

Workplan / Grant Application / Project Summary Report

2010 Feedlot Fixes

Submitted by: **Dodge COUNTY**

Grant Fund Type: Feedlot CWF Projects

Fund Year: 2010

Total Grant Amount: **\$29,650.00** Amount Budgeted for this Workplan: **\$29,650.00** Amount Spent for this workplan: **24,917.46** Amount Not Spent on this workplan: **\$4,732.54**

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
4	Diversion - 362	BMP Line	800		4			
4	Fence - 382	BMP Line	2,462		4			
2	Grassed Waterway - 412	BMP Polygon		0.20	2			
2	Use Exclusion - 472	BMP Polygon		2.14	2			
1	Waste Storage Facility - 313	BMP Point			1			

Total # installed BMPs: 13

Tons/Yr

Tons/Yr

Lbs/Yr

Total # mapped BMPs: 13

Initiative Name: 2010 FWQMG Dodge County- Administration

<u>Initiative Name:</u>	2010 FWQMG Dodge County- Administration	<u>Initiative Type:</u>	Admin/Coordination
<u>Year:</u>	2010		
<u>Description</u>	This initiative involves administration of the 2010 FWQMG. Under the grant agreement, up to 5% of (\$1482.50) of the \$29,650.00 grant may be used for this initiative		
<u>Actual Results</u>			
<u>Comments</u>			

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Approved</u>	<u>Spent</u>	<u>First Spend Date</u>	<u>Last Spend Date</u>
1. 2010 - FWQMG - CWF - Dodge (COUNTY)	1,482.00	1,482.00	1,284.50	11/15/11	12/7/11
Totals:	1,482.00	1,482.00	1,284.50		

Initiative Name: 2010 FWQMG Dodge County - Technical/Engineering

<u>Initiative Name:</u>	2010 FWQMG Dodge County - Technical/Engineering	<u>Initiative Type:</u>	Technical and Engineering
<u>Year:</u>	2010		
<u>Description</u>	This initiative involves technical and engineering services provided by staff and SWCD, including field site visits, surveying, MNFarm evaluations and design work.		
<u>Actual Results</u>	SWCD and County staff visited all sites, conducted surveys where necessary, performed MNFarm evaluations on existing sites, designed fixes in accordance with those provided in the Land & Water Projects section and performed a MNFarm run which predicts "post-fix" pollutant reductions.		
<u>Comments</u>	The T & E work has been completed and the invoice has been paid.		

FUND(s)

	<u>Budgeted</u>	<u>Approved</u>	<u>Spent</u>	<u>First Spend Date</u>	<u>Last Spend Date</u>
1. 2010 - FWQMG - CWF - Dodge (COUNTY)	950.00	950.00	1,043.00	7/30/10	7/30/10
Totals:	950.00	950.00	1,043.00		

L&W Project Name: **CANCELLED**

BMP(s)

0.
None

POLLUTION REDUCTION ESTIMATE(s)

None

FUND(s)

None

L&W Project Name: **CANCELLED**

BMP(s)

0.
None

POLLUTION REDUCTION ESTIMATE(s)

None

FUND(s)

None

L&W Project Name: **CANCELLED**

BMP(s)

0.
None

POLLUTION REDUCTION ESTIMATE(s)

None

FUND(s)

None

L&W Project Name:

<u>BMP(s)</u>	
1. Grassed Waterway-412	Mapped = Yes
2. Diversion-362	Mapped = Yes
3. Fence-382	Mapped = Yes

<u>POLLUTION REDUCTION ESTIMATE(s)</u>	
-MinnFARM	
BOD 5 (lbs) (est. reduction)	85.00 Lbs/Yr
COD (lbs) (est. reduction)	381.00 Lbs/Yr
Fecal Coliform (cfu) (est. reduction)	Cfu/Yr
Nitrogen (est. reduction)	21.00 Lbs/Yr
Phosphorus Feedlot (est. reduction)	7.00 Lbs/Yr

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Approved</u>	<u>Spent</u>	<u>First Spend Date</u>	<u>Last Spend Date</u>
1. Dodge County BWSR FWQMG Landowner Match	5,140.00	5,140.00	3,666.15	12/7/11	12/7/11
2. 2010 - FWQMG - CWF - Dodge (COUNTY)	14,950.00	14,950.00	10,998.45	12/30/11	12/30/11
3. Dodge County SWCD In-Kind	1,050.00	1,050.00	1,050.00	12/7/11	12/7/11
Totals:	21,140.00	21,140.00	15,714.60		

L&W Project Name:

<u>BMP(s)</u>	
1. Diversion-362	Mapped = Yes
2. Fence-382	Mapped = Yes
3. Grassed Waterway-412	Mapped = Yes
4. Diversion-362	Mapped = Yes

<u>POLLUTION REDUCTION ESTIMATE(s)</u>	
-MinnFARM	
BOD 5 (lbs) (est. reduction)	412.00 Lbs/Yr
COD (lbs) (est. reduction)	1,852.00 Lbs/Yr
Fecal Coliform (cfu) (est. reduction)	Cfu/Yr
Nitrogen (est. reduction)	104.00 Lbs/Yr
Phosphorus Feedlot (est. reduction)	35.00 Lbs/Yr

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Approved</u>	<u>Spent</u>	<u>First Spend Date</u>	<u>Last Spend Date</u>
1. 2010 - FWQMG - CWF - Dodge (COUNTY)	0.00	0.00	0.00		
2. Dodge County BWSR FWQMG Landowner Match	0.00	0.00	0.00		
Totals:	0.00	0.00	0.00		

L&W Project Name:

<u>BMP(s)</u>	
1. Waste Storage Facility-313	Mapped = Yes

<u>POLLUTION REDUCTION ESTIMATE(s)</u>
None

FUND(s)

	<u>Budgeted</u>	<u>Approved</u>	<u>Spent</u>	<u>First Spend Date</u>	<u>Last Spend Date</u>
1. 2010 - FWQMG - CWF - Dodge (COUNTY)	7,350.00	7,350.00	7,350.00	11/7/11	11/7/11
2. Dodge County BWSR FWQMG Landowner Match	1,934.00	1,934.00	1,954.16	10/18/11	11/7/11
Totals:	9,284.00	9,284.00	9,304.16		

L&W Project Name:

BMP(s)

- | | |
|----------------------|---------------------|
| 1. Fence-382 | <i>Mapped = Yes</i> |
| 2. Use Exclusion-472 | <i>Mapped = Yes</i> |

POLLUTION REDUCTION ESTIMATE(s)

-MinnFARM

BOD 5 (lbs) (est. reduction)	468.00 Lbs/Yr
COD (lbs) (est. reduction)	2,090.00 Lbs/Yr
Fecal Coliform (cfu) (est. reduction)	1.96 Cfu/Yr
Nitrogen (est. reduction)	117.00 Lbs/Yr
Phosphorus Feedlot (est. reduction)	39.00 Lbs/Yr

FUND(s)

	<u>Budgeted</u>	<u>Approved</u>	<u>Spent</u>	<u>First Spend Date</u>	<u>Last Spend Date</u>
1. Dodge County BWSR FWQMG Landowner Match	750.00	750.00	969.00	9/26/11	11/7/11
2. 2010 - FWQMG - CWF - Dodge (COUNTY)	2,850.00	2,850.00	2,850.00	10/28/11	10/28/11
Totals:	3,600.00	3,600.00	3,819.00		

L&W Project Name:

BMP(s)

- | | |
|----------------------|---------------------|
| 1. Use Exclusion-472 | <i>Mapped = Yes</i> |
| 2. Diversion-362 | <i>Mapped = Yes</i> |
| 3. Fence-382 | <i>Mapped = Yes</i> |

POLLUTION REDUCTION ESTIMATE(s)

-MinnFARM

BOD 5 (lbs) (est. reduction)	109.00 Lbs/Yr
COD (lbs) (est. reduction)	354.00 Lbs/Yr
Fecal Coliform (cfu) (est. reduction)	2.28 Cfu/Yr
Nitrogen (est. reduction)	19.00 Lbs/Yr
Phosphorus Feedlot (est. reduction)	6.00 Lbs/Yr

FUND(s)

	<u>Budgeted</u>	<u>Approved</u>	<u>Spent</u>	<u>First Spend Date</u>	<u>Last Spend Date</u>
1. 2010 - FWQMG - CWF - Dodge (COUNTY)	2,068.00	2,068.00	1,391.51	12/30/11	12/30/11
2. Dodge County BWSR FWQMG Landowner Match	943.00	943.00	943.00	12/7/11	12/9/11
Totals:	3,011.00	3,011.00	2,334.51		

Program Specific Workplan Items

Needed TMDL Load Reduction (If Applicable): NA

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

Secondary benefits of this project include: Aesthetics, sediment

Success for this application will be measured by: Reduction in nitrogen and phosphorus and achieve a MNFarm rating which indicates compliance.

If the project addresses a TMDL, what portion of the required load reduction will this address?

What is the Total Maximum Daily Load for the pollutant you are addressing?

The pollutant causing the impairment is: Bacteria, turbidity

8 Digit HUC Code (81 Majors)

Estimated Reduction Pollutant #3

Pollutant #3

Estimated Reduction Pollutant #2 226 lbs

Pollutant #2 Phosphorus (lbs)

Estimated Reduction Pollutant #1 667 lbs

Pollutant #1 Nitrogen (lbs)

Water Plan Reference: Priority #2 of the Dodge County Water Management Plan is to address nutrients and chemical from animal feedlots flowing into rivers and streams.

TMDL Reference: Dodge County does not have one.

Watershed Name (81 Majors) Zumbro River

<i>Name of Water Resource targeted for activities:</i>	MFZR, SFZR, Salem Creek (SFZR)
<i>TMDL finalized and implementation plan approved?</i>	N
<i>Type of Feedlot Project:</i>	Open lot fix with diversions, fencing and vegetated treatment area, waterways, etc.
<i>Project Description:</i>	Fixes for 4 small open lot feedlots.



2010 - FWQMG - CWF - Dodge (COUNTY)

Fund Report

Dodge

Fund Information

<u>Fund Name</u>	<u>Fund Year</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
2010 - FWQMG - CWF - Dodge (COUNTY)	2010	\$29,650.00	\$29,650.00	12/30/2011
Starting Balance:		\$29,650.00		
Balance Remaining:		\$0.00		
Other funds used with this fund.				
Dodge County BWSR FWQMG Landowner Match	2010	\$8,767.00	\$7,532.31	12/09/2011
Dodge County SWCD In-Kind	2010	\$1,050.00	\$1,050.00	12/07/2011
	Subtotal:	\$9,817.00	\$8,582.31	
	Total:	\$39,467.00	\$38,232.31	

Initiatives Summary

Amount spent by initiative type.

2010 - FWQMG - CWF - Dodge (COUNTY)

	<u>Budgeted</u>	<u>Spent</u>
Admin/Coordination	\$1,482.00	\$1,284.50
Funds Returned to BWSR	\$0.00	\$4,732.54
Technical and Engineering	\$950.00	\$1,043.00
Total:	\$2,432.00	\$7,060.04

Land & Water Projects Summary

Amount spent on L&W Projects.

	<u>Budgeted</u>	<u>Spent</u>
Total:	\$27,218.00	\$22,589.96

BMP Summary

BMP Name	BMPs entered	BMPs installed*	Linear Ft.	Total Acres	Mapped BMPs
Diversion - 362	4	4	800		4
Fence - 382	4	4	2,462		4
Grassed Waterway - 412	2	2		0.20	2
Use Exclusion - 472	2	2		2.14	2
Waste Storage Facility - 313	1	1			1

Totals: 13 13 13

*Note: BMPs entered in eLINK are considered to be "installed on the ground" if an "actual completion date" has been entered for the project.

Indicator Summary

Total pollution reduction estimates for all projects by category.

	<u>Value</u>	<u>Unit</u>
-MinnFARM		
BOD 5 (lbs) (est. reduction)	1,074.00	Lbs/Yr
COD (lbs) (est. reduction)	4,677.00	Lbs/Yr
Fecal Coliform (cfu) (est. reduction)	4.24	Cfu/Yr
Nitrogen (est. reduction)	261.00	Lbs/Yr
Phosphorus Feedlot (est. reduction)	87.00	Lbs/Yr

Initiative: 2010 FWQMG Dodge County- Administration

Year: 2010

Start Date: 01/01/2010

Initiative Type: Admin/Coordination

Completion Date: 12/30/2011

Description

This initiative involves administration of the 2010 FWQMG. Under the grant agreement, up to 5% of (\$1482.50) of the \$29,650.00 grant may be used for this initiative

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2010 - FWQMG - CWF - Dodge (COUNTY)	1,482.00	1,284.50	12/7/11
Totals:	1,482.00	1,284.50	

Initiative: 2010 FWQMG Dodge County - Technical/Engineering

Year: 2010

Start Date: 01/01/2010

Initiative Type: Technical and Engineering

Completion Date: 06/30/2010

Description

This initiative involves technical and engineering services provided by staff and SWCD, including field site visits, surveying, MNFarm evaluations and design work.

Actual Results

SWCD and County staff visited all sites, conducted surveys where necessary, performed MNFarm evaluations on existing sites, designed fixes in accordance with those provided in the Land & Water Projects section and performed a MNFarm run which predicts "post-fix" pollutant reductions.

Comments

The T & E work has been completed and the Invoice has been paid.

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2010 - FWQMG - CWF - Dodge (COUNTY)	950.00	1,043.00	7/30/10
Totals:	950.00	1,043.00	

Initiative: 2010 Returned Funds

Year: 2010

Start Date:

Initiative Type: Funds Returned to BWSR

Completion Date:

Description

Comments

Dodge County did not use all 90% of the grant funds. The amount listed on the BWSR's Return of the State Grant funds is \$1767.54 which is 90%(\$26,685) - the amount spent (\$24,917.46). This amount was deducted on the 10% payment voucher submitted which includes both the SSTS Grant and Feedlot Grant information. The remaining 10% (\$2,9650.00) of the Feedlot Grant Funds can be cancelled.

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2010 - FWQMG - CWF - Dodge (COUNTY)	0.00	4,732.54	12/30/11
Totals:	0.00	4,732.54	

Project:

Project Number: FWQMG2010-34051

Primary Cooperator:

Primary Practice: Feedlot or Livestock Waste Management

Approval Date:

Start Date: 07/09/2010

Completion Date: 12/01/2011

Description

This project is a small feedlot fix on an open lot. Project involves one diversion (NRCS standard 362), a grassed waterway (NRCS standard 412), cattle exclusion fencing around buffer area (NRCS standard 382), and a vegetated treatment area (NRCS standard 635).

Comments

Combined with Winter Lot. All BWSR and Landowner Match Funds are listed here.

BMP(s)

- | | |
|-------------------------|--------------|
| 1. Grassed Waterway-412 | Mapped = Yes |
| 2. Diversion-362 | Mapped = Yes |
| 3. Fence-382 | Mapped = Yes |

POLLUTION REDUCTION ESTIMATE(s)

-MinnFARM	
BOD 5 (lbs) (est. reduction)	85.00 Lbs/Yr
COD (lbs) (est. reduction)	381.00 Lbs/Yr
Fecal Coliform (cfu) (est. reduction)	Cfu/Yr
Nitrogen (est. reduction)	21.00 Lbs/Yr
Phosphorus Feedlot (est. reduction)	7.00 Lbs/Yr

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. Dodge County BWSR FWQMG Landowner Match	5,140.00	3,666.15	12/7/11
2. 2010 - FWQMG - CWF - Dodge (COUNTY)	14,950.00	10,998.45	12/30/11
3. Dodge County SWCD In-Kind	1,050.00	1,050.00	12/7/11
Totals:	21,140.00	15,714.60	

Project:

Project Number: FWQMG2010-34052

Primary Cooperator:

Primary Practice:

Approval Date:

Start Date: 07/09/2010

Completion Date: 12/01/2011

Description

This is a small feedlot fix on an open lot. Project involves two diversions (NRCS standard 362), a grassed waterway (NRCS standard 412), and cattle exclusion fencing around the buffer area (NRCS standard 382)

Comments

All Financial Services including BWSR grant, Landowner Match (Local Cash), and SWCD in-kind is accounted for on the

North Lot site.

BMP(s)

- 1. Diversion-362 Mapped = Yes
- 2. Fence-382 Mapped = Yes
- 3. Grassed Waterway-412 Mapped = Yes
- 4. Diversion-362 Mapped = Yes

POLLUTION REDUCTION ESTIMATE(s)

-MinnFARM		
BOD 5 (lbs) (est. reduction)	412.00	Lbs/Yr
COD (lbs) (est. reduction)	1,852.00	Lbs/Yr
Fecal Coliform (cfu) (est. reduction)		Cfu/Yr
Nitrogen (est. reduction)	104.00	Lbs/Yr
Phosphorus Feedlot (est. reduction)	35.00	Lbs/Yr

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2010 - FWQMG - CWF - Dodge (COUNTY)	0.00	0.00	
2. Dodge County BWSR FWQMG Landowner Match	0.00	0.00	
Totals:	0.00	0.00	

Project:

Project Number: FWQMG2010-3054

Primary Cooperator:

Primary Practice: Feedlot or Livestock Waste Management

Approval Date: 8/1/2011

Start Date: 08/23/2011

Completion Date: 11/07/2011

Description

This project is a milkhouse waste fix which involves installation of a holding tank to collect approximately 120 gpd of milkhouse waste for land application with the dairy's manure.

Comments

This project was the result of funds being reallocated due to the cancellation of a previously approved feedlot project. BWSR approved the work plan amendment on August 1st, 2011. See attachments for Mary Kells e-mail dated 8/1/11.

BMP(s)

1. Waste Storage Facility-313

Mapped = Yes

POLLUTION REDUCTION ESTIMATE(s)

None

FUND(s)

- 1. 2010 - FWQMG - CWF - Dodge (COUNTY)
- 2. Dodge County BWSR FWQMG Landowner Match

<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
7,350.00	7,350.00	11/7/11
1,934.00	1,954.16	11/7/11
Totals:	9,304.16	

List of Attached Files (click to view)

- 1. 20110802080400392.pdf

Document Description

Date Added

9/16/11

Project:

Project Number: FWQMG2010-3275
Primary Cooperator:
Primary Practice: Feedlot or Livestock Waste Management

Approval Date: 9/15/2011
Start Date: 09/26/2011
Completion Date: 10/13/2011

Description

This is a fix on a small open lot feedlot.

Comments

This project is the result of a reallocation of funds from a previously cancelled project. Mary Kells has reviewed and approved this project on September 15th, 2011. See Attached e-mail.

BMP(s)

- 1. Fence-382 *Mapped = Yes*
- 2. Use Exclusion-472 *Mapped = Yes*

POLLUTION REDUCTION ESTIMATE(s)

<u>-MinnFARM</u>	
BOD 5 (lbs) (est. reduction)	468.00 Lbs/Yr
COD (lbs) (est. reduction)	2,090.00 Lbs/Yr
Fecal Coliform (cfu) (est. reduction)	1.96 Cfu/Yr
Nitrogen (est. reduction)	117.00 Lbs/Yr
Phosphorus Feedlot (est. reduction)	39.00 Lbs/Yr

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. Dodge County BWSR FWQMG Landowner Match	750.00	969.00	11/7/11
2. 2010 - FWQMG - CWF - Dodge (COUNTY)	2,850.00	2,850.00	10/28/11
Totals:	3,600.00	3,819.00	

Project:

Project Number: FWQMG2010-3034

Primary Cooperator:

Primary Practice: Feedlot or Livestock Waste Management

Approval Date: 9/23/2011

Start Date: 09/26/2011

Completion Date: 12/01/2011

Description

This is a small open lot fix involving a diversion, fencing and use exclusion.

BMP(s)

- 1. Use Exclusion-472 *Mapped = Yes*
- 2. Diversion-362 *Mapped = Yes*
- 3. Fence-382 *Mapped = Yes*

POLLUTION REDUCTION ESTIMATE(s)

-MinnFARM

BOD 5 (lbs) (est. reduction)	109.00 Lbs/Yr
COD (lbs) (est. reduction)	354.00 Lbs/Yr
Fecal Coliform (cfu) (est. reduction)	2.28 Cfu/Yr
Nitrogen (est. reduction)	19.00 Lbs/Yr
Phosphorus Feedlot (est. reduction)	6.00 Lbs/Yr

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2010 - FWQMG - CWF - Dodge (COUNTY)	2,068.00	1,391.51	12/30/11
2. Dodge County BWSR FWQMG Landowner Match	943.00	943.00	12/9/11
Totals:	3,011.00	2,334.51	

List of Attached Files (click to view)

1.

Document Description

Date Added

9/28/11

End of 2010 - FWQMG - CWF - Dodge (COUNTY) Section

This report can be found in the eLINK Report Manager under Report Type: *Fund Reports*, Reports: *All Details*