



Grant Workplan Projects and Practices 2015

Grant Title - Diamond Lake TMDL Implementation Projects

Grant ID - C15-4412

Organization - Middle Fork Crow River WD

Grant Awarded Amount	\$176,000.00	Grant Execution Date	
Required Match Amount	\$44,000.00	Grant End Date	12/31/2018
Required Match %	25%	Grant Day To Day Contact	Margaret Johnson

Budget Summary

	Budgeted	Spent	Balance Remaining
Total Grant Amount	\$176,000.00	\$0.00	\$176,000.00
Total Match Amount	\$59,434.00	\$0.00	\$59,434.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$235,434.00	\$0.00	\$235,434.00

**Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.*

Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
BMP Installation	Agricultural Practices	Landowner Fund	Landowner Fund	\$27,750.00			Y
BMP Installation - Agricultural	Agricultural Practices	Current State Grant	Diamond Lake TMDL Implementation Projects	\$27,500.00			N
BMP Installation - Waterway Protection/Enhancement	Agricultural Practices	Current State Grant	Diamond Lake TMDL Implementation Projects	\$28,500.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
BMP Installation - Wetland Resto	Wetland Restoration/Cr eation	Current State Grant	Diamond Lake TMDL Implementation Projects	\$55,000.00			N
Grant Administration	Administration /Coordination	Local Fund	MFCRWD - In-kind	\$7,500.00			Y
Mileage	Agricultural Practices	Local Fund	MFCRWD In-kind	\$2,184.00			Y
Project Development	Project Development	Current State Grant	Diamond Lake TMDL Implementation Projects	\$20,000.00			N
Project Development	Project Development	Local Fund	MFCRWD - In-kind	\$17,000.00			Y
Technical Assistance & Engineering	Technical/Engi neering Assistance	Current State Grant	Diamond Lake TMDL Implementation Projects	\$45,000.00			N
Technical Assistance & Engineering	Technical/Engi neering Assistance	Local Fund	MFCRWD - In-kind	\$5,000.00			Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Size / Unit
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Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
BMP Installation - Agricultural	PHOSPHORUS (EST. REDUCTION)	253 LBS/YR	Diamond Lake	Other	Surface Water Assessment Tool
BMP Installation - Buffer	PHOSPHORUS (EST.	253.88 LBS/YR	Diamond Lake	BWSR CALC	

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Strips	REDUCTION)			(FILTER STRIP)	
BMP Installation - Wetland Resto	PHOSPHORUS (EST. REDUCTION)	253 LBS/YR	Diamond Lake	Other	Surface Water Assessment Tool
BMP Installation - Wetland Resto	NUTRIENTS (NITRATE)	455 LBS/YR	Diamond Lake	Literature Value	Journal of Soil and Water Conservation - Article by CJ Woltemade
BMP Installation - Buffer Strips	SOIL (EST. SAVINGS)	34.27 TONS/YR	Diamond Lake	BWSR CALC (FILTER STRIP)	
BMP Installation - Buffer Strips	SEDIMENT (TSS)	173.85 TONS/YR	Diamond Lake	BWSR CALC (FILTER STRIP)	

Grant Activity

Grant Activity - BMP Installation

Description	The MFCRWD will require a 25% match by landowner for any BMPs installed.
Category	AGRICULTURAL PRACTICES
Rates and Hours	

Grant Activity - BMP Installation - Agricultural

Description	Agricultural BMPs have been allocated \$27,000 of grant funds for activities such as temporary storage, sediment control basins, and side inlets. These will be installed in priority areas and coordinated by MFCRWD staff with help of the Soil and Water Conservation District manager, West Central Technical Service Area, landowners, contractors, and a professional engineer/technical guide or designer. The District will require a 25% match by landowner for agricultural BMPs totaling roughly \$6,875. Cooperation between partners will ensure the correct installation and proper functioning of the BMPs. Temporary storage, sediment control basins, and side inlets will be installed in priority areas and coordinated by MFCRWD staff, Soil and Water Conservation District manager, West Central Technical Service Area, landowners, contractors, and a PE/technical guide or designer. The reduction of installed projects will be 253 pounds per year in Phosphorous.
Category	AGRICULTURAL PRACTICES
Rates and Hours	

Grant Activity - BMP Installation - Waterway Protection/Enhancement

Description	In addition to wetland restorations, the District has allotted \$28,500 of grant funds toward buffer strip installation and waterway protection/enhancement. Buffer strips and protection/enhancement projects will be installed in priority locations and coordinated by MFCRWD staff with guidance and/or approval from the Kandiyohi County Ditch Authority, landowners, contractors, and a professional engineer/technical guide or designer. MFCRWD plans to install projects using native vegetation as well as other effective conservation techniques. The District will require a 25% match by landowner for buffer strip installation and waterway protection/enhancement projects totaling roughly \$7,125.
Category	AGRICULTURAL PRACTICES
Rates and Hours	

Grant Activity - BMP Installation - Wetland Resto

Description	Activities under the BMP Installation Initiative include allotting roughly \$55,000 of grant funds toward wetland restorations. Following Kandiyohi County Wetland Conservation Act regulations, wetland restorations will be installed in priority locations and coordinated by MFCRWD staff with help of the Soil and Water Conservation District manager, contractors, professional engineers/technical guides or designers and landowners. The District will require 25% match by landowner for installation of these projects amounting to roughly \$13,750. Also, a 10 year contract of maintenance will be required for these landowners. The District aims to complete 5 wetland restorations to degraded, drained or farmed wetlands. Wetland restorations will be installed in priority locations and coordinated by MFCRWD staff, with the Kandiyohi County Wetland Conservation Act and Soil and Water Conservation District manager, landowners, contractors, and a PE/technical guide or designer. We are hoping for a reduction in Phosphorus by 253 pounds per year and 455 pounds per year in Nitrates.
Category	WETLAND RESTORATION/CREATION
Rates and Hours	

Grant Activity - Grant Administration

Description	Activities under the Grant Administration Initiative include \$7,500 dollars to be administered throughout the grant period for in-kind services of the District. Administration activities may include project reporting and budget updates.
Category	ADMINISTRATION/COORDINATION
Rates and Hours	

Grant Activity - Mileage

Description	The MFCRWD will contribute \$2,184 in-kind toward mileage expenses using the District truck for transportation needs.
Category	AGRICULTURAL PRACTICES
Rates and Hours	

Grant Activity - Project Development

Description	Activities under the Project Development Initiative include civic engagement, public outreach, initial contacts/actions/activities with landowners and/or partners, preliminary information gathering, etc. The MFCRWD has allocated \$20,000 of grant funds toward staff time which will include the development of all proposed outputs, including BMP development. Providing in-kind expenditures of \$5,000 toward outreach, \$1,680 toward mileage and an additional \$12,000 toward staff time, the MFCRWD will advance through several media avenues to provide sought after information of project purpose and successes.
Category	PROJECT DEVELOPMENT
Rates and Hours	

Grant Activity - Technical Assistance & Engineering

Description	Activities under the Technical Assistance and Engineering Initiative include allocating \$45,000 of grant funds toward district staff working with technical staff partners and the West Central Technical Service Area concerning project design and oversight. The MFCRWD has communicated with Wenck Associates prior to applying for this CWF grant to ensure project readiness and avoid delays in project implementation. All plans, designs, and installation for BMPs will be certified by WCTSA with credentials under the TAA system or by a Professional Engineer licensed in Minnesota. WCTSA will abide by the practice standards and specs of NRCS. The District looks to contribute \$5,056 in-kind for additional activities under the Technical Assistance and Engineering Initiative such as staff time and mileage.
Category	TECHNICAL/ENGINEERING ASSISTANCE
Rates and Hours	

Grant Attachments

Document Name	Document Type	Description
2015 Competitive Grant Application	Grant Agreement	2015 Competitive Grant - Middle Fork Crow River WD
Application Image	Workflow Generated	Workflow Generated - Application - 09/26/2014
	Grant	Diamond Lake TMDL Implementation Projects

Document Name	Document Type	Description
Budget Monitor	Grant	Diamond Lake TMDL Implementation Projects
grantmap_12674_2014-09-19_01-59-09-PM.jpg	Grant	Diamond Lake TMDL Implementation Projects