



Grant All-Detail Report

Septic Treatment Systems Upgrade - NRBG 2021

Grant Title - 2021 - Septic Treatment Systems Upgrade - NRBG (Todd County)

Grant ID - P21-3143

Organization - Todd County

Original Awarded Amount	\$29,008.00	Grant Execution Date	10/2/2020
Required Match Amount	\$0.00	Original Grant End Date	12/31/2022
Required Match %	0%	Grant Day To Day Contact	Sarah Katterhagen
Current Awarded Amount	\$29,008.00	Current End Date	12/31/2022

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$29,008.00	\$29,008.00	\$0.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$19,470.29	\$16,580.75	\$2,889.54
Total	\$48,478.29	\$45,588.75	\$2,889.54

**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
Cost Share Septic Replacement #1	Subsurface Sewage Treatment Systems	Current State Grant	2021 - Septic Treatment Systems Upgrade - NRBG (Todd County)..	\$1,829.25	\$1,829.25	6/14/2022	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Cost Share Septic Replacement #1	Subsurface Sewage Treatment Systems	Other Funds	2022 - BWSR Septic Treatment Systems (Todd County)	\$5,000.00	\$5,000.00	6/20/2022	N
Cost Share Septic Replacement #1	Subsurface Sewage Treatment Systems	Other Funds	2022 - Septic Treatment Systems Upgrade - NRBG (Todd County)..	\$7,421.00	\$7,421.00	6/20/2022	N
Cost Share Septic Replacement #1	Subsurface Sewage Treatment Systems	Other Funds	Landowner	\$4,159.75	\$4,159.75	6/20/2022	Y
Cost Share Septic Replacements	Subsurface Sewage Treatment Systems	Other Funds	2022 - BWSR Septic Treatment Systems (Todd County)	\$2,889.54			N
Septic Upgrades	Subsurface Sewage Treatment Systems	Current State Grant	2021 - Septic Treatment Systems Upgrade - NRBG (Todd County)..	\$27,178.75	\$27,178.75	10/18/2021	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	5	4	1 COUNT	1 COUNT

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
NITROGEN	65.00	LBS/YR
NUTRIENTS (NITRATE)	15.00	LBS/YR
SEDIMENT (TSS)	50.00	TONS/YR
PATHOGENS (E. COLI)	207,900,000,000,000.00	CFU
PHOSPHORUS (EST. REDUCTION)	27.00	LBS/YR
BOD 5	608.00	LBS/YR
Total Suspended Solids (TSS)	287.00	Mg/L

Grant Activity

Grant Activity - Cost Share Septic Replacement #1

Description	Replaced failed system		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date		End Date	20-Jun-22
Has Rates and Hours?	No		
Actual Results	Replaced Failed System		

Activity Action - Cost Share Replacement #1

Practice	126M - Septic System Improvement	Count of Activities	1
Description			
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	20-Jun-22
Mapped Activities	No	Technical Assistance Provider	Other

Final Indicator for Cost Share Replacement #1

Indicator Name	PATHOGENS (E. COLI)	Value	6.16E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)

Waterbody	Sauk River		
Final Indicator for Cost Share Replacement #1			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Sauk River		
Final Indicator for Cost Share Replacement #1			
Indicator Name	NITROGEN	Value	23
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Sauk River		
Final Indicator for Cost Share Replacement #1			
Indicator Name	Total Suspended Solids (TSS)	Value	100
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Sauk River		
Final Indicator for Cost Share Replacement #1			
Indicator Name	BOD 5	Value	180
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Sauk River		

Grant Activity - Septic Upgrades			
Description	Funds will be used to replace failing septic systems in Todd County. Landowner's must apply and meet the low income requirements that are set.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	2-Oct-20	End Date	20-Jun-22
Has Rates and Hours?	No		
Actual Results	<p>12/31/2020-No funds have been spent</p> <p>12/31/2021- 4 replacement septic systems were installed in 2021. The remaining balance of \$1,829.25 will be spent in 2022 on a septic replacement project.</p> <p>9/16/2022- All funds have been spent utilizing FY2021 Septic Cost Share funds. Funds were used to help five different landowners.</p>		

Activity Action - Wolbeck Septic Replacement			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Replaced failed system.		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	1.00 COUNT	Installed Date	30-Aug-21
Mapped Activities	1 Point(s)	Technical Assistance Provider	Other

Final Indicator for Wolbeck Septic Replacement

Indicator Name	BOD 5	Value	90
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Big Swan Lake		

Final Indicator for Wolbeck Septic Replacement

Indicator Name	SEDIMENT (TSS)	Value	50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Big Swan Lake		

Final Indicator for Wolbeck Septic Replacement

Indicator Name	PATHOGENS (E. COLI)	Value	3.08E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Big Swan Lake		

Final Indicator for Wolbeck Septic Replacement

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	4
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Big Swan Lake		

Final Indicator for Wolbeck Septic Replacement

Indicator Name	NITROGEN	Value	8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Big Swan Lake		

Activity Action - Harvey Septic Replacement			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Installation of one mound septic system to replace failing system.		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	1.00 COUNT	Installed Date	1-Oct-21
Mapped Activities	1 Point(s)	Technical Assistance Provider	Other

Final Indicator for Harvey Septic Replacement

Indicator Name	BOD 5	Value	68
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Lake Osakis		

Final Indicator for Harvey Septic Replacement

Indicator Name	Total Suspended Solids (TSS)	Value	37
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Lake Osakis		

Final Indicator for Harvey Septic Replacement

Indicator Name	PATHOGENS (E. COLI)	Value	2.31E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Lake Osakis		

Final Indicator for Harvey Septic Replacement

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Lake Osakis		

Final Indicator for Harvey Septic Replacement

Indicator Name	NUTRIENTS (NITRATE)	Value	15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Lake Osakis		

Activity Action - Niemeyer Septic Replacement			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Installation of one pressure bed septic system to replace a failing system.		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	1.00 COUNT	Installed Date	7-Oct-21
Mapped Activities	1 Point(s)	Technical Assistance Provider	Other

Final Indicator for Niemeyer Septic Replacement			
Indicator Name	Total Suspended Solids (TSS)	Value	75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie River		
Final Indicator for Niemeyer Septic Replacement			
Indicator Name	PATHOGENS (E. COLI)	Value	4.62E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie River		
Final Indicator for Niemeyer Septic Replacement			
Indicator Name	NITROGEN	Value	17
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie River		
Final Indicator for Niemeyer Septic Replacement			
Indicator Name	BOD 5	Value	135
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie River		
Final Indicator for Niemeyer Septic Replacement			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie River		

Activity Action - Meyer Septic Replacement			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Installation of one mound septic system.		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	1.00 COUNT	Installed Date	28-Sep-21
Mapped Activities	1 Point(s)	Technical Assistance Provider	Other

Final Indicator for Meyer Septic Replacement			
Indicator Name	PATHOGENS (E. COLI)	Value	4.62E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Hayden Creek		
Final Indicator for Meyer Septic Replacement			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Hayden Creek		
Final Indicator for Meyer Septic Replacement			
Indicator Name	NITROGEN	Value	17
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Hayden Creek		
Final Indicator for Meyer Septic Replacement			
Indicator Name	BOD 5	Value	135
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Hayden Creek		
Final Indicator for Meyer Septic Replacement			
Indicator Name	Total Suspended Solids (TSS)	Value	75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Hayden Creek		

Grant Attachments

Document Name	Document Type	Description
2021 SSTS Program	Grant Agreement	2021 SSTS Program - Todd County
2021 SSTS Program EXECUTED	Grant Agreement	2021 SSTS Program - Todd County
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 09/19/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/04/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/07/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/03/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 09/16/2022
Final Financial Report	Grant	2021 - Septic Treatment Systems Upgrade - NRBG (Todd County)