



Grant All-Detail Report

Wellhead Protection Partner Grant (Pilot) 2022

Grant Title - 2022 - Wellhead Protection Partner Grant (Pilot)-Rock County Rural Water West

Grant ID - P22-8161

Organization - Rock SWCD

Original Awarded Amount	\$1,189,848.00	Grant Execution Date	6/8/2022
Required Match Amount	\$118,984.80	Original Grant End Date	12/31/2023
Required Match %	10%	Grant Day To Day Contact	Mary Thompson
Current Awarded Amount	\$1,189,848.00	Current End Date	12/31/2023

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$1,189,848.00	\$0.00	\$1,189,848.00
Total Match Amount	\$128,476.63	\$0.00	\$128,476.63
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$1,318,324.63	\$0.00	\$1,318,324.63

*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
Admin/Coordination	Administration /Coordination	Local Fund	Local Match	\$300.00			Y
Landowner Match	Non-Structural Management Practices	Landowner Fund	Landowner Match	\$47,885.50			Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Nitrogen Reduction through Permanent Hay Production System	Non-Structural Management Practices	Current State Grant	2022 - Wellhead Protection Partner Grant (Pilot)-Rock County..	\$1,189,848.00			N
Rock County Rural Water & Rock SWCD In-Kind	Technical/Engineering Assistance	Local Fund	Local Match	\$37,191.80			Y
Rock Rural Water Cash Match	Non-Structural Management Practices	Local Fund	Local Match	\$33,099.33			Y
Rural Water Flow, Pumping & Draw Rate Analysis System	Supplies/Equipment	Local Fund	Local Match	\$10,000.00			Y

Activity Details Summary

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

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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Final Indicators Summary

Indicator Name	Total Value	Unit
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Grant Activity

Grant Activity - Admin/Coordination	
Description	Staff will obtain contract and payment signature with the landowner, obtain approval of contract and payment from the Rock SWCD Board and complete reporting.
Category	ADMINISTRATION/COORDINATION
Start Date	End Date
Has Rates and Hours?	Yes
Actual Results	

Grant Activity - Landowner Match	
Description	Landowner cost utilizing 2021 Iowa custom rates. Site prep, seeding, spraying, seed cost, herbicide and fungicide. 10% total match is comprised of landowner match, Rock County Rural Water cash match, Rock County Rural Water and Rock SWCD staff time.
Category	NON-STRUCTURAL MANAGEMENT PRACTICES
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Grant Activity - Nitrogen Reduction through Permanent Hay Production System

Description

Establish a 137.8 acre tract of land, adjacent to Rock County rural wells, in a managed haying system based on NRCS standard 512. This will be enrolled in a 30 year contract and recorded on the property deed.

137.8 acres x \$8634.60 (Clinton Twsp - RIM \$9,594.00 x 90%) \$1,189,848.00

(This is based on the values listed under a 30 year easement but utilizing the long-term contract option)

BOSCH PROPOSAL:

- 137.8 acre tract of land will be enrolled in a long term 30 year contract. Contract has been reviewed and approved by the MN State Attorney General and the Rock County Attorney.
- All of the parcels will be seeded into alfalfa/grass to support the hay production system.
- There will be an allowance to seed an approved alternative crop once every 4-5 years to allow for a needed crop rotation cessation to improve vegetative stand.
- The land would be managed under a haying management plan, developed with the assistance of NRCS, that would meet the NRCS Pasture & Hay Planting 512 Standard.
- No commercial nitrogen fertilizer will be applied to the tracts.
- The land use practices would be inspected annually and verified compliant with the NRCS standard 512 by Rock SWCD staff with job class approval. NRCS will assist with compliance verification.
- Should the landowners fail to maintain the practices detailed in the Conservation Plan and the Haying Management Plan during the 30-year contract, the landowners or future landowners, in the case of change in ownership, are liable to the District for the amount equal to 150% of the amount of money listed for this contract.

The contract and payment approvals will be made through board motions by the Rock SWCD Board of Supervisors. The payment approval will be contingent upon a completed haying management plan.

NRCS Standard 512 & map of the project are attached in ELINK.

Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

Grant Activity - Rock County Rural Water & Rock SWCD In-Kind

Description	<p>Rock County Rural Water and Rock SWCD will provide staff time.</p> <p>Deliverables - Conservation Plan development, Haying Plan development and legal fees for contract development. Annual nitrate monitoring monitoring and tracking, annual review of Haying Plan and vegetative cover, annual site visits and a 5 year plan review over first 5 years of the 30 year contract.</p>		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date		End Date	
Has Rates and Hours?	Yes		
Actual Results	<p>Rock SWCD and Rock County Rural Water staff met numerous times with the landowner to develop a conservation and haying plan that would help reduce nitrate infiltration into the draw zone for the Rock County Rural Water wells.</p> <p>Financial considerations were discussed and the consensus on the reimbursement was reached with the landowner. During the time that it took for the grant to be developed and finalized, land prices in the surrounding area increased dramatically. The landowner was not able to replace this ground within the prices per acre that the grant allowed. After multiple meetings the landowner decided not to enroll in this program.</p> <p>Rock SWCD staff also offered this program to other landowners within the draw zone of the Rock County Rural Water wells. Because the payment per acre the grant was able to offer was not high enough, they declined the offer also.</p>		

Grant Activity - Rock Rural Water Cash Match

Description	Rock County Rural Water will be providing cash match for this project. 10% total match is comprised of landowner match, Rock County Rural Water cash match, Rock County Rural Water and Rock SWCD staff time.		
Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

Grant Activity - Rural Water Flow, Pumping & Draw Rate Analysis System

Description	This is a sensor based system (\$10,000 of a total system cost of over \$150,000.00) that adjusts pumping quantities based on nitrogen in the water being pumped. It also provides real-time data for flow rates that along with nitrogen levels that will assist with analysis of the reduction of nitrates by the land use change.		
Category	SUPPLIES/EQUIPMENT		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

Grant Attachments

Document Name	Document Type	Description
2022 Wellhead Protection Partner Grant	Grant Agreement	2022 Wellhead Protection Partner Grant (Pilot) - Rock SWCD
2022 Wellhead Protection Partner Grant EXECUTED	Grant Agreement	2022 Wellhead Protection Partner Grant (Pilot) - Rock SWCD
NRCS Pasture and Haying Planting Standard 512	Grant	2022 - Wellhead Protection Partner Grant (Pilot)-Rock County Rural Water West
Wellhead Protection Map	Grant	2022 - Wellhead Protection Partner Grant (Pilot)-Rock County Rural Water West

Document Name	Document Type	Description
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 06/06/2022
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/03/2022