



Grant All-Detail Report

Septic Treatment Systems Upgrade - NRBG 2019

Grant Title - 2019 - Septic Treatment Systems Upgrade - NRBG (Todd County)

Grant ID - P19-3246

Organization - Todd County

Original Awarded Amount	\$32,746.00	Grant Execution Date	9/11/2018
Required Match Amount	\$0.00	Original Grant End Date	12/31/2020
Required Match %	0%	Grant Day To Day Contact	Sarah Katterhagen
Current Awarded Amount	\$32,746.00	Current End Date	12/31/2020

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$32,746.00	\$32,746.00	\$0.00
Total Match Amount	\$14,932.00	\$14,932.00	\$0.00
Total Other Funds	\$9,350.06	\$9,350.06	\$0.00
Total	\$57,028.06	\$57,028.06	\$0.00

**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
Administration and Technical Assistance	Administration /Coordination	Current State Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Todd County)..	\$1,637.00	\$1,637.00	12/31/2019	N
Anderson Septic Upgrade	Subsurface Sewage Treatment Systems	Current State Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Todd County)..	\$987.00	\$987.00	11/2/2020	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Anderson Septic Upgrade	Subsurface Sewage Treatment Systems	Other Funds	City of Long Prairie DWSMA Septic Cost Share	\$4,012.00	\$4,012.00	11/2/2020	N
Patnode Septic Install	Subsurface Sewage Treatment Systems	Current State Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Todd County)..	\$5,939.00	\$5,939.00	10/12/2020	N
Patnode Septic Install	Subsurface Sewage Treatment Systems	Other Funds	2020 - Septic Treatment Systems Upgrade - NRBG (Todd County)..	\$5,338.06	\$5,338.06	10/12/2020	N
Septic Cost Share	Subsurface Sewage Treatment Systems	Current State Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Todd County)..	\$24,183.00	\$24,183.00	11/30/2020	N
Septic Cost Share	Subsurface Sewage Treatment Systems	Landowner Fund	Landowner Fund	\$14,932.00	\$14,932.00	11/30/2020	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	7	7	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
BOD 5	1,015.00	LBS/YR
PATHOGENS (E. COLI)	346,500,000,000,000.00	CFU
SEDIMENT (TSS)	137.00	TONS/YR
Total Suspended Solids (TSS)	424.00	Mg/L
NITROGEN	100.00	LBS/YR
NUTRIENTS (NITRATE)	29.00	LBS/YR
PHOSPHORUS (EST. REDUCTION)	52.00	LBS/YR

Grant Activity

Grant Activity - Administration and Technical Assistance

Description	Staff time providing grant oversight, reviewing cost share contracts and reporting.		
Category	ADMINISTRATION/COORDINATION		
Start Date	11-Sep-18	End Date	31-Dec-19
Has Rates and Hours?	No		
Actual Results	Report #1: 12.31.18- No funds have been spent		
	Report #2: 12.31.19- Staff time reviewing applications for cost share, putting together contracts and grant reporting.		

Grant Activity - Anderson Septic Upgrade

Description	Replace a failing septic system.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	21-Oct-20	End Date	02-Nov-20
Has Rates and Hours?	No		
Actual Results	Installed new septic system. Previous septic system did not meet today's standards.		
	This project utilized both Long Prairie Abatement funds and the MPCA Septic Upgrade funds.		

Activity Action - Anderson Septic Upgrade			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Installation of one new mound system		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	1.00 COUNT	Installed Date	21-Oct-20
Mapped Activities	1 Point(s)	Technical Assistance Provider	Other

Final Indicator for Anderson Septic Upgrade

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

Final Indicator for Anderson Septic Upgrade

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	Long Prarie River		

Final Indicator for Anderson Septic Upgrade

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	Long Prairie River		

Final Indicator for Anderson Septic Upgrade

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie		

Final Indicator for Anderson Septic Upgrade

Indicator Name	NITROGEN	Value	15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie River		

Grant Activity - Patnode Septic Install			
Description	Installation of 1 septic system to replace an existing system that does not meet current standards.		
Category	Used 2019 and 2020 funding SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	4-Sep-20	End Date	04-Sep-20
Has Rates and Hours?	No		
Actual Results	Replaced failed septic system		

Activity Action - Patnode Septic Install			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Replaced failed septic system		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	4-Sep-20
Mapped Activities	1 Point(s)	Technical Assistance Provider	Other

Final Indicator for Patnode Septic Install			
Indicator Name	BOD 5	Value	180
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Eagle Creek		

Final Indicator for Patnode Septic Install			
Indicator Name	SEDIMENT (TSS)	Value	100
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Eagle Creek		

Final Indicator for Patnode Septic Install			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Eagle Creek		

Final Indicator for Patnode Septic Install			
Indicator Name	NUTRIENTS (NITRATE)	Value	23

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Eagle Creek		
Final Indicator for Patnode Septic Install			
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	Eagle Creek		

Grant Activity - Septic Cost Share			
Description	Provide cost share to landowner's that meet income requirements.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Nov-19	End Date	30-Nov-20
Has Rates and Hours?	No		
Actual Results	<p>Report #1: 12.31.18- No funds have been spent</p> <p>Report #2: 12.31.19- One septic system was installed utilizing the funds. The rest of funds have been assigned to contracts. Landowners were unable to get systems installed due to wet summer and fall. Their intent is to install septic system next summer.</p> <p>12/21/2020 - Grant funds have been utilized for additional septic upgrades. All funds have been utilized.</p>		

Activity Action - Stumpf Septic Install			
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	27-Sep-19
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Stumpf Septic Install			
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	Mississippi-Sartell		
Final Indicator for Stumpf Septic Install			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Mississippi-Sartell		
Final Indicator for Stumpf Septic Install			
Indicator Name	NITROGEN	Value	23
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Mississippi-Sartell		
Final Indicator for Stumpf Septic Install			
Indicator Name	BOD 5	Value	180
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Mississippi-Sartell		
Final Indicator for Stumpf Septic Install			
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	Mississippi-Sartell		

Activity Action - Johnson Septic Install			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Updated failing septic system		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	20-May-20
Mapped Activities	1 Point(s)	Technical Assistance Provider	Other

Final Indicator for Johnson Septic Install			
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	Mound Lake		

Final Indicator for Johnson Septic Install			
Indicator Name	SEDIMENT (TSS)	Value	37
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Mound Lake		
Final Indicator for Johnson Septic Install			
Indicator Name	BOD 5	Value	68
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Mound Lake		
Final Indicator for Johnson Septic Install			
Indicator Name	NUTRIENTS (NITRATE)	Value	6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Mound Lake		
Final Indicator for Johnson Septic Install			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Mound Lake		

Activity Action - Patnode Septic Install			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Replaced failed septic system		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	4-Sep-20
Mapped Activities	1 Point(s)	Technical Assistance Provider	Other

Final Indicator for Patnode Septic Install			
Indicator Name	BOD 5	Value	180
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Eagle Crerek		
Final Indicator for Patnode Septic Install			
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	Eagle Creek		
Final Indicator for Patnode Septic Install			
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	Eagle Creek		
Final Indicator for Patnode Septic Install			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Eagle Creek		
Final Indicator for Patnode Septic Install			
Indicator Name	NITROGEN	Value	23
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Eagle Creek		

Activity Action - Bruder Septic Install			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Replaced failed septic system		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	9-Oct-20
Mapped Activities	1 Point(s)	Technical Assistance Provider	Other

Final Indicator for Bruder Septic Install			
Indicator Name	BOD 5	Value	113
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie River		
Final Indicator for Bruder Septic Install			
Indicator Name	Total Suspended Solids (TSS)	Value	62
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)

Waterbody	Long Prairie River		
Final Indicator for Bruder Septic Install			
Indicator Name	PATHOGENS (E. COLI)	Value	3.85E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie River		
Final Indicator for Bruder Septic Install			
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		
Final Indicator for Bruder Septic Install			
Indicator Name	NITROGEN	Value	10
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie River		

Activity Action - Host Septic Install			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Replaced failed septic system		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	3-Nov-20
Mapped Activities	1 Point(s)	Technical Assistance Provider	Other

Final Indicator for Host Septic Install			
Indicator Name	BOD 5	Value	226
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie River		
Final Indicator for Host Septic Install			
Indicator Name	Total Suspended Solids (TSS)	Value	125
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie River		

Final Indicator for Host Septic Install			
Indicator Name	PATHOGENS (E. COLI)	Value	7.70E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie River		
Final Indicator for Host Septic Install			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie River		
Final Indicator for Host Septic Install			
Indicator Name	NITROGEN	Value	29
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Long Prairie River		

Grant Attachments

Document Name	Document Type	Description
2019 SSTS Program Grant	Grant Agreement	2019 SSTS Program - Todd County
2019 SSTS Program Grant EXECUTED	Grant Agreement	2019 SSTS Program - Todd County
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/02/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/11/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/10/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/18/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/10/2019
Final Financial Report	Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Todd County)