u>	<u>Last Spend Date</u>
1. 2011 - Feedlot Grant - CWF - Nobles (SWCD)	8,698.05	8,698.05	8,698.05	7/19/12	7/19/12
Totals:	8,698.05	8,698.05	8,698.05		

BMP(s)

1. Waste Storage Facility-313

Mapped = Yes

POLLUTION REDUCTION ESTIMATE(s)

-MinnFARM

BOD 5 (lbs) (est. reduction)	866.00 Lbs/Yr
COD (lbs) (est. reduction)	3,895.00 Lbs/Yr
Fecal Coliform (cfu) (est. reduction)	1.81 Cfu/Yr
Nitrogen (est. reduction)	204.00 Lbs/Yr
Phosphorus Feedlot (est. reduction)	53.00 Lbs/Yr

Project Description

Installation of waste storage structure and vegetative treatment area for feedlot waste.

Actual Results

Completed installation of waste storage structure and vegetative treatment area for feedlot waste.

Comments

\$21,230.35 of costshare not needed due to lower than expected costs

\$7,077.11 of landowner share not needed due to lower than expected costs

FUND(s)

	<u>Budgeted</u>	<u>Approved</u>	<u>Spent</u>	<u>First Spend Date</u>	<u>Last Spend Date</u>
1. 2011 - Feedlot Grant - CWF - Landowner Match	41,529.89	41,529.89	41,529.89	1/26/12	1/26/12
2. 2011 - Feedlot Grant - CWF - Nobles (SWCD)	124,589.65	124,589.65	124,589.65	1/26/12	1/26/12
Totals:	166,119.54	166,119.54	166,119.54		

Initiative Name:

Returned Funds

Initiative Name: **Returned Funds**Initiative Type: Funds Returned to BWSRYear: 2011Description

2011 Feedlot Grant - CWF - Nobles SWCD

FUND(s)

	<u>Budgeted</u>	<u>Approved</u>	<u>Spent</u>	<u>First Spend Date</u>	<u>Last Spend Date</u>
1. 2011 - Feedlot Grant - CWF - Nobles (SWCD)	21,230.30	21,230.30	21,230.30	7/30/12	7/30/12
Totals:	21,230.30	21,230.30	21,230.30		

Program Specific Workplan Items

Needed TMDL Load Reduction (If Applicable): Reduction of e. coli to state standards for water quality.

Additional Pollution Reduction Information for projects with no MinnFARM Calcs (optional):

8 Digit HUC Code (81 Majors) 83.00

Water Plan Reference: Objective 1d.4 Provide Technical Assistnace for feedlot improvement, Objective 1d.5 Provide implementation funding throught EQIP and state cost-share

TMDL Reference (if applicable): Kanaranzi Creek is identified as impaired for e. coli on MPCA's 303(d) list. The Kanaranzi Creek Watershed is part of the Missouri River TMDL.

Project Description: Project will reduce pollution related to runoff. Feedlot within 10 feet of intermentant stream that discharges directly into the Kanaranzi Creek. Manure storage will allow additional storage that will greatly reduce winter manure application. Additional movement of existing lots and installation of grass buffers will reducece nutrient loading to the Kanaranzi Creek
